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Fantastic Extrapolations:

An Exploratory Bibliometric Investigation into the Historic Development of

English-Language Fantasy and Science Fiction Scholarship

Through Fifty Years of *Extrapolation*

A dissertation submitted in partial satisfaction of the

Requirements for the degree Doctor of Philosophy

In Information Studies

by

Leslie Kay Swigart

2020

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2020

ABSTRACT OF THE DISSERTATION

Fantastic Extrapolations:

An Exploratory Bibliometric Investigation into the Historic Development of
English-Language Fantasy and Science Fiction Scholarship
Through Fifty Years of *Extrapolation*

by

Leslie Kay Swigart

Doctor of Philosophy in Information Studies

University of California, Los Angeles, 2020

Professor Jonathan Furner, Chair

There are relatively few bibliometric or citation analysis historical studies of the scholarly literature of arts or humanities fields as compared with the science, technical, medical, or social science disciplines; many studies focus on the journal literature and use the formal works cited reference lists as captured by citation indexes as the basis for their conclusions. This study looks at aspects of the scholarship of the literary and media-based popular culture field of fantasy and science fiction (F&SF; aka: fantastic, fantastika) studies through the first 50 years of *Extrapolation* (December 1959-Fall 2009), the oldest continuing scholarly journal in the field, in three areas:

-- History and editorial purpose, types of contributions, and recognition by general-, literature-, and F&SF-focused indexing services;

-- Analyses of the 785 scholars published in the journal, by gender, co-authorship, affiliation and status (geographical, institutional, ranks, disciplines, awards), their referencing practices, and identification of the 55 most frequently published scholars; and,

-- Analyses of more than 15,000 references given to 2,035 primary (creative) authors and more than 8,000 individual creative works, including collaboratively authored media, religious, and other titles, by gender and national affiliation, and by types of works. publication sources, language, and ages/dates, as found in 937 articles by 656 different authors. The primary references analyzed come not only from the traditional bibliometric locations in Works Cited lists, but also from Notes, and the references found in the rarely if ever studied informal locations (implicit citations), primarily within the text of the articles. The most frequently referenced primary authors and works are identified: 118 authors (20-563 references), beginning with Ursula K. Le Guin (563 references; 105 different works), Robert A. Heinlein (519; 90), and H. G. Wells (328; 52); 182 primary (creative) works (10-191 references), starting with *Star Trek: The Original Series* (191 references), *Star Trek: The Next Generation* (106), George Orwell's *Nineteen Eighty-Four* (77), Wells' *The Time Machine* (73), and Mary Shelley's *Frankenstein* (71).

This study should interest historians of arts and humanities scholarship, F&SF scholars, and librarians and archivists responsible for collection development and collections management in the areas of literature and media.

The dissertation of Leslie Kay Swigart is approved.

Gregory Benford

Gregory Leazer

Mary Niles Maack

Jonathan Furner, Committee Chair

University of California, Los Angeles

2020

DEDICATION

To

Ivan B. Lee

Spouse-person extraordinaire

H-s T B-c & ESC

TABLE OF CONTENTS

ABSTRACT OF THE DISSERTATION	ii
COMMITTEE PAGE	iv
DEDICATION	v
TABLE OF CONTENTS	vi
LIST OF TABLES	xv
ACKNOWLEDGEMENTS	xxi
VITA	xxv
1. ONCE UPON A TIME . . . : AN INTRODUCTION	1
1.1. There once was a . . . : Scholars, What They Study, and Their Information Needs.	2
1.1.1. Who?: Fantasy & Science Fiction and Other Popular Culture Scholars	2
1.1.2. Ook!: Libraries and the Popular Culture Scholar	3
1.2. The Fantastic: The Problem	5
1.2.1. Anatomy of Wonder: What Do We Need to Know to Support F&SF Scholars and Their Information Needs?.	5
1.2.2. To boldly go . . . : A Gap in Our Knowledge of F&SF Scholars	7
1.2.3. Down the rabbit hole to . . . : Purpose of the Study and Some Definitions	10
1.2.4. <i>A voyage extraordinaire</i> ; or, In partial satisfaction . . . : Outline of the Study	14
2. FANTASY & SCIENCE FICTION STUDIES: BACKGROUND AND ACADEMIC CONTEXT	16

2.1.	In Search of Wonder: Science Fiction, Fantasy, Horror, Utopia, and Dystopia	17
2.1.1.	The Sense of Wonder : Not a Proper History of the Fantastic	17
2.1.2.	Brave New Words: A Few Further Definitions	21
2.2.	Looking Backward, 2020-1088: Fantasy & Science Fiction Studies in the Academy	24
2.2.1.	Stardate: 1088: The Voyage Begins.	24
2.2.2.	Pilgrims Through Space and Time: The Beginnings of F&SF Studies	26
2.2.3.	The Fun They Had: F&SF Enters the Classroom	28
2.2.4.	Some Kind of Paradise: Academic Pioneers	29
2.2.5.	The Library of Babel: F&SF Enters the Academic Library	32
2.2.6.	The Launching Pad: F&SF at the MLA and the Origins of <i>Extrapolation</i>	34
2.2.7.	Foundation: Science Fiction Research Association	39
2.2.8.	Second Foundation: Science Fiction Foundation.	41
2.2.9.	The road goes ever on : Subsequent Developments	43
2.3.	A College of Magicks or Miskatonic U: Conclusion	52
3.	BEING A READER IN INVISIBLE WRITINGS: RESEARCH FRAMEWORK: A LITERATURE REVIEW.	54
3.1.	The Unseen University: The Study of Disciplines and Scholars.	55
3.1.1.	The Invisible Man: Defining and Studying Invisible Colleges and Visible Scholars	55
3.1.2.	Marauder's Map: Literary and Humanist Scholars and Their Information-related Behaviors and Needs	66
3.1.3.	Starfleet Academy: Fantasy & Science Fiction Studies	79

3.1.3.1. Erewhon: F&SF Studies: A Discipline?	79
3.1.3.2. A Scholar of Magics: Studying F&SF Scholars and Their Information-related Behaviors	84
3.2. A Fall of Moondust, or, The Sands of Mars: Bibliometrics and Citation Analysis	86
3.2.1. The Hitch Hiker's Guide to the Galaxy: Definitions and Literature Reviews	86
3.2.2. Brave New World: Critiques of Bibliometric Methods	101
3.2.3. Slow Glass: Descriptive and Behavioral Studies: Descriptive Studies	107
3.2.3.1. Last and First Men: Types of Source Documents Described	109
3.2.3.2. Star Maker: Literature Source Document Descriptions	115
3.2.4. Wild Cards: Descriptive & Behavioral Studies: Behavioral Studies	119
3.2.4.1. Cyborgs: Primary & Secondary Works Referenced.	127
3.2.4.2. Orlando: Gender of the Authors Referenced	131
3.2.4.3. Androids: Format of Materials Referenced	133
3.2.4.4. The Time Machine: Dates and Ages of Materials Referenced	135
3.2.4.5. Native Tongue: Language of Materials Referenced	143
3.3. Lecture Demonstration: Conclusion	146
4. FRANKENSTEIN: QUESTIONS, METHODS, & PROCEDURES.	149
4.1. To explore strange new worlds: Purpose.	149
4.2. Inter-Galactic Playground: The Research Questions Elaborated	150
4.2.1. <i>Extrapolation</i> : Question A: The Source Publication	150

4.2.2.	Sapient, Sentient, and Sophont: Question B: The Scholars and Their Publications	152
4.3.3.	Taproot Texts and Others: Question C: The Primary (Creative) References Given by the Scholars	153
4.3.	Future History: Methods and Procedures	157
4.3.1.	Laws of Robotics: Data Capture Instrument and Data Elements	157
4.3.2.	The Machine Stops: Missing and Erroneous Data Elements.	169
5.	<i>EXTRAPOLATION: THE NATURE OF THE JOURNAL</i>	171
5.1.	<i>Extrapolation: The Questions</i>	171
5.2.	<i>Extrapolation: Editors and Editorial Advisors</i>	173
5.2.1.	<i>Extrapolation: The Editors and Editorial Staff</i>	173
5.2.2.	<i>Extrapolation: The Board of Editors/Editorial Advisory Board</i>	182
5.3.	<i>Extrapolation: Purpose of the Journal</i>	208
5.4.	<i>Extrapolation: Publication Details: Sponsors, Affiliations, Publishers, Subtitles, Frequency</i>	220
5.5.	<i>Extrapolation: Publication Types within the Journal</i>	224
5.5.1.	The Eyrie: Editorial Materials	227
5.5.2.	Universe: Articles.	232
5.5.3.	Surface Tension: Notes	234
5.5.4.	A Checklist of Fantastic Literature: Bibliographies	236
5.5.5.	The Reference Library, or, Books to Look For: Reviews	240
5.5.6.	Brass Tacks, or, Lettercol: Letters	242
5.5.7.	Ms Fnd in a Lbry: Primary Literature	243
5.5.8.	With the Night Mail: Calls for Papers	244

5.5.9. Gravy Planet & The Space Merchants: Advertisements	. . . . .	246
5.5.10. Comlinks: Indexes	. . . . .	248
5.6. <i>Extrapolation</i> : The Quest: Indexing of Items in the Journal	. . . . .	250
5.6.1. Suit Radios: The General Indexes	. . . . .	255
5.6.2. Tight-beams: The Specialized Literature Indexes.	. . . . .	264
5.6.3. Ansibles: The Specialized F&SF Indexes	. . . . .	277
5.6.4. Chronoscopes: Indexing Considered as a Helix of Semi-Precious Stones of Scholarship	. . . . .	285
5.7. Generation Starships: Conclusion	. . . . .	290
6. SAPIENTS, SENTIENTS, AND SOPHONTS: THE NATURE OF THE SCHOLARS	. . . . .	291
6.1. The Scholars: The Questions	. . . . .	291
6.2. The Female Man: The Gendered and Co-Authoring Scholar.	. . . . .	297
6.3. Uncharted Territory: The Situated Scholar	. . . . .	305
6.3.1. City: The Geographical Scholar.	. . . . .	305
6.3.2. Way Station: The Institutional Scholar.	. . . . .	311
6.3.3. Doctor Who: The Ranked Scholar	. . . . .	318
6.3.4. Always Coming Home: The Departmental or Disciplinary Scholar	. . . . .	322
6.4. Lifetime or Distinguished, Awards or Prizes: The Honored Scholar.	. . . . .	325
6.5. GoHs: The Contributing Scholar.	. . . . .	334
6.6. Unseen Academics: Conclusion	. . . . .	349
7. TAPROOT TEXTS AND OTHERS: THE NATURE OF THE PRIMARY (CREATIVE) REFERENCES GIVEN	. . . . .	351
7.1. Prequel: The Primary References: Preliminaries and the Questions	. . . . .	351

7.1.1. Once there was a . . . : The Primary References: Preliminaries	351
7.1.2. Pocket Universes: The Primary References: The Questions.	366
7.2. Locus: The Primary Works Referenced: General Characteristics	373
7.2.1. An Atlas of Fantasy: The Types of Primary Works Referenced and Their Publication Venues	373
7.2.2. The Languages of Pao: The Languages of Primary Works Referenced.	382
7.2.3. Timescape: The Dates and Ages of Primary Works Referenced	384
7.3. The Fellowship of the Ring: Referenced Primary Authors: General Characteristics	414
7.3.1. Sisters of Tomorrow and Little Green Men: The Gendered Primary Authors Referenced	414
7.3.2. The Martian, or, Citizen of the Galaxy: The National or Country Affiliation(s) of Primary Authors Referenced	426
7.4. A Game of Thrones: Creative Primary Authors and Works: The Specifics: Core or Neglected?	432
7.4.1. Witches and Wizards, Spell-books and Philosopher's Stones: The Core Primary Authors Referenced	432
7.4.1.1. Tricksters and Unicorns: The Most Frequently Referenced Creative Authors	433
7.4.1.2. Hive Minds, or, More than Human: The Most Frequently Referenced Creative Collaborative Works	454
7.4.1.3. Secret Histories, Shared Worlds, and Faerielands: The Most Frequently Referenced Creative Primary Works.	472
7.4.1.4. Galactic Center: What Is a Core?	490
7.4.2. Unknown Worlds: The Publication Venues Referenced for Primary Works	494
7.4.2.1. Scientifiction: The Most Frequently Referenced Serial Publication Venues	495

7.4.2.2. The Pocket Book of Science Fiction: The Most Frequently Referenced Anthology Publication Venues	. . . . .	499
7.4.3. The Naming of True Names: The Primary Works: Canon? Widely Assigned? Neglected or Ignored?	. . . . .	506
7.4.3.1. New Maps of Hell: The Canon.	. . . . .	507
7.4.3.2. The Neverending Story: The Authors and Works Most Widely Assigned.	. . . . .	515
7.4.3.3. Speculative Fiction: The Canon and The Authors and Works Most Widely Assigned.	. . . . .	537
7.4.3.4. Canonical Ruts: The Neglected or Ignored?	. . . . .	538
7.5. Infinite Diversity in Infinite Combinations: Conclusion.	. . . . .	566
8. SO LONG, AND THANKS FOR ALL THE FISH: COMPARISONS, CONCLUSIONS, AND FUTURE RESEARCH	.. . . .	569
8.1. So Long Been Dreaming: Once Upon a Time.	. . . . .	569
8.2. Fevre Dream: Comparisons and Conclusions.	. . . . .	570
8.3. A Dream within a Dream: Are We Counting What Counts?	. . . . .	593
8.4. A Dream of Spring: What Might the Future Bring?	. . . . .	637
APPENDICES	. . . . .	642
APPENDIX A: Chronology: Creative & Scholarly F&SF Milestones	. . . . .	643
APPENDIX B: Fantasy & Science Fiction Scholarly Awards and Awardees	. . . . .	652
International Association for the Fantastic in the Arts	. . . . .	652
J. Lloyd Eaton Conference	. . . . .	656
Mythopoeic Society	. . . . .	658
Science Fiction Foundation.	. . . . .	661
Science Fiction Research Association	. . . . .	662
Society for Utopian Studies	. . . . .	668

APPENDIX C: Extrapolation: The Details	674
Part 1: <i>Extrapolation</i> : The Journal Details	674
Part 2: <i>Extrapolation</i> : The Editors and Editorial Staff Members	678
Part 3: <i>Extrapolation</i> : The Board of Editors / Editorial Advisory Board Members	681
APPENDIX D: <i>Extrapolation</i> : Contents: Volumes 1-50, December 1959-Fall 2009	687
APPENDIX E: Complete Institutional Distribution of Known Authorship Affiliations for Seven Publication Types in <i>Extrapolation</i> , 1959-2009	806
APPENDIX F: Complete Rank or Role for Authors of Seven Publication Types in <i>Extrapolation</i> , 1959-2009	829
APPENDIX G: Complete Department &/or Discipline Affiliation Combinations for Scholar-Authors of Seven Publication Types in <i>Extrapolation</i> , 1959-2009	840
APPENDIX H: Primary Authors Referenced: Country or National Affiliations: Number of Primary Works Referenced in <i>Extrapolation</i> , by Decade.	843
APPENDIX I: Part A. Primary Authors and Works: Number of References Total, and Number of Different Works Referenced.	858
Part A.1: <i>Extrapolation</i> 's First Decade: Volumes 1-10, December 1959-May 1969	858
Part A.2: <i>Extrapolation</i> 's Second Decade: Volumes 11-20, December 1969-Winer 1979	862
Part A.3: <i>Extrapolation</i> 's Third Decade: Volumes 21-30, Spring 1980-Winter 1989	867
Part A.4: <i>Extrapolation</i> 's Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999	874
Part A.5: <i>Extrapolation</i> 's Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009	881

APPENDIX I: Part B. Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced.	888
Part B.1: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969	888
Part B.2: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winer 1979	891
Part B.3: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989	895
Part B.4: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999	902
Part B.5: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009	908
APPENDIX I: Part C. Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009	915
APPENDIX J: Publication Venues	942
Part A: All Serial Publication Publishing Primary Works: Formal and Informal References Given to Magazines, Journals, or Newspapers, by Decade	942
Part B: Anthologies and Anthology Series Publishing Primary Works: Formal and Informal References Given to Magazines, Journals, or Newspapers, by Decade	955
APPENDIX X-FILES: Identification of Works and Concepts Alluded to in This Text.	962
BIBLIOGRAPHY	975

LIST OF TABLES

Table 3.2.3.1. Materials Referenced in Four Source Document Types as Found in Budd (1986)	112
Table 3.2.4.1. Primary and Secondary Materials Referenced in Literary Scholarship as Found in Stern (1983)	128
Table 5.2.2.a. <i>Extrapolation</i> Board Members (May 1971)	185
Table 5.2.2.b. <i>Extrapolation</i> Board Members (May 1974)	187
Table 5.2.2.c. <i>Extrapolation</i> Board Members (Winter 1979)	189
Table 5.2.2.d. <i>Extrapolation</i> Board Members (Winter 1984)	190
Table 5.2.2.e. <i>Extrapolation</i> Board Members (Winter 1989)	192
Table 5.2.2.f. <i>Extrapolation</i> Board Members (Winter 1994)	193
Table 5.2.2.g. <i>Extrapolation</i> Board Members (Winter 1999)	194
Table 5.2.2.h. <i>Extrapolation</i> Board Members (Winter 2004)	195
Table 5.2.2.i. <i>Extrapolation</i> Board Members (Fall 2009)	196
Table 5.2.2.j. <i>Extrapolation</i> Board Members: Summary of All Members (May 1971 - Winter 2009)	199
Table 5.2.2.k. <i>Extrapolation</i> Board Members: Numerical Summary	206
Table 5.5.1. <i>Extrapolation</i> : Editorial Materials, by Quinary	228
Table 5.5.2. <i>Extrapolation</i> : Articles, by Quinary.	233
Table 5.5.3. <i>Extrapolation</i> : Notes, by Quinary	235
Table 5.5.4. <i>Extrapolation</i> : Bibliographies, by Quinary	236
Table 5.5.5. <i>Extrapolation</i> : Reviews, by Quinary	241
Table 5.5.6. <i>Extrapolation</i> : Letters, by Quinary.	242
Table 5.5.7. <i>Extrapolation</i> : Primary Literature, by Quinary	244
Table 5.5.8. <i>Extrapolation</i> : Calls for Papers, by Quinary	245

Table 5.5.9. <i>Extrapolation</i> : Advertisements, by Quinary	247
Table 5.5.10. <i>Extrapolation</i> : Indexes, by Quinary	248
Table 5.6.1.a. <i>Academic Search Complete</i> : Indexing of Publication Types in <i>Extrapolation</i>	256
Table 5.6.1.b. <i>Web of Science</i> : Indexing of Publication Types in <i>Extrapolation</i> .	261
Table 5.6.2.a. <i>MLA International Bibliography</i> : Indexing of Publication Types in <i>Extrapolation</i>	267
Table 5.6.2.b. <i>ABELL</i> : Indexing of Publication Types in <i>Extrapolation</i>	273
Table 5.6.3.a. <i>SF&F Research Database</i> : Indexing of Publication Types in <i>Extrapolation</i>	279
Table 5.6.3.b. <i>SF&F Book Review Index</i> : Indexing of Publication Types in <i>Extrapolation</i>	284
Table 5.6.4.a. Number of Items Indexed by Publication Types in <i>Extrapolation</i> .	285
Table 5.6.4.b. Summary of Indexing of Publication Types in <i>Extrapolation</i>	287
Table 6.2.a. Summary: Scholars' Gender and Authorship	298
Table 6.2.b. Scholars' Authorship & Gender Distribution for Seven Publication Types, by Quinaries, 1959-2009	299
Table 6.2.c. Scholars' Gender & Authorship by Publication Type, 1959-2009	303
Table 6.3.1. Scholars' Geographic Distribution of Known Authorship for Seven Publication Types	307
Table 6.3.2.a. Summary: Scholars' Institutional Distribution for Seven Publication Types	312
Table 6.3.2.b. Scholars' Institutional Distribution of Authorships by Number of Contributions for Seven Publication Types	315
Table 6.3.2.c. Top Producing Institutions Represented in <i>Extrapolation</i> (10 or More Contributions	317
Table 6.3.3. Summary: Scholars' Rank or Role as Authors of Seven Publication Types in <i>Extrapolation</i> , 1959-2009.	320

Table 6.3.4. Summary: Scholars' Primary Department &/or Discipline as Authors of Seven Publication Types, 1959-2009	323
Table 6.4.a. Summary: All Awards and Awardees, 1970-2019.	327
Table 6.4.b. Summary: Awards and Awardees with <i>Extrapolation</i> Connection, 1959-2009	328
Table 6.4.c. Summary: 1970-2019 Awards Information for Awardees with <i>Extrapolation</i> Connection, 1959-2009	330
Table 6.5.a. Lotka Distribution of Authors for Seven Publication Types, 1959-2009	337
Table 6.5.b. Lotka Distribution of Authors for Publication Type: ARTICLES.	338
Table 6.5.c. Lotka Distribution of Authors for Publication Type: BIBLIOGRAPHIES	339
Table 6.5.d. Lotka Distribution of Authors for Publication Type: REVIEWS	340
Table 6.5.e. Scholars' Distribution of Authorship Contributions & Top Contributors for Seven Publication Types, 1959-2009	342
Table 7.1.1.a. Location: All References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries and Decades	354
Table 7.1.1.b. Summary Location: All References in Articles in <i>Extrapolation</i> , 1959-2009	361
Table 7.1.2. Location: Primary References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries and Decades	370
Table 7.2.1.a. Primary Work Types: References Given (Formal and Informal) in <i>Extrapolation</i> , by Decade	374
Table 7.2.1.b. Primary Publication Source Types: References Given (Formal and Informal) in <i>Extrapolation</i> , by Decade	380
Table 7.2.2. Primary Works: Languages in <i>Extrapolation</i> , by Decade	383
Table 7.2.3.a. Primary Works: Dates of Publication of Specific Editions, by <i>Extrapolation</i> Decade	388

Table 7.2.3.b. Primary Works: Dates of Original Publications or Creation, by <i>Extrapolation</i> Decade	395
Table 7.2.3.c. Primary Works: Ages of Specific Editions Relative to Referencing Article Date, by <i>Extrapolation</i> Decade	403
Table 7.2.3.d. Primary Works: Ages of Original Publications Relative to Referencing Article Date, by <i>Extrapolation</i> Decade	408
Table 7.3.1.a. Gender: Referencing Scholar-Authors and Primary Authors Referenced in <i>Extrapolation</i> Articles	416
Table 7.3.1.b. Gender: Referencing Scholar-Authors and Primary Authors Referenced in <i>Extrapolation</i> Articles, Decadal Totals.	420
Table 7.3.2. Country/National Affiliations: Primary Authors Referenced: Gender and Single/Multiple Affiliations: Number of Primary Works References, by <i>Extrapolation</i> Decade	428
Table 7.4.1.1. Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009	434
Table 7.4.1.2. Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009.	456
Table 7.4.1.3.a. The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009	473
Table 7.4.1.3.b. The Most Frequently Referenced Primary Works by Less Frequently Referenced Authors: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009	486
Table 7.4.1.3.c. The Most Frequently Referenced Types of Primary Works: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009.	488
Table 7.4.2.1. Publication Venues: Serial Publications Publishing Primary Works: Formal and Informal References Given to Magazines, Journals, or Newspapers, in <i>Extrapolation</i> , by Decade	496

Table 7.4.2.2. Publication Venues: Anthologies and Anthology Series Publishing Primary Works: Formal and Informal References Given to Anthologies, in <i>Extrapolation</i> , by Decade .. .	500
Table 7.4.3.1. 1961 Draft Science Fiction Canon Compared with 1959-2009 <i>Extrapolation</i> Article Data.	509
Table 7.4.3.2.a. 1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films Compared with 1959-2009 <i>Extrapolation</i> Article Data: Widely Assigned Authors in Course Descriptions [Summary Threshold=10+]	519
Table 7.4.3.2.b. 1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films Compared with 1959-2009 <i>Extrapolation</i> Article Data: Widely Assigned Works in Course Descriptions [Summary Threshold=5+]	524
Table 7.4.3.2.c. 1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films Compared with 1959-2009 <i>Extrapolation</i> Article Data: Widely Assigned Anthologies in Course Descriptions [Summary Threshold=6+] .. .	531
Table 7.4.3.2.d. 1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films Compared with 1959-2009 <i>Extrapolation</i> Article Data: Widely Assigned Films or Film Series in Course Descriptions [Summary Threshold=3+] .	534
Table 7.4.3.4.a. 1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 <i>Extrapolation</i> Article Data: Authors Nominated with or without Specific Work Nominations	542
Table 7.4.3.4.b. 1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 <i>Extrapolation</i> Article Data: Authors and Specific Nominated Works	553
Table 7.4.3.4.c. 1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 <i>Extrapolation</i> Article Data: Collaborative Works Nominated	562
Table 8.3.a. Problems in <i>Web of Science</i> Entries Compared with Original Works Cited Entries in <i>Extrapolation</i>	604
Table 8.3.b. Scholars Giving References to Primary (Creative) Work: <i>Extrapolation</i> , v. 1-50, 1959-2009.	614

Table 8.3.c. Referenced Primary Authors and Referenced Anonymous or Collaborative Works: Number of References Received: % Formal and Informal References: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009.	616
Table 8.3.d. Most Frequently Referenced Primary Authors: Number of References Received: % Formal and Informal References: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009.	618
Table 8.3.e. Most Frequently Referenced Primary Works: Number of References Received: % Formal and Informal References: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009	624

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- led to an ongoing project, to be returned to upon the submission of this dissertation, currently entitled *George R. R. Martin: A Retrospective Bibliography* (2003+);
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 - Mrs. Esther Owers, Advanced Placement English teacher, Edgewood High School, for whom I wrote my first researched paper on the history of science fiction; little did she know what had been put in motion;
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 - My wonderful spouse, Ivan B. Lee, without whom . . .

27 May 2020

Note: Embedded in the text of this dissertation are the expected references acknowledging my debts to others. Originally, generated in a **bold** font so that they could be easily seen and ultimately matched with the entries in the Bibliography, it was in this form that my Committee members first saw them. They liked being able to identify the references so easily, and, as this dissertation is devoted partially to bibliometrics and citation analysis for which references often are a crucial element, they asked that the references be kept in bold in the final, submitted, version of my text.

Acknowledgements: A Coda

If nostalgia describes a longing for the past . . .

. . . what word describes a longing for the future?

“A Hundred Years from Now”

Written by E. Spencer and R[ansom]. H. Randall

Sharps and Flats, For Singing Schools and Conventions
(Chicago: Ransom H. Randall, c1899: 16-17)

1. I'd like to see this earth again, A hundred years from now,
And walk and talk with living men; A hundred years from now,
I'd like to see how farming's done, How business is, and how it's run,
How votes are cast and office won, A hundred years from now.
2. Of course there'll be no wood to burn, A hundred years from now,
There'll be some tricks in trade to learn, A hundred years from now;
There'll be big towns and steeples high, And buildings that will scrape the sky,
And stores where all the world could buy, A hundred years from now.

3. There'll be machines to shuck the corn, A hundred years from now,
Machines to nurse the babe that's born, A hundred years from now;
Machines that fly and walk by day, Machines that work, machines that play,
Perhaps machines to preach and pray, A hundred years from now.

Chorus: A hundred years from now, A hundred years from now,
A hundred years . . . , A hundred years, . . .
A hundred years from now, A hundred years from now.

A modern rendition, with music different from that in the original, is found in *Songs from the Tall Grass*, by Randy Hale (Pasadena, CA: Halesong Records, 1998) who rediscovered the song in "a small archive in Wellington, Kansas".

VITA

Education

California State University, Long Beach M.A. in English	1974-1979
University of California, Los Angeles Master of Library Science	1970-1971
University of Southern California B.A. in Humanities (French emphasis)	1966-1970

Professional Experience

California State University, Long Beach

Assistant Librarian, 27 September 1971-September 1976
Senior Assistant Librarian, October 1976-August 1980
Associate Librarian (Tenured), August 1980-August 1982
Librarian (Tenured), September 1982-30 December 2014
Librarian Emerita, 31 December 2014-date

Selected Service

University Service: Academic Senate; Institutional Review Board for the
Protections of Human Subjects; Scholarly and Creative Activities

University Library Service: Retention, Tenure, & Promotion; Collection
Development & Management

Selected Publications & Presentations

Harlan Ellison: A Bibliographical Checklist. Dallas, TX: Williams Publishing,
1973. vi, 118p.

"Harlan Ellison: An F & SF Checklist." *The Magazine of Fantasy and Science
Fiction*, 53 (1; whole no. 314), July 1977: 80-89.

"Harlan Ellison: A Nonfiction Checklist." Ellison, Harlan. *The Book of Ellison*.
Edited by Andrew Porter. [New York]: Algor Press [c1978]: 177-191.

Science Fiction, Fantasy, Horror, Utopian, & Dystopian Theses & Dissertations.
23 September 2004. <http://www.csulb.edu/~lswigart/sfftd.html>

An attempt to list every doctoral dissertation, master's thesis, and baccalaureate/senior/honors thesis dealing with science fiction, fantasy, horror, supernatural, and utopian/dystopian literature and media of which I was aware; includes more than 2000 entries; in serious need of updating.

“George R. R. Martin: A Retrospective Fiction Checklist.”

GRRM: A Retrospective. By George R. R. Martin. [Burton, Michigan]: Subterranean Press, 2003: 1255-1279. Bibliographical checklist through 31 December 2002.

Dreamsongs: GRRM: A Retrospective. By George R. R. Martin. London: Gollancz, 2006: 1161-1182. Reprint of 2003.

Dreamsongs: Volume II. By George R. R. Martin. New York: Bantam, 2007: 715-740. Revised bibliographical checklist through 31 December 2006.

“The J. Lloyd Eaton Collection . . .” [Invited presentation to MLIS graduate students on my research into history and development of the J. Lloyd Eaton Collection of Science Fiction, Fantasy, Horror, and Utopian Literature at the University of California, Riverside]. *Information Studies 281: Historical Methodology in Information Studies*, UCLA, Professor Mary Niles Maack. 10 May 2008; Revised, 25 April 2009. Revised, 30 January 2010.

“*SFRA Review/Newsletter* Historical Preservation Initiated.” *SFRA Review* #285 (Summer 2008): 5.

[Presenter] “Globalizing Eaton and SF Scholarship” [in session on:] “The Eaton Conference in Global Perspective” [session]. *The 2011 Eaton Science Fiction Conference*. 10-12 February 2011. Mission Inn, Riverside, California. Respondents: Dr. Gregory Benford (UC Irvine), Dr. Howard V. Hendrix (CSU Fresno), and Dr. Melissa Conway (UC Riverside) as Moderator.

Multiple reviews in: *Science Fiction Research Association Newsletter*, 1974-1976; review in: *Delap's F & SF Review*, 1975; invited review in: *Utopian Studies*, 2000.

CHAPTER 1:
ONCE UPON A TIME . . . : AN INTRODUCTION

Outside, the grey early morning mists dissipate at the insistence of the rising warmth of a brief Texas spring. Inside, the cool hush of a special collections reading room surrounds the woman bending over a fragile, browning, magazine. It lays open on an acid-free paper sheath within the protective wings of a large foam cradle. Her sandy curls move gently as she carefully turns a page with her white cotton gloved hand. A tiny fragment of acid pulp paper flutters to the table. Intently focused, she studies the stories and illustrations which thrilled and terrified readers of this pulp fiction magazine more than eighty years ago; she is looking for textual and artistic depictions of women characters for her new research project. If she happens upon an illustration of a map or other cartographic depiction, she makes a note of that too so that she may expand for publication the presentation she made the previous week in Florida at a scholarly conference on the fantastic in the arts and literature. She traveled more than 4,500 miles from Britain to spend precious hours of a too brief term break so she may examine this nearly complete run of *Weird Tales*, an American publication not to be found in so complete a state in her green and misty island homeland.

1.1. *There once was a . . . : Scholars, What They Study, and Their Information Needs*

1.1.1. Who?: Fantasy & Science Fiction and Other Popular Culture Scholars

In Britain, she is known as a Victorianist, but she has strong scholarly side interests in fantasy and science fiction (F&SF) literature, as well as in the relations of literature and science and of literature and geography and cartography. She is one of hundreds of scholars of popular literature and, more generally, of popular culture, who research not only the genre of fantasy and science fiction in its published and mediated forms and its associated fan worlds, but also the closely related genres of horror, supernatural, utopian, and dystopian literature and media. These scholars also may study the mystery, detective, espionage, and thriller literature with its amateur sleuths, cops, hard-boiled P.I.s, spies, and secret agents. They may become riders of the purple sage (westerns) or readers of the purple prose (weird tales). They investigate bestsellers, children's and young adult literature, as well as historical novels and bodice-rippers, 18th century Gothic and contemporary gothic and other romances, women's fiction, and 'chick lit'. They examine today's comic books, graphic novels, manga (and anime), and yesteryear's story papers, dime novels, pulp magazines, films, and radio and television programs. There are also sports stories to be studied, stories of exotic lands, yarns of the sea (and pirates), and stories of war, not forgetting the thrilling tales of air aces. These popular literature and popular culture scholars are often scholars of particular, more traditional, literatures, literary periods, genres, or authors, such as

Shakespeare or the Romantics, or they may belong to other disciplinary tribes within the academy and outside of it.

A cursory review of authors' affiliation notes for articles in several recent years of the quarterly *Journal of Popular Culture* show scholars of popular culture occupying the various professorial ranks, or enrolled as doctoral candidates and master's students in many academic English, American, and comparative literature departments. But, they are found also in departments and programs devoted to American studies, cultural studies, history, various national languages and literatures, fine arts, music, and theater, film, television, and media studies, religion and theology, ethnic and women's studies, economics, business, law, anthropology, sociology, and library and information science. Some of these scholars are librarians in academic, public, and special libraries, teachers in high schools, or independent scholars supporting themselves through the practice of other professions and occupations (one Dracula and vampire scholar is a physician). They are all part of the sprawling, multi-faceted, multi-disciplinary movement called popular culture studies.

1.1.2. Ook!: Libraries and the Popular Culture Scholar

Popular culture scholars, like scholars everywhere, need to work with the materials of their scholarship. Scientists work with the objects of their study in laboratories and museums or observe them in their native habitats whether high desert, Amazonian rainforest, deep oceanic trench, or the far reaches of interstellar space. Social scientists, some of whom are popular culture scholars, observe, survey, interview, and interact with the subjects of their research in their natural habitats such

as classrooms and playgrounds, homes and gardens, parks, offices, hiking trails and sports fields, shopping malls and coffee shops, NASCAR and thoroughbred racing venues, and comics conventions. Humanists, including many popular culture scholars, may be found at poetry slams, in theaters and concert halls and country and folk music clubs, in art galleries, or at sports stadiums temporarily turned over to raving, stomping, yelling, and singing music fans, as well as in many libraries, archives, and museums both far and near, though not (yet) in galaxies far, far away.

Scholars who deal with the artifacts of popular culture, with the books and magazines and newspapers, the sheet music and recordings, the matchboxes and cereal boxes, the comic books, the board, video and online games, the films and broadcasts and recordings, the photographs and posters and podcasts, the tools and toys and lunch boxes, the political pins and bumper stickers and paper ephemera, and all the other colorful, informative, and somehow meaningful *stuff* of the popular cultural life, need to be able to find examples of these materials in order to conduct their researches. Some of their materials may inhabit their personal collections or those of friends and colleagues. Some of this material resides in cyberspace. However, as their humanist and other colleagues who research more traditional, orthodox, or mainstream subjects expect to do, popular culture scholars increasingly expect to find the physical manifestations of these materials collected, organized, described, and made available in institutional collections, in libraries, in archives, and in museums.

1.2. *The Fantastic: The Problem*

Librarians, archivists, curators, and administrators of those cultural institutions whose purpose is to support academic programs and scholarship need to know what subjects and types of materials are needed by those who would make use of their collections. Yet, there are no in-depth evidence-based studies of the primary and secondary materials used by fantasy and science fiction (F&SF) scholars as identified in the articles, books, and other results of their scholarship. In addition to developing a finer-grained picture of the development of scholarship in this area, knowledge gained from such a study could be used by academic collection developers, together with their supporting higher administrators, to make decisions about the initiation of a collection to support F&SF scholars, to assess current collections of such materials, and to evaluate potential directions of such collections as currently exist, and used as well by scholars directing the advanced education of the next generation of their future peers, or their undergraduate students more generally.

1.2.1. Anatomy of Wonder: What Do We Need to Know to Support F&SF Scholars and Their Information Needs?

What are the subjects studied by these scholars, particularly which authors and their creations and which mediated texts, and how have those subjects changed over time? What informational and artifactual resources do they want and need? What resources have they made use of so far which could serve as potential indicators of current and future needs? Questions such as these arise within libraries, archives, and museums, and they occur and recur frequently to the individuals in charge of them.

What, they speculate and ask and research, should (the institutional) we be collecting in the realm of primary creative works and secondary critical and historical materials?

With what materials might we attempt to satisfy at least some of the information resource needs of those students and scholars, current and future, local and otherwise, for whom our institutions collect, organize, and preserve? In which subject areas? To what depth? For whom—the undergraduates only, the graduate students writing theses and dissertations, the faculty members and the visiting scholars (student or professor or independent), all of whom conduct research at various levels? In what format(s)?

Published or manuscript creative materials? Visual materials or realia? Created by whom? Acquired from whom? Organized how? Preserved in what fashion? Do we already have, or should we develop, a special collection or archive of *this* or of *that*?

And what secondary and reference resources should be procured to support this scholarship, to provide information about and examples of the scholarship of others, and to help everyone make sense of it all? Beyond the practical cultural institutional collections management needs, could a study of resources used by scholars in their publications also provide an historical perspective on the development of the scholarship itself?

Ultimately, each institution must answer these questions for itself taking account of the institutional mission, the past and current demand and any projections of future demand for these materials, the present and likely future space available for them, the staff needed for dealing with would-be and actual donors, for processing these materials and for making them available, and the ever necessary (never enough) funds for the acquiring, the processing, the housing, the preserving, and the making available. Few

academic libraries, archives, or museums have the luxury of more than merely adequate funding and staffing to fulfill current institutional needs for instructional support, and to provide assistance for other research by local faculty members and students. Few can realistically dream of making major contributions toward fulfilling in depth some of the present and future information resource needs of the local scholarly community or the larger scholarly commonweal through the acquisition and preservation of a variety of materials in more than a small number of specialized subject areas.

Identification of historic and contemporary information uses and needs in particular areas of scholarship may help inform an institution of what materials have proven useful in the past, what is currently useful, and by projection what might prove useful in the future. Since there have been no studies of the information needs or uses of popular culture studies scholars in general, or of fantasy & science fiction studies scholars in particular, those institutions with faculty or student researchers in this area have little published data upon which to make carefully considered evidence-based decisions on developing or expanding collections in this area.

1.2.2. To boldly go . . . : A Gap in Our Knowledge of F&SF Scholars

While there have been no studies focused on the information needs or uses of popular culture studies scholars, there have been some publications on the information uses of other humanist scholars which may provide background and context for attempting to answer some of the questions which are asked by librarians, archivists, and curators. Many of these studies make use of bibliometric methods, particularly citation analysis, to determine the types and characteristics of materials which have

been used and referenced (cited) by scholars in their scholarship. Most of these studies were motivated by a desire to describe the use of information materials (books, journals, media, etc.) in a scholarly subject area, particularly for the purpose of informed decision making in an area of library collection development and management, although bibliometric studies have been inspired also by a desire to examine aspects of a scholarly community, such as the humanists' work habits and information behaviors, or the flow of information within a community or between one community and others.

From the bibliometric studies to be examined in the literature review Chapter 3 below, an academic librarian or archivist responsible for collection development in (capital L) Literature in general or in specific national literatures might discover that scholars in this area generally reference far more books or monographs (a range of approximately 55-83% of all references) than they do journals (some 10-28%) or other materials which underscores the traditional wisdom of the importance of books to literary studies, and to much humanistic research in general. The librarian or archivist would notice that few of these bibliometric researchers differentiate between primary (literary/creative) and secondary (scholarly, critical, biographical, historical) works referenced, or that they attempt to consider only the secondary works referenced which may not help collection developers make difficult decisions about whether to emphasize the acquisition of primary source materials or that of secondary scholarly publications. Some studies examine the referenced materials by their years of publication (e.g. 1980+, before 1900), others by the age of the referenced materials relative to the date of the referencing publications (e.g., 1-5 years old, 50+ years), with, for example, a range of 6.7%-53.7% of materials being 0-10 years old depending on the particular

literature and type of source document analyzed; this information is useful to the collection bibliographer when considering the acquisition of electronic journal backfiles or the removal of books and monographs to remote storage or even complete deaccession from a particular collection. Some of the researchers look at the language of the materials referenced, and a few at the subject classification of those materials, especially the secondary or scholarly materials.

In preparation for my research, I conducted searches of the scholarly literature seeking studies of discipline- or field-focused groups of humanities, literary, or arts scholars through a variety of combinations of keywords in Literature and in Library & Information Studies databases (e.g., *MLA International Bibliography*, *Library Literature and Information Science*) and through cited reference searches in the *Web of Science* using as cited references some of the pertinent publications noted in the Chapter 3 literature review. While **Stern's 1983** study of articles on three literary authors and three literary movements was the most narrowly focused such information needs or uses study found, no other publication was identified which directly examined thoroughly and in depth the nature of the information needs or information uses of humanities scholars at less than the disciplinary or field level, such as English literature or American history scholars.

While various publication anniversaries and other landmarks have prompted the occasional editorial look backwards and forwards in the scholarship of the field of Fantasy & Science Fiction Studies (e.g., **Angenot et al. 1979**; **Clareson 1984**; **[Evans et al.] 2006a, 2006b**; **Martinez 2009a**; **[Martinez, ed.] 2009b**), only one article examined any of the F&SF scholarly journals as to the nature of its contents. In **1990**

Raimond Borgmeier published a brief analysis, based on the first fifteen volumes (1973-1988) of *Science-Fiction Studies*, of the major topics of the articles, the theoretical questions and analytic approaches used, genre history, themes and motifs, teaching, authors studied, and the internationalism of topics and of *SFS*'s scholar-authors. Borgmeier did not look at the materials referenced by the scholar-authors of these articles. Borgmeier's short article is the only bibliometrically-inflected publication found which discuss any facets of F&SF scholarship related to those which this dissertation attempts to address. Beyond this item, no studies were identified which focused on subject or other information-related needs, uses, or behavioral facets of scholarship in popular culture studies or of popular culture scholars in general or of F&SF studies or scholars in particular, thus, there is a gap in our knowledge.

1.2.3. Down the rabbit hole to . . . : Purpose of the Study and Some Definitions

This dissertation attempts to explore a few of these gaps in our knowledge of the development of the subject and of subject and other information needs and uses of the F&SF scholarly community so as to better inform the librarians, archivists, and curators who may wish to evaluate their collections or expand their services for this community. This study proposes to describe longitudinally a segment of the F&SF academic scholarly community, and the historical development of the discussion and use of primary (creative) materials as used by some of its scholars through a detailed bibliometric examination of the contents of one of the major scholarly journals devoted to Fantasy and Science Fiction Studies, *Extrapolation*. *Extrapolation* is the oldest

scholarly journal devoted to F&SF Studies, and aspects of it will be analyzed from its beginning in December 1959 through the end of its fiftieth volume and year in 2009. Future studies of other aspects of *Extrapolation*, and of other scholarly journals and monographs in F&SF Studies may complement and extend the results found herein.

To set the context for these investigations we need to start with a few definitions:

Bibliometrics is a collection of unobtrusive methods for the examination, primarily, of varied aspects of the producers and consumers (scholars, journals, publishers) and of the artifacts (articles, books, reviews, websites) of scholarship, such as the scholarly communication within a subject area or the bibliographic relationships between different scholarly areas. It is an unobtrusive method because it involves exploration of the published products of scholarship rather than direct interaction (e.g., surveys, interviews) with the producers of that scholarship, the scholars or critics. Bibliometrics permits one to describe quantitatively or statistically a literature of interest by such factors as the size of the literature, the nature of the publications, the scholar-critic authors of the publications and their characteristics, the references given by those scholar-authors or the citations received by those publications. A common focus of bibliometrics is *citation analysis*, the analysis of items referenced (cited) or given within a document or a set of documents, or of citations received by a scholar or a document from another such scholar, scholars, document, or set of documents.

The citation analysis of *references given* (citations to others) formally in Works Cited lists or in Notes or Footnotes, and informally within the text of documents or in annotations within the works cited or notes, provides a window into the scholarly

process by permitting readers to know details of the resources acknowledged as used by or relevant to the scholar-authors of those documents. In their Works Cited lists and/or Notes, depending on the scholarly practice or preference of a field or discipline, humanities scholars formally identify both the sources and versions (manifestations) of the creative works studied and the specific works of scholarship and other resources which have been informative or influential in shaping the specific writings to which those Notes or Works Cited lists are appended. Within a scholarly text there may be casual mentions of names or texts which are not subsequently to be found in the formal structure of the Notes or a Works Cited list. These informal *in-text citations* or *annotations* may be analyzed as well to identify some of the tacit knowledge expected of those reading the scholarship within a particular discipline, though this depth of analysis is rarely done. Thus, for example, in scholarly literary or cultural studies publications one probably need not define a sonnet as a formal poetic structure of fourteen lines nor identify Shakespeare as a Renaissance English playwright and poet for both the sonnet form and the Bard of Avon are expected to be known to (part of the tacit knowledge of) the expected reader of that publication. So too in F&SF scholarship perhaps one may not need to formally reference Heinlein (Robert A[nson]) as an individual American writer of the mid- to late- 20th century nor to define in depth such concepts as alternate (or alternative) history, cyberpunk, or lost race fantasy. Who needs an introduction or explication? Which authors or which works are considered to be so well-known, so embedded in the history and thought of the field, that he or she or it needs none and is part of the expected, tacit, knowledge of a scholar in this area?

Other bibliometric analyses also may be conducted to explore particular scholarly fields. The formal citations which scholars and their publications subsequently receive from other scholars (*citations received*) may be examined to determine the use by and influence of previous scholars and scholarship upon later scholars and scholarship and to trace intellectual, and possibly personal, ties or debts between the scholars studied and others inside and outside a particular scholarly niche. The acknowledgement of influence or assistance may be studied in forms other than by analysis of formal citations to specific individuals and works; such *acknowledgements* potentially may illuminate some of the more interpersonal or social networking aspects of the scholarly communication process not captured within the formality of Notes or Works Cited lists. Thus, these acknowledgements may be examined to augment the information found in the more commonly studied formal structures of scholarly communication.

Therefore, the main purpose of this dissertation is to investigate through direct examination some aspects of the contents of *Extrapolation* from 1959 through 2009 as an exemplar of F&SF scholarly production, the scholar-critics published therein as examples of the F&SF scholarly community, and the formal and informal references to primary creative works and their authors as a portion of the pattern of subjects studied by F&SF scholars and critics. Future studies might be made of the references given by these scholars to the secondary (historical, critical, informational) works within these same pages of *Extrapolation*, to the non-bibliographic acknowledgements made by these scholars to other individuals or to institutions, or to the citations received by these scholars from scholars within the journal. Likewise, similar studies could be made of the primary and secondary references given by scholars in other F&SF scholarly journals,

books, and book articles, of the citations received by those publishing in *Extrapolation* or in other publications, of the acknowledgements made and received therein, or of the citations received by these scholars not only from scholars publishing in other F&SF scholarly journals or monographs but from those who are found in scholarly publications outside those of the F&SF scholarly tribe.

1.2.4. A voyage extraordinaire; or, In partial satisfaction . . . : Outline of the Study

Following this introduction, the study presents an overview of the history and academic context for Fantasy and Science Fiction Studies (Chapter 2), for which *Extrapolation* serves as the first and one of the major scholarly journals. Subsequent to this is an extended literature review (Chapter 3) on the information uses and needs of humanities scholars, and on referencing or citing and other needed aspects of bibliometrics and citation analysis pertinent to the present study; this is followed by Chapter 4 focusing on the research questions in detail with the methods employed to carry out the study.

These foundational chapters are followed by the detailed study results and answers to the research questions proper (Chapters 5, 6, and 7). For this study, the initial analysis is a descriptive and historical one with a discussion of *Extrapolation* as a whole, the editors and editorial board members, the number of issues, the varied types of publications within the journal (all 2,221 of them, e.g., articles, reviews, editorial materials), coverage of the journal by indexing sources, and so forth. The second analysis is of the scholars and reviewers who authored these documents characterized

by such factors as their institutional affiliation, status, gender, and location when known or determined. The third and final set of analyses and discussions are behavioral ones focusing on the 937 articles only and on the web of *formal and informal (indirect) references given* (works cited, notes, annotations, in-text) by these article source documents to primary creative works so as to explore the historical development of the *Extrapolation*-based scholarship on the subjects of these articles. The final chapter concludes with a comparison of the results of this study with those of previous similar bibliometric studies in the areas of Literature and of the humanities more generally, an assessment of the significance of this research, its strengths and limitations, and an indication of potential future research needed.

CHAPTER 2:
FANTASY & SCIENCE FICTION STUDIES:
BACKGROUND AND ACADEMIC CONTEXT

No popular genre of fiction has generated as much, and as diverse, critical commentary as science fiction (SF). Since it is in the nature of SF's oxymoronic fusion of the rational and the marvelous to challenge received notions of reality – sometimes seriously, sometimes playfully – critical provocation is part of SF's generic identity.

The commentary this remarkably answerable genre has inspired ranges from academic literary criticism to pronouncements by authors and reviewers, electronic discussion threads, postmodern cultural theory, informed speculations on global evolution, and sectarian disputes among practicing Klingons. Its critical voices include highly specialized professionals and amateur aficionados – and it is characteristic of SF culture that the lines between them are porous. Its critical problems involve not only the speculations and dilemmas SF artists pose in their fictions, but also implicit questions about the relations between entertainment and critical thinking, play and pedagogy, the values of humanism and technoscientific culture. **(Csicery-Ronay 2005: 43)**

2.1. In Search of Wonder: Science Fiction, Fantasy, Horror, Utopia, and Dystopia

2.1.1. The Sense of Wonder . . . : Not a Proper History of the Fantastic

Narratives of the fantastic probably arose once upon a time with the beginning of storytelling . . . What is out there in the dark beyond the reach of our fire? How did we get fire? What makes the lightning? What are the lands and people like there, through the woods and beyond those misty hills far away or over the wine-dark sea? What is the sun made of, or the moon, or the stars? Do people live there? Can we go there? How did the ruler (or his ancestors) become the leader of our clan? Our tribe? Our village? How did the dog become our friend? Who developed agriculture? How did the priestly class invent the art of recording thought through writing?

And, having invented it, who wrote down those stories after dealing with the practical ledgers and legal aspects of the day-to-day practicalities, and why write them down? One of the earliest recorded stories known to us concerns the fantastic legends of Gilgamesh, the beast-man Enkidu, the Flood, the gods, a quest, and immortality. *The Epic of Gilgamesh* is considered to be “one of the oldest surviving heroic fantasies . . . in oral tradition from the mid-25th century BC, [it] was probably first recorded on clay tablets during the reign of King Ur-Nammu of Ur around 2100 BC” (**Ashley 1997: 410**); rediscovered in the 19th century CE, it was completely published in English in 1917. In those four plus millennia, there have been so very many stories told and recorded (or lost) . . . Myths of the gods and goddesses of numerous cultures. Legends of kings and heroes. Tall tales. Giants, dwarves, trolls, djinn, and elves. The Wee Folk. Faerie, fairy tradition, and fairy- and folktales. Beast fables. Frogs and princesses.

Princesses and peas. Glass slippers, or were they made of fur? Witches, wizards, and wardrobes. Magic swords, magic cauldrons, magic beans, and magicians. Ghosts, vampires, were-folk, and other supernatural creatures. The Other World and the Under World. The various Matters, of Britain, of France, and more. The Arthurian legends. The Thousand and One Nights. And on and on . . .

Then in the Western world came the European Renaissance, Gutenberg and his marvelous technological invention in the 1450s, soon to be followed by Sir Thomas More and his *Utopia* (1516, 1551), two millennia after Plato proposed his proto-utopian *Republic* (ca. mid-3rd century BCE), then Tommaso Campanella and his utopia, *Civitas Solis* (*City of the Sun*; 1623). There was the birth of modern science and of the literary consciousness of Madame d'Aulnoy and Charles Perrault and their fairytales (late 17th century) and Margaret Cavendish, Duchess of Newcastle's female scientific utopia *Description of a New World, Called the Blazing World* (1666). The Enlightenment also brought us Jonathan Swift relating the imaginary voyages of *Gulliver's Travels* (1726) to Lilliput and Brobdingnag, to Laputa and the land of the Houynhnms, and Voltaire his satiric *Micromégas* (1752) with its interplanetary visitors to Earth. *Märchen*, *Wundermärchen*, *Volksmärchen*, and *Kinder- und Hausmärchen* captured the oral tradition and flowed, pure or reworked, from the pens of Johan Musäus and the Brothers Grimm in Germany, and from other collectors and scholars elsewhere. Gothic fantasies brought delicious shivers to readers of novels such as Horace Walpole's *The Castle of Otranto* (1765), Matthew Lewis's *The Monk* (1796), Mary Shelley's *Frankenstein* (1818), and Charles Maturin's *Melmoth the Wanderer* (1820), and of horror stories by writers such as Edgar Allan Poe, Nathaniel Hawthorne, Robert Louis

Stevenson, and Ambrose Bierce, among many, many others. The 19th and early 20th century nickel story papers and dime novels told stories of wonderful inventions, lost races, marvelous adventures, and voyages to strange lands. There were further adventures and imaginary voyages in the *voyages extraordinaires* of Jules Verne. The scientific romances of H. G. Wells featured time travel, mad scientists, suspended animation, invasions from Mars, and other narrative wonders. Bram Stoker unleashed the vampire from its folkloristic origins onto a wider popular stage with his *Dracula* (1897), a sanguinary thread which continues to ebb and flow in the twilight to this very day. The later 19th century development of the all-fiction magazines brought us the age of the storytellers, the heyday of the fiction magazines and the “pulp,” both general (e.g., *Argosy*, *All-Story*, *The Story-Teller*, *The Strand*) and specialized (e.g., *Black Mask*, *Co-Ed Campus Comedy*, *Railroad Man’s Magazine*, *Ranch Romances*), wherein debuted such now iconic figures and places as Edgar Rice Burroughs’ John Carter of Mars [Barsoom] (“Under the Moons of Mars”, 1912; later as *A Princess of Mars*, 1917), the orphaned English lord raised by apes in Africa, *Tarzan of the Apes* (1912), and the hollow Earth of Pellucidar (*At the Earth’s Core*, 1914) along with many others.

From a mingling of these myriad narrative streams and publication venues arose in the third decade of the 20th century specialized pulp magazines devoted to the fantastic, such as *Weird Tales* (1923-1954) and *Amazing Stories* (1926-2005, 2014-date), in a late development in the history of the all-fiction magazines. These were the first two English-language titles in a long line of magazines, primarily American and British, but also Canadian and Australian, from which much of modern Anglo-American fantasy and science fiction publishing descends and which has influenced much F&SF

outside English-speaking Terra. Many magazines were born, and died, over the next several decades. Once in a while books considered by aficionados to be “within the genre” were published without genre labeling by mainstream book publishers, and publishers issued the occasional anthology of stories taken from these magazines and from the sources that preceded them. Vampires, werewolves, zombies, giant apes and ants, interstellar aliens, and a variety of other monsters lurked, transformed, and shambled across the silver screen bringing thrills and chills in their wake, while the Saturday afternoon matinees presented a parade of serial chapter plays with Buck Rogers or Flash Gordon. Buck and Flash were heard also on the radio, along with anthology programs such as *Lights Out* and *Quiet Please*, and Wells’ *War of the Worlds*, brought to life in modernized form by Orson Welles and his Mercury Theatre of the Air (30 October 1938).

Following the science fictionally explosive end of World War II, more book publishers entered the realm of F&SF publishing by adding such novels and related single author collections to their lines. Eventually more magazines died than were born, so that today we are left with the traditional print Big Three (*Analog*, *Asimov’s*, and *The Magazine of Fantasy and Science Fiction*), and a bevy of smaller print and electronic fiction publishing ‘zines. Today, authors, as always, work to be noticed by publishers and audiences, publishers strive to have their books and magazines represented on physical bookstore shelves and at e-commerce websites, and authors and publishers alike deal with the brave new world of publishing in the age of the e-book, the e-zine, and the Internet. Rockets and rayguns, aliens and BEMs (bug-eyed monsters), dragons and fairies, and all too chillingly human monsters trek across the twilight zone to the

outer limits of our imaginations as the moving, audio, and video media too have made their contributions to the genre on the silver screen, over the air waves and on the boob tube, with computer-based games and the Internet following in their wake (**Aldiss 1973, 1986; Clute and Grant 1997; Clute and Nicholls 1993; Evans, 1999; Mendlesohn and James 2009**).

2.1.2. Brave New Words: A Few Further Definitions

The terms fantasy and science fiction sometimes appear to have nearly as many definitions as there are critics and fans of these creative modes of verbal and visual storytelling. The non-specialist can easily be confused by the nomenclatural multiplicity when one adds such other related genre terms as horror, supernatural, utopian, and dystopian into the mix, to say nothing of the even more specialized terms for narrative subsets, tropes, and devices of these broader terms, such as alternative (or alternate) history, animal fantasy, cyberpunk, dark fantasy, first contact, future war, generation starships, ghost story, imaginary voyage, magic(al) realism, portal-quest fantasy, nuclear apocalypse and post-holocaust, scientific fiction or scientific romance, slipstream, space opera, steampunk, sword-and-sorcery, and the weird and New Weird tale to mention but a few.

Fantasy is defined by critic and professor **Gary Wolfe (1986: 38-40)** as “a fictional narrative describing events that the reader believes to be impossible” and follows this with twenty further definitions as proposed by practitioners (e.g., J. R. R. Tolkien, Robert A. Heinlein, Ursula K. Le Guin) and critics (e.g., C. N. Manlove, Eric S. Rabkin, Kathryn Hume).

Science fiction is defined by **Wolfe** as:

Often regarded as a subset of fantasy, science fiction has been defined so frequently that there is little critical consensus as to which works might be included or excluded. Most definitions include the elements of scientific content (which may include concepts associated with scientific theory even when little or no science is present in the narrative), social extrapolations, and some cognitive or nonmetaphorical link to the 'real world.' The ground rules of science fiction are essentially those of the physical universe, although they may include rules as yet undiscovered, whereas the ground rules of fantasy are generally said to be limited only by internal consistency and not necessarily related to experience. **(1986: 108-111)**

As with fantasy, he includes thirty-three additional definitions from many hands. Further attempts at definition of both terms abound, with some of the most thoughtful workings out to be found in the Clute encyclopedias **(Clute and Nicholls 1993: 311-314; Clute and Grant 1997: 337-339)**.

Suffice it to say, fantasy and science fiction (F&SF), sometimes very generally called *fantastika*, may be considered a particular, somewhat definable type of verbal or visual text or narrative, narratives which are embodied in a variety of modes of storytelling, from novels and short stories, to poems and plays, films, television and radio programs, music, illustrations and other artworks, comic strips, comic books, and graphic novels, and games of all kinds, board, computer, and role-playing. Fantasy and

science fiction even extend into the 'real life' of some readers/consumers in the form of fandom and fannish activities such as writing and publishing fanzines or fan fiction, blogging and vlogging, convention-running and attendance, filk singing, costuming and cosplay. As a genre which is enacted in such a variety of forms, the study of fantasy and science fiction likewise crosses a variety of disciplinary lines in the academy.

2.2. *Looking Backward, 2020-1088: Fantasy & Science Fiction Studies in the Academy*

2.2.1. Stardate: 1088: The Voyage Begins

Fantasy and Science Fiction Studies is a relative newcomer to the academy, considering the near millennium of higher education development in the West since the founding of the Università di Bologna around 1088. In the 19th century, inspired by the German model, some American colleges began their evolution into modern research institutions with the development of the concepts of departments and disciplines, the transformation of higher education away from the traditionally classical curriculum and toward the study of such subjects as experimental science, modern languages, and post-classical literature (**Graff 1987**). The first Ph.D degree in the United States based on the German research model was awarded by Yale in 1861, while Johns Hopkins, the first purpose-built research university, opened in 1876 and awarded its first Ph.D degrees in 1878 (**Malone 1981: 72-73, 99**). In the US by the end of 1880s several specialized learned societies or professional academic organizations had been established, including the Modern Language Association of America in 1883 (**Cohen 1998; Rudolph 1962, 1990; Thelin 2004**). In Canada the Ph.D was first granted in 1900 at Toronto, in the United Kingdom it was introduced in 1917 some decades after the initiation of the DSc and DLitt degrees and the year before the founding of the Modern Humanities Research Association. In Australia the Ph.D degree made its debut in the 1950s (**Maheu 2008: 94; Ross 1972; Simpson 1983; Smart 1992: 33; Wells 2004**).

Fantasy and Science Fiction Studies is part of a larger area of academic research, Popular Culture Studies. Popular culture has been briefly defined as “the culture appreciated by the masses of the mainstream population in any given age . . . Other definitions include or exclude folk culture and/or elite culture” (**Casey 1995: 502**). Beyond the different genres of popular literature (F&SF, mystery and detective, westerns, romances, etc.), included under the popular culture umbrella are such areas as popular music of all kinds, the entertainment (theatrical) film, radio, television and video, the automobile and other modes of travel such as trains and railroads, the circus and various types of stage entertainment, games, magic and magicians, physical fitness, pornography, propaganda, and pop art, self-help, cookery and foodways, and an uncountable range of events, trends, evanescent fads, and other phenomena, including but not limited to drinking habits, patent medicine, gambling, and goldfish swallowing, to identify but a very, very few (**Hoffmann 1978, 1984; Inge 1978-1981**).

The “popular culture movement in American colleges and universities began in the social and intellectual ferment of that [1960s] decade” says **Sewell (1984: 451)**, though it was not enthusiastically embraced in all quarters as documented by Ray B. **Browne**, founding father of the movement, in his irascibly informative *Against Academia* (**1989**; revised as *Mission Underway* **2002**), and by others (**Sewell 1984; Stevenson 1977a, 1977b; Wiegand 1979, 1981**). The Popular Culture Association (PCA), flagship scholarly organization of the general popular culture studies movement, was founded in 1969 by Browne and others, and the PCA published the first issue of its scholarly *Journal of Popular Culture* the following year. (See Appendix A: Chronology)

But first we need to go back to the future . . .

2.2.2. Pilgrims Through Space & Time: The Beginnings of F&SF Studies

Fantasy & Science Fiction Studies did not spring full grown like Athena from the head of Zeus however. The origins of F&SF scholarship were traced to the 17th century in a special “**History of Science Fiction Criticism**” (1999) issue of the journal *Science Fiction Studies*. Science fiction criticism begins with Johannes Kepler and the “huge exegetical supplement of some 223 *Notes* appended to the main narrative” of his *Somnium (The Dream, 1634)* according to Professor **Arthur B. Evans (1999: 165)**. Evans further identified several dozen relevant critical works published over the next four centuries. His overview of the earliest SF criticism may be supplemented by the bibliographies of fantasy criticism scattered in a variety of 19th century periodicals as identified by Ruth **Berman (1981, 1996)**. By the first decades of the 20th century, however, there were several early, lone, scholars of the fantastic who began a stealthy assault on academe with an occasional master’s thesis or doctoral dissertation usually on More’s *Utopia* or another utopian text, or on Gothic fiction with its tinge of horror and the supernatural. Such a pioneer was Dorothy Scarborough whose 1917 Columbia University dissertation, published as the book *The Supernatural in Modern English Fiction*, contains a chapter on late 19th and early 20th century modern “supernatural science” fictional works (**Scarborough 1917 [2001]; Westfahl 1999b**).

A decade after Scarborough a young scholar named James Osler **Bailey** completed a master’s thesis on H. G. Wells (**1927**), and contemplated taking on a doctoral dissertation because “[t]he necessary rereading of Wells and the search for material that may have stimulated him to write his novels convinced me that the part played by scientific fiction in the literature of the past century is larger than is generally

supposed, and that in scientific fiction lies much that reflects the thought of the century”; thus, he “proposed to the faculty of the University [of North Carolina, Chapel Hill] that as a dissertation for the Ph.D. degree I offer the present study of scientific fiction between Frankenstein and Wells’s latest scientific novel” (**Bailey 1934: ii**). Failing to find a suitable bibliographic guide to this literature, he turned to librarians and to his fellow students of genre literature for guidance as to titles of scientific romances appropriate to his needs. As he explained in “The Formulation of the Bibliography” appendix to the dissertation (**742-750**), he consulted the few bibliographies of prose fiction available, then, to create his own more pertinent bibliography he moved on to “publishers, librarians, editors of magazines publishing scientific fiction, book-sellers, and professors teaching courses in English or American fiction” (**742**), including sending letters to 700 English and American publishers. The responses he received from these individuals ranged from the helpful, enthusiastic, and encouraging to the sniffily dismissive, and resulted in the 71 page bibliography of titles upon which he based his study. This dissertation was later published in revised form as one of the earliest scholarly books about F&SF, *Pilgrims Through Space and Time* (**1947**), a title which later (1970) gave its name to the Science Fiction Research Association’s annual Pilgrim Award for distinguished contributions to the study of science fiction.

At the same time J. O. Bailey was writing his master’s thesis on H. G. Wells (1927), there was the beginning of what **Westfahl (1999a)** calls a “popular tradition” of F&SF studies which he traced through 1980. This popular tradition was to be found in the editorials and the reader’s letter columns of the commercial F&SF magazines starting in the late 1920s. Early in the 1930s the popular tradition grew to encompass

the essays and discussions in the amateur F&SF fan magazines (fanzines) produced by the growing fan community and numbering in the thousands in the decades since. Fan activity also produced the first small booklet of SF criticism, *Hammer and Tongs*, by Californian Clyde F. **Beck (1937)** based on essays from his fanzine *The Science Fiction Critic*. **Westfahl (1999a)** also makes note of the criticism inherent in the book reviews in the SF magazines in the 1950s, and that there were occasional books about SF from mainstream publishers. Aspects of this more mainstream tradition had been surveyed previously by **Lerner (1981, 1985)**. The particular importance of the publications of the interconnected, international, and multi-faceted F&SF fan world for the subsequent development of F&SF historical and critical works, as identified by Westfahl and Lerner, and as yet largely unexplored by academic F&SF scholars, has been emphasized by **Delany (1985)** and by **Latham (2004, 2006)**.

2.2.3. The Fun They Had: F&SF Enters the Classroom

Concurrently with Bailey's research for his dissertation, and less than a decade after the first issues of *Weird Tales* (1923) and *Amazing Stories* (1926), the fantastic broadly conceived may have entered the classroom. As far as I am aware, the first documented evidence of at least one hesitant curricular interest in an aspect of F&SF was expressed by the educational establishment during the spring semester 1932 when Austin M. Works of James Madison High School, New York City, taught a course on "Utopias in Literature". His was an "attempt to inspire students with a spirit of social idealism" as they studied the literary utopias of Plato, More, Bacon, Morris, Butler, Bellamy, Howells, and Wells, as well as utopian social experiments "such as the Brook

Farm Community and the large-scale experiment still being carried on in Russia today” (**Works 1933: 273, 274**). Two decades later City College of New York offered a 12-week collegiate extension course on SF taught by SF historian Sam “SaM” Moskowitz and Robert Frazier in a room at P.S. #18 starting on Tuesday, 22 September 1953. The first night Moskowitz presented a revised version of a guest lecture on the history of SF which he had given previously (13 December 1950) to a course on contemporary literature taught by Professor Benjamin Hamilton at New York University (**Moskowitz 1996**). While the CCNY extension course was offered several more times, it was not until the academic year of 1961/62 that a course on SF was offered as part of a regular college curriculum, actually two courses. These were Professor Mark R. Hillegas’ course at Colgate University (“**52 in Science Fiction Class**” **1962**; **Hillegas 1967: 18**; **Franklin 1983: O-P**) and Professor H. Bruce Franklin’s at Stanford (**Dunn 1983: C, 2000: 109**; “**H. Bruce**” **2000: 107**). These courses would ultimately be followed by hundreds of others (e.g., **Williamson 1971, 1980**; **James and Mendlesohn 1993**; **Evans and Mullens 1996**).

2.2.4. Some Kind of Paradise: Academic Pioneers

Professor Donald M. “Mack” **Hassler (1999)** provided an overview parallel to that of **Westfahl’s** ‘popular tradition’ (**1999a**) with his examination of the “academic pioneers of SF criticism” from 1940 to 1980. He notes the “systematizing and mapping new lands of the imagination” (**220**) which constituted the historical, critical, and bibliographical work of Philip Babcock **Gove’s** *The Imaginary Voyage in Prose Fiction* (**1941**), **Bailey’s** 1934 dissertation revised as *Pilgrims Through Space and Time* (**1947**),

Marjorie Hope **Nicolson**'s *Voyages to the Moon* (1948), and the work of a number of others from the earlier years of academic F&SF criticism.

It was early in this period, while working on his dissertation, that a science fiction reader and nascent scholar, Tom **Clareson** (1953), straddled the popular-academic divide while rehearsing the history of science fiction with an article, complete with bibliography, in the pages of one of SF's own fiction magazines, the August issue of *Science Fiction Quarterly*, written while he also was acting as vice-chairman of the 11th World Science Fiction Convention (PhilCon II), at that time the science fiction fan world's largest annual tribal gathering ("Long List" n.d.). The same year Clareson's article was published, author, later also journalist, critic, and professor, James **Gunn** published portions of his 1951 University of Kansas master's thesis (2018) as two two-part articles in *SF Quarterly*'s sister pulp *Dynamic Science Fiction* (1953, 1953-1954), another incursion of the academic into the popular world; both magazines were edited by Robert A. W. "Doc" Lowndes.

Later, in the introduction to his dissertation (U of Pennsylvania, 1956), **Clareson** was able to place science fiction in the context of the modern age when he wrote:

Since World War II an ever-increasing percentage of the American reading public has discovered that atomic bombs, guided missiles, 'space stations,' 'pushbutton' warfare, and the other accoutrements of a so-called 'Atomic Age' have long been forecast in that genre of popular literature known to its admirers as science fiction. The result has been a literary vogue which finds perhaps its closest parallels in those vogues enjoyed by the Gothic novel during the

late eighteenth and early nineteenth centuries and by the paperback novels featuring the adventures of such assorted heroes as Buffalo Bill Cody, Nick Carter, and Frank Merriwell, published in this country by such companies as Street and Smith at the turn of the present century. **(Clareson 1956: 1)**

However, despite the early academic stirrings in the two decades after Bailey finished his dissertation, things hadn't changed much regarding the ability, or willingness, of the academy to support F&SF studies. Clareson's dissertation acknowledgements revealed no thanks to any academic library, but rather a warm appreciation for:

the help of many friends who, as professionals or fans, are actively interested in science fiction. To all of those who have offered books from their private collections, their time, and their advice, I am deeply indebted. To all the members of the Philadelphia Science Fiction Society for permitting me to take part in their activities and for providing many 'guinea pig' audiences at the Sunday night meetings; to Lloyd Eshbach of Fantasy Press, L. Sprague de Camp, Samuel Moskowitz of *Science Fiction* +, Robert Lowndes of *Science Fiction Quarterly*, and Oswald Train of Prime Press for their aid in assembling bibliographies; . . . **(Clareson 1956: ii)**

Looking back nearly thirty years on, in the acknowledgements to another book, Clareson was finally able to "enumerate the libraries and librarians who have helped

[him]” (**Clareson 1985: x**). At the same time, he revealed something about previous academic attitudes on the subject of F&SF studies when he acknowledged that:

I think it appropriate to thank my mother, Ruth Dalager Clareson, and Henry Nimitz, who operated Williams Cigar Store in Austin, Minnesota, for introducing me to the pulp magazines of the 1930s. Oudal’s Book Store, then at Third Avenue and Marquette in Minneapolis, showed me that there were older magazines as well as used, often out-of-print, books. *In those days, one put aside such things when one went to the university. I did—until I needed a dissertation topic.* (**1985: ix**; emphasis added).

2.2.5. The Library of Babel: F&SF Enters the Academic Library

The year before Clareson completed his dissertation in Philadelphia, and some 300 miles to the northeast, the first known academic collection of science fiction materials was acquired by that bastion of elite academic respectability, Harvard University. The private science fiction collection of Richard W. Clarkson (Class of ’56), was presented to his university in the spring of 1955, by his father Paul S. Clarkson, Richard having died of cancer in December 1954 in the midst of his junior year. After publication of several articles noting this acquisition, and a slightly later one describing it, the Clarkson Collection dropped from bibliographic notice (**Bready 1955; “Clarkson Collection” 1955; “Science Fiction Collection for Harvard” 1955; Batteau 1957; Hillegas 1963**). As later explained by **Lerner**:

Harvard's interest in the Clarkson Collection did not go beyond acquisition and cataloging. The Collection remained in a locked room in Houghton Library and was unavailable for use. Would-be scholars were told that "we cannot allow the material to be handled because of the extreme fragility." When the annual conference on the Bibliography of Science Fiction, meeting in Boston [1970], discussed the problems of collection management in institutional libraries, the Clarkson curator refused to attend or to send a representative, claiming that participation would merely draw attention to the collection's existence and generate demands for access which could not be fulfilled. **(1981: 233-234; 1985: 137)**

Popular culture materials, including fantasy and science fiction, were not usually collected deliberately or in any depth by academic libraries until after the inception of the popular culture movement of the 1960s. The rise of academic popular culture studies led a number of libraries to contemplate, then to act upon, the development of new collections, often through purchase or donations, in support of these various areas of interest. The growth of popular culture studies of various kinds and the library and archival collections to support them was met with cries of joy and enthusiasm as well as sneers of contempt and dismissal. Because of the non-traditional nature of much of the material needed to support popular culture studies, these materials have presented the collecting libraries with a number of challenges in the gathering, organizing, describing, preserving, and making them known and available to those scholars, students, and other researchers who could profit from using them (e.g., **Tuttle 1983**). While the

number and extent of academic collections of fantasy and science fiction materials to support F&SF scholarship has grown considerably since Hal **Hall's** first simple listing of 41 "Known or Suspected SF Collections" in the pages of the *SFRA Newsletter* (**1972**), one could find no indication of the existence of the Clarkson Collection in the Harvard Libraries' HOLLIS online catalog, nor on any page of their website, until 2009 when "funding from the Ruth Miller Memorial Philanthropic Fund enabled the [Houghton] Library to catalog the [Clarkson] collection, making it available to readers for the first time" (**Harvard College Libraries 2013**), a mere fifty-four years after it was first donated.

2.2.6. The Launching Pad: F&SF at the MLA and the Origins of

Extrapolation

Having hacked our way with sword, though no sorcery, through these preliminary cultural, pedagogical, and fannish brambles, one of the Castles of Academe comes into view. One of the earliest formal scholarly, public recognitions of popular culture studies was given to science fiction in New York City at an annual meeting of the venerable Modern Language Association of America (MLA). On Monday, 29 December 1958, from 11:30 a.m. to 12:45 p.m. EST, the members of the MLA's newly formed Conference on Science-Fiction (later re-named as the Seminar on Science-Fiction), organized by Professor Scott Osborn (Mississippi State University), presented the Conference's first scholarly session at the Hotel Statler with a discussion of "The Significance of Science Fiction" led by Professor Thomas D. Clareson of the English

Department of the College of Wooster in Ohio (**“Proceedings” 1959; T. D. Claeson 1973: 2-3** with a list of 1958-1973 Seminars; **A. Claeson 1999**).

Prior to the second meeting of the Conference at the Chicago MLA in December 1959, Claeson distributed the first modest 20 page issue of *Extrapolation* (1.1- ; December 1959-date), thus commencing publication of the longest running scholarly journal devoted to the study of science fiction. The editorial, “From the Launching Pad”, by Edward S. Lauterbach (Purdue) and Claeson, set out their intentions for the Conference’s newsletter and identified some discussion points which are useful for setting the stage for the development of *Extrapolation* and the beginnings of regular academic attention to fantasy and science fiction texts:

The increasing number of studies of science-fiction in the various journals, as well as the very existence of the Conferences, indicates the developing interest in the genre. Yet from last year’s discussion [1958] and from a survey of recent articles, the lack of agreement concerning even the definition of science-fiction also becomes apparent. Four principal problems face anyone wishing to undertake a study of the genre. First the lack of accurate, cumulative bibliographies of both science-fiction works themselves and articles about s-f. Second, the lack of generally accepted criteria by which to judge the effectiveness of the individual work (the view that one judges s-f by the same standards as one judges any fiction has merit as far as it goes, but it also seems to dodge the essential question, doesn’t it?). Third, the need for a

comprehensive history of the genre – British, Continental, American – with studies of sources and influences. (At best such a history exists only piecemeal at this time, being particularly strong, perhaps, in certain periods of English literature.) Fourth, the need for extensive study of the relationship between science-fiction and the science of its own period; that is, the need for study of the popular concepts of science and the scientist of any one period as reflected through science-fiction. **(Lauterbach and Claerson 1959: 1).**

It was their aim that *Extrapolation* could “provide a continuing and unifying publication in which those interested in the genre may exchange ‘notes and queries’, find annotated checklists, and publish articles on both past and present science-fiction” and that for each issue the “typical format will include a featured article; a cumulative, annotated bibliography of books and articles about s-f; a second, shorter article; letters, comments, arguments, et al; and annotated bibliographies of s-f works from the various periods” **(Lauterbach and Claerson 1959: 1)**. The first of these proposed bibliographies of s-f works was published in that very issue, **Claerson’s** 16 page “Annotated Checklist of American Science-Fiction: 1880-1915” **(1959b)** appended to his brief article on “Major Trends in American Science-Fiction: 1880-1915” **(1959a)** which had been the focus of his dissertation **(1956)**. Several other bibliographies, of articles on SF **(Claerson and Lauterbach 1960b)**, of the works of H. P. Lovecraft and criticism on HPL **(Emmons 1961)**, and of Jules Verne’s *Voyages extraordinaires* and of criticism on Verne **(Hillegas 1960, 1962)**, followed shortly thereafter to begin

Extrapolation's contributions toward solving part of the first of the four problems which Lauterbach and Claeson had identified. While Claeson and Lauterbach's preliminary bibliography of criticism in the second issue did not result in a continuing feature as they had hoped (**[Claeson and Lauterbach] 1960a: 24**) it did lead eventually to the first extensive bibliography of SF criticism, **Claeson's** own *Science Fiction Criticism: An Annotated Checklist (1972)* based on his three part bibliography previously published in *Extrapolation (1970a, 1970c, 1971b)*. Over the next half century, the authors of thousands of historical, critical, biographical, and bibliographical books, articles, reviews, dissertations, theses, and websites, in *Extrapolation* and elsewhere, would respond to their call (see **Hall 1975, 1981b, 1985, 1987b, 1993, 1997, 2010**).

To identify previously published scholarly work on F&SF at the time of the 1958 Conference, one could look at the (foot)notes in the few books and articles of which one was already aware, examine in the library copies of the *International Index to Periodicals* (1907-date; later entitled *Social Sciences and Humanities Index*, and even later split into the *Humanities Index* and the *Social Sciences Index*, now renamed *Humanities Abstracts* and *Social Sciences Abstracts*), or one could use the flagship index of literary scholarship, in the form of the MLA's "Annual Bibliography" (previously, the "American Bibliography") in an academic library's soberly bound volumes reprinted from springtime issues of the *PMLA*, or to one's own copies of the bibliography in personal copies of *PMLA* itself. Materials about individual authors could be sought, laboriously, year by annual volume, by looking under the appropriate literature (e.g., American, English), then the time period, before arriving at the list of creative authors on whom scholarship had been published the previous year. If one were seeking materials

about a topic, rather than about a specific author, there were several very general sub-categories to be scanned (e.g., fiction) within both the general literature section and the separate national literature sections. Lacking the more generous subject indexing which was not available until 1981, one would need to scan the titles of the books, journal articles, and articles in Festschriften and other analyzed collections (now called book collections) seeking potentially useful materials.

Thus, in this tedious fashion one would possibly have found the 12 items with the phrase 'science fiction' in their titles from the beginning of the MLA's bibliography in 1921 (published in the March 1922 *PMLA*) through the 1957 bibliography in the April 1958 *PMLA*; three of those twelve items were published in 1957 and the earliest in 1948, Bleiler's important *Checklist of Fantastic Literature*. If one were an enterprising scholar, with sufficient patience and time, and an elastic definitional sense of the fantastic and the utopian, one might possibly have been able to compile a general bibliography of 150-200 scholarly items or so including items about particular authors (e.g., More, Campanella, Mary Shelley, Bellamy, Verne, Wells) by using the words in the titles of the items listed and one's knowledge of the field and the authors therein from reading J. O. Bailey and other pioneering scholars. However, few or none of these items would have dealt with the then recent or contemporary authors one would have read in one's own copies of the contemporary F&SF pulp and digest magazines and the growing number of reprint and original mass market paperbacks found on the newsstands or in the candy- and drugstores of the day, and in hardcover books in a few bookstores and in some libraries.

2.2.7. Foundation: Science Fiction Research Association

While Osborn, Clareson, and the other pioneering academic attendees of the MLA Conference were teaching their classes that autumn of 1958 and preparing to attend the MLA and that first Conference on SF, a lecturer from Swansea University, novelist Kingsley Amis, was enjoying himself teaching creative writing at Princeton and preparing to present a series of six lectures on science fiction as part of Princeton's Christian Gauss Seminars in Criticism. His topic was chosen at the suggestion of R. P. Blackmur, critic, professor, and director of the Seminars who had learned of Amis' long time interest in SF. Amis' Gauss Seminar lectures, with their "invited audience of luminaries" in February and March 1959 were both definitional and historical with a focus on the social, satiric, and dystopian aspects of SF with many examples from mid-century publications. The lectures led to the publication the following year of **Amis' *New Maps of Hell: A Survey of Science Fiction (1960)***, probably the earliest serious or trade book about SF by an academic which reached a wider mainstream audience (**Amis 1960, 2001: 529-530, 544-546, 550-551; Leader 2006: 393-394, 412-418; Wolfe 2004: 525, 530**).

From the ferment of that pivotal academic year 1958-59, interest in science fiction, and sometimes of fantasy, began to grow (slowly) in the academy. The MLA's Conference on SF became an annual gathering place for academics interested in SF, popular culture studies of various types began to appear more overtly in academe (**Browne 1989, 2002**), and by the late 1960s several scholarly SF conferences under the umbrella title Secondary Universe had been organized (**Lerner 1985: 90**).

At the third annual Secondary Universe Conference, Queensborough Community College (Bayside, NY), in October 1970 Claeson and others announced the founding of the Science Fiction Research Association (SFRA), the first “professional organization devoted to the study of science fiction and fantasy and film” and they presented the first Pilgrim Award for distinguished contributions to the study of science fiction to Professor J. O. Bailey (University of North Carolina) whose dissertation three decades earlier gave the award its name. The formal inauguration of the SFRA came a year and a half after such an organization was initially discussed during the First Annual Conference on the Bibliography of Science Fiction, chaired by Frederick A. Lerner, Columbia University, 1 March 1969, with “attendees includ[ing] bibliographers, collectors, scholars, editors, SF writers, librarians, and amateurs—a cross-section of the science fiction community”, and further discussed later that year at the Secondary Universe II conference in October at the University of Wisconsin—Green Bay (**“Bibliography Conference” 1968: 4; Claeson 1969: 3; Lerner 1969, 1981: 174-176; 1985: 90-91; “New York Area Conferences” 1969: 4).**

As **Claeson** subsequently elaborated in the May **1971** issue of *Extrapolation*, the aims of the SFRA were:

- A. To encourage and develop new scholarship in the field.
- B. To encourage and develop the teaching of science fiction at all levels of instruction.
- C. To promote cooperation and exchange of information among students of science fiction throughout the world.

- D. To improve access to published and unpublished materials; to aid in securing for library collections papers and records needed for present and future study.
- E. To aid the publication of scholarly books and works pertinent to the field through a monograph series and direct grants. **(1971a: 63)**

That same issue of *Extrapolation* reported the first results of a survey by Eastern New Mexico University Professor Jack **Williamson** (English literature Ph.D since 1964, but SF author since 1928) in pursuit of the organization's second aim, an annotated list of college courses on F&SF. *Extrapolation* became the official journal of the SFRA with its December 1971 issue. As of 2019, SFRA Conferences have been held annually since 1970, 50 times in 20 US states, in two Canadian provinces, and in England, Scotland, and Poland (**A. S. Claeson 1999; T. D. Claeson 1971a, 1984; Lerner 1981, 1985; Science Fiction Research Association 2008, 2018**).

2.2.8. Second Foundation: Science Fiction Foundation

In the United Kingdom one of the "scruffier" types of institutions of higher learning (**Nicholls 1973: 4**), North East London Polytechnic, began providing space for an office and the library collection of the Science Fiction Foundation (SFF) and as of 10 October 1971 for its first administrator, the Australian Peter Nicholls. The SF Foundation, an autonomous body founded by writer George Hay and a number of other writers and academics with writer Arthur C. Clarke as Patron, announced its aims and objectives as:

1. To gather in one place of academic repute various bibliographies and private libraries, and to collect original papers. The intention is that this valuable source material should be collated and be available to scholars and others of good standing. Serious studies of science fiction, selected new texts, and some audio-visual material will also be collected.
2. To encourage the holding of seminars, visiting lecturers, and research projects, and publishing generally. These activities would be of considerable inter-disciplinary value.
3. To link these endeavours with parallel ones overseas.
4. To investigate the possible integration of a science fiction element into an appropriate diploma or degree course of the Polytechnic. **(Barren 1972: 2-3)**

Soon afterward, the Foundation commenced publishing the second general academic F&SF journal, *Foundation: A Review of Science Fiction* (#1- , March 1972- ; since 1996 subtitled: *The International Review of Science Fiction*). It included the first of a series of essays on “The Development of a Science Fiction Writer,” by John Brunner, one of the members of the Foundation; this series was soon renamed “The Profession of Science Fiction” **(Nicholls 1973)**.

In the spring of 1992 the newly renamed, and no longer quite so scruffy, University of East London announced the withdrawal of its financial support as of the end of 1992, leading the Council of the Foundation to vote on 1 October 1992 to accept an offer from the University of Liverpool. Therefore, in 1993 the Foundation and its

growing Collection moved northwestward to the University of Liverpool's Sydney Jones Library, and Andy Sawyer was hired as its new Librarian Administrator, an administrator who would be shared with the Department of English as Course Director for the announced M.A. in Science Fiction Studies. The next year the Liverpool University Press commenced publishing *Liverpool Science Fiction Texts and Studies* (1994- ; 59 volumes as of late 2019), primarily a series of scholarly monographs (**James 1992a, 1992b, 1993a, 1993b; "Relocation" 1993; Sawyer 1993**).

2.2.9. The Road Goes Ever On . . . : Subsequent Developments

On an initially less academic note, and preceding the official founding of both the SFRA and the SFF, the Mythopoeic Society held its first meeting in October 1967 in a quiet suburb of Los Angeles, California, convened by Glen H. GoodKnight, a fan of J. R. R. Tolkien, C. S. Lewis, and Charles Williams. While the Society held fun, fannish events, such as a Bilbo and Frodo's Birthday party each September, members also met monthly to discuss a book or related topic from the oeuvres of the three Inklings. By January 1969 the Society published the first issue of its journal *Mythlore* (1- , 1969-), initially a very 'sercon' (serious and constructive) fanzine, and the Society had two branches, one in each of the two valleys adjacent to downtown Los Angeles. The Society continued to add branches, and over Labor Day weekend, 4-7 September 1970, co-sponsored with the Tolkien Society of America (TSA) the Tolkien Conference III/Mythcon I. In 1973 the two societies merged under the Mythopoeic Society name, and the TSA's *Tolkien Journal* was merged with *Mythlore*. (**GoodKnight 1970, 1973, 1993; L. Newman 1972; "What Is . . ." 1970**). The Society and its annual conference

have continued to grow and to mature into a scholarly organization, as has *Mythlore* which has developed into a fully-fledged specialized academic journal devoted not only to the Inklings, but also open to myth, mythopoeic, and fantasy studies.

The 1970s and '80s saw the development of additional scholarly organizations, conferences, and journals, and several academic publishers commenced monographic series devoted to F&SF studies. In 1973 the third general academic journal devoted to science fiction, *Science-Fiction Studies (SFS)* was initiated ([1.1.]1- , Spring 1973-); it was later (1999) to be de-hyphenated as *Science Fiction Studies*. Under the joint editorship of R. D. Mullen (Indiana State University) and Darko Suvin (McGill University) it had an international Editorial Board and focused on the “study of science fiction—including utopian fiction, but not, except for purposes of comparison and contrast, supernatural or mythological fantasy” ([Indicia] 1973), though this focus was changed to “science fiction, broadly defined” in 2002 ([Indicia] 2002). In October 2009 it was announced that *SFS* had joined the *JStor* online academic journal archive with a moving wall of three years (“New Content” 2008; McGuirk 2009).

The next specialized F&SF-related academic association was the Society for Utopian Studies whose initial organization was:

a fortunate combination of circumstances growing out of Kenneth M. Roemer’s Newsletter, *Utopus Discovered* (1975-1977), a proposal by Alexandra Aldridge and Gorman Beauchamp for the periodical that eventually became *Alternative Futures: The Journal of Utopian Studies* (1978-1981), Arthur O. Lewis’s, *Directory of Utopian Scholars* (1976), and Merritt Abrash’s discovery through

this directory of other utopian scholars at his own institution [after which he, Abrash] organized a conference that brought together 58 registered participants at Rensselaer Polytechnic Institute in the Fall of 1976. **(Lewis 1986: 25-26)**

This conference subsequently led to other conferences and the formation of the Society through the successive adoption of various elements of its Bylaws **(Lewis 1986: 32-33)**. The Society has issued several volumes of conference proceedings and publishes the topically specialized journal *Utopian Studies* (1.1- , 1990-) which has joined the Johns Hopkins University Press' *Project Muse* online humanities journal subscription archive **(Obbagy 2010)**. Meanwhile, in Australia, Professor Van Ikin (Department of English, University of Western Australia) began preparations for the publication of *Science Fiction: A Review of Speculative Fiction* (#1- , June 1977-), the fourth general F&SF scholarly journal.

To close out the 1970s, the Eaton Conference was inaugurated in 1979 at the University of California, Riverside, sponsored by and named for the J. Lloyd Eaton Collection of Science Fiction, Fantasy, Horror, and Utopian Literature in the Special Collections Department of UCR's Tomás Riviera Library. The Eaton Collection, now the largest catalogued and publicly available collection of F&SF materials in the world, had its origins in a collection of some 7,500 volumes acquired from Dr. Eaton's estate in 1969 at a time when few libraries, especially academic ones, had much in the way of special collections devoted to such popular culture materials. The Conference was held annually through 1997 usually in Riverside, but less regularly since, and it resulted in a number of volumes of conference papers. The Collection also hosted the five annual

Science Fiction Studies Symposiums, 2009-2015. Initially the Mullen Research Fellowships (2009/10+) sponsored by *Science Fiction Studies* and named in honor of R. Dale Mullen, *SFS*'s late co-founding editor, were restricted to those wishing to conduct research at the Eaton Collection, but the 2014/15 and later competitions have been open to those wishing to research in any relevant collection. **(Conway 2010: 162-163; "Eaton Collection" n.d.; Latham 2008, 2009a, b, c, 2016; *Science Fiction Studies* 2017; Swigart 2005).**

To open the 1980s, another small conference, this one devoted to the fantastic more generally, was founded in Florida by Professor Robert A. Collins (Florida Atlantic University) in 1980 with "a grant from the estate of fantasy author and FAU faculty member Thomas Burnett Swann" **(Latham 2009d: 582)**. It grew rapidly to become the annual International Conference on the Fantastic in the Arts (ICFA), which in 1982 spawned the International Association of the Fantastic in the Arts (IAFA), which in its turn commenced publication of the fifth general academic F&SF journal, *Journal of the Fantastic in the Arts* (1.1- , 1988-) **(Collins n.d.)**. The same year that ICFA was founded, the Southern Illinois University Press began publishing books devoted to explorations of fantasy and science fiction literature under the series title *Alternatives* (1980-1990; 22 volumes). Nearly simultaneous with the organization of IAFA, Greenwood Press (later Praeger Publishers) began publication of a long-running scholarly monographic series, *Contributions to the Study of Science Fiction and Fantasy* (1982-2005; 106 volumes) which included single author volumes, topically-oriented scholarly collections, and a number of proceedings from both ICFA and the Eaton Conference.

At the end of the '80s, a New York publisher's editor with a Ph.D in comparative literature (David G. Hartwell) and the SF-reading editorial cohort of a financially strapped little poetry magazine (*The Little Magazine*), decided that

SF is, in our opinion, seriously in need of a frequent publication combining high reviewing standards with a knowledge of literature, a publication which is suspicious of trends but sympathetic to a continuing evolution of thought and achievement that seems to have been more often referred to than discussed in recent years.

(Editors, 1988: 24).

This group launched the then monthly *New York Review of Science Fiction* (#1- ; September 1988-) which combines thoughtful reviews of several recent publications with essays and commentaries by professional writers, editors, readers, and academics in a relaxed, knowledgeable and 'sercon' atmosphere. As the atomic 20th century drew to a close, F&SF studies members saw the first issue of a new specialized journal, *FemSpec* (1.1- , 1999-), whose subtitle calls it "an interdisciplinary feminist journal dedicated to critical and creative works in the realms of sf, fantasy, magical realism, surrealism, myth, folklore and other supernatural genres".

The foundings and commencings continued into the new millennium. In November 2003 the MLA Science Fiction, Utopian, and Fantastic Literature, an occasional online discussion group, was inaugurated, though activity on this list appears to have ceased entirely before the end of 2007. *Tolkien Studies: An Annual Scholarly Review* (1- , 2004- ; 16 volumes through 2019) was first issued by the West Virginia University Press in 2004 and has been part of the *Project Muse* archive from its first

volume (**Carroll 2004**). The commercial publisher McFarland began publishing a monographic series, *Critical Explorations in Science Fiction and Fantasy* (2005- ; 67 volumes as of late 2019), and later another series devoted to *Contributions to Zombie Studies* (2014- ; 21 volumes as of late 2019, though several relevant but previously published titles were incorporated retroactively into the series). In 2008 the Liverpool University Press published the first issue of *Science Fiction Film and Television* (1.1- , Spring 2008-), another specialized English-language academic journal in the field and which also has been included in the *Project Muse* archive from its first issue (**Schaffner 2009**). Kent State University Press, erstwhile publisher of *Extrapolation*, began publishing the next scholarly author-centric serial *The New Ray Bradbury Review* (2010- ; 6 volumes by late 2019) in concert with the Center for Ray Bradbury Studies (2007-) located at Indiana University-Purdue University Indianapolis (**Indiana University n.d.**). Looking beyond the English-speaking world, scholarly journals devoted to F&SF studies also launched publication, often as online peer-reviewed and open access, among them *Alambique: Revista académica de ciencia ficción y fantasía/Jornal acadêmico de ficção científica e fantasia* (University of South Florida; 1-2013-), *Brumal: Revista de investigación sobre lo Fantástico* (Universitat Autònoma de Barcelona, Spain; 1.1- 2013-), *Fafnir: Nordic Journal of Science Fiction and Fantasy Research* (The Finnish Society for Science Fiction and Fantasy Research/Suomen science fiction- ja fantasiatutkimuksen seura ry; 1.1- 2014-), *Fastitocalon: Studies in Fantasticism Ancient to Modern* (in English; Germany; 1- 2010-), *ReS Futurae: Revue d'études sur la science-fiction* (Université de Limoges, France; 1- 2012-), *Revista*

Hélice: reflexiones críticas sobre ficción especulativa (1- 2006-), and *Zeitschrift für Fantastikforschung* (Gesellschaft für Fantastikforschung, Germany; 1- 2011-).

While the Center for Popular Culture Studies first opened at Bowling Green State University in 1970 followed by the organization of a Department of Popular Culture in 1973 (**Bowling Green n.d. a, n.d. b; Browne 1989, 2002**), academic centers or programs devoted specifically to science fiction and fantasy were a later development and not always an easy one. Two years after the founding of IUPUI's Bradbury Center, there was an announcement made during a 2 May 2009 session at the Eaton Conference, University of California, Riverside, where "Dean Stephen Cullenberg of the College of Humanities and Social Sciences announced that UCR would, over the next two years, be hiring two more faculty who specialize in science fiction: an sf author in the Department of Creative Writing and an sf film theorist in the Department of Media and Cultural Studies" (**Latham 2009b: 381**). Unfortunately, the issue of *Science Fiction Studies* where this development was reported to an audience wider than that attending the Conference had not even reached subscribers mailboxes when Professor Latham had to issue a "sad preemptive update" to this news item in an email sent to several F&SF academic lists. The email was entitled "California Budget Monster Eats Science Fiction Hire" and it reported that ballot initiatives that were designed to close state budget deficits had failed at the polls and that Governor Arnold Schwarzenegger (who, ironically, played the title character in the three *Terminator* SF films) was instituting massive cuts, including to higher education. It was "at which point the UC central administration decided to freeze all open searches. As a result, the job offer we had

made to fill the SF writing position was effectively cancelled, at least until such time as the hiring freeze expires” (**Latham 2009a, 2009e**).

Fortunately, UCR was able subsequently to make those anticipated hires and Latham (hired in 2008) was joined by the award-winning author Nalo Hopkinson in 2010 and SF media scholar Sherryl Vint in 2012 to form the initial core faculty of the Science Fiction and Technoculture Studies program beginning in fall 2013 and of the new designated emphasis Science Fiction Ph.D program (**B. Miller 2013; E. Brown 2013**). The most recent developments in this area appear to be the introduction of a new postgraduate course, the Science Fiction and Fantasy MA, at Anglia Ruskin University, Cambridge and Chelmsford, UK, with a May 2018 course start (**Anglia n.d., 2016**), and the creation of the China Science Fiction Research Institute which “was jointly established by Sichuan University, the Sichuan Association for Science and Technology, and *Science Fiction World* magazine with ‘the aim of supporting the development of the sci-fi industry and related literary and artistic endeavours’” as reported by *Locus Online* on 2 December 2019 (**“China” 2019**).

By the period covered by the final *Science Fiction Studies* “History of Science Fiction Criticism” essay, Veronica **Hollinger’s 1999** survey on contemporary trends in SF criticism since 1980, and beyond that time, academic interest in F&SF teaching and scholarship is in full swing. College and university classes on F&SF continue to be offered on hundreds of campuses (**Evans and Mullens 1996; James and Mendlesohn 1993**), publishers of academic books issue individual volumes and monographic series on F&SF, several dozen substantial special collections of F&SF materials are in existence and in various states of organization and development (**Hall**

1976, 1981a, 1982, 1987a, 2004; Latham 2010; R. W. Scott 1995), thousands of master's theses and doctoral dissertations have been written (*Science Fiction and Fantasy Research Database continuous update*; Swigart 2004), and centers and specialized degrees are being developed and offered. These academic developments parallel those in the wider field of popular culture studies (Browne 1989, 2002) and in the closely related area of utopian studies (Fitting 2009). Despite this ferment, not everyone in the academy has been as enthusiastic as the many scholars present each year at the SFRA, ICFA, and Eaton and other conferences and who publish inside and outside the general and specialized F&SF academic journals and scholarly volumes. Indeed, these scholars would sometimes still be subjected to remarks by Modern Language Association of America presidents, who, while high-mindedly hoping that the members of the MLA would teach their students to love Literature as they [the professors] loved it, yet could say that "with the partial dissolution of the historically organized curriculum, many departments of English *have resigned themselves* to offering courses in film, science fiction, and contemporary American writing" (Vendler 1981: 346; italics added), seemingly and conveniently forgetting that some of that Literature (Shakespeare? Dickens?) once was popular and only later enshrined in a literary canon.

2.3. A College of Magicks or Miskatonic U: Conclusion

With the conclusion of more than a half century of formal academic activity in the field of fantasy and science fiction scholarship in 2009, it seemed to be an appropriate time to examine some aspects of that scholarship. Bibliometric methods as founded in the library and information studies field permit one to conduct unobtrusive observations of the published artifacts of scholarly communication and have been used to study many areas of scholarship, though not so many in the humanities. Fantasy and science fiction scholarship has a robust community of scholars, with a very large array of interesting and diverse serial and monographic publications and growing special collections in academic libraries. Other scholars have not researched this particular scholarly community in any detail so the opportunity to propose a study of one of these publications was irresistible, as well as amazing, fantastic, and thrilling.

Thus, since I enjoyed and found professionally beneficial the bibliometric studies I had encountered previously, I thought it would be useful to attempt the application of some of these methods to an area of scholarship with which I have had such a long history, having written my first researched paper on the history of science fiction for an advanced placement English class as a senior in high school (Thank you, Mrs. Esther Owers!). Following the successful defense of my initial but *wildly* over-ambitious proposal to analyze five general academic journals, four specialized academic journals and a specialized annual, one sercon magazine with many academic readers and contributors, two series of conference proceedings (IAFA and Eaton), and three *Companion* volumes, it was revised, and revised yet again, to be this much more

modest analysis of several facets of the first and oldest general academic journal devoted to fantasy and science fiction studies, *Extrapolation*.

Hence, this dissertation . . . *de profundis ad astra!*

CHAPTER 3:
BEING A READER IN INVISIBLE WRITINGS:
RESEARCH FRAMEWORK: A LITERATURE REVIEW

It was very hard being a reader in Invisible Writings.*

*The study of invisible writings was a new discipline made available by the discovery of the bi-directional nature of Library-Space. The thaumic mathematics are complex, but boil down to the fact that all books, everywhere, affect all other books. This is obvious: books inspire other books written in the future, and cite books written in the past. But the General Theory[‡] of L-Space suggests that, in that case, the contents of books *as yet unwritten* can be deduced from books now in existence.

‡ There's a Special Theory as well, but no one bothers with it much because it's self-evidently a load of marsh gas. (**Pratchett 1992: 55**; italics in original)

While no attempt will be made to deduce the contents of future F&SF scholarly works, if this dissertation is to explore some of the development of an English-language F&SF scholarly journal, its editors and contributors, and the use of creative (primary) works by those contributors, it is important to provide a framework for the investigation. What is F&SF Studies? How might bibliometric methods such as citation analysis be applied to explore it? What aspects of F&SF studies might be explicated through these methods, and how might they describe at least part of the shape of this universe?

3.1. *The Unseen University: The Study of Disciplines and Scholars*

How have others defined areas of scholarly study? How have they examined these areas in order to explain their organization? How has the work of scholars in a subject area been investigated? From an information studies perspective, what is known about the use of those resources which libraries, archives, and other cultural heritage institutions collect and protect for the use of scholars and others?

3.1.1. The Invisible Man: Defining and Studying Invisible Colleges and Visible Scholars

Discipline: A branch of learning or knowledge; a field of study or expertise; a subject. (Definition 7.a.)

Specialty: Special or specialized knowledge; tendency to specialism or specialization, esp. in scholarly pursuits [or] A special subject of study or research; the branch of scholarly, scientific, or professional work in which one is a specialist. (Definitions 4.e. and 8.b.)

Specialism: Restriction or devotion to one aspect of an activity, profession, or area of study; professional or academic specialization. (Definition 1)

Invisible: That cannot be seen, that by its nature is not an object of sight; [and] Applied to associations, etc. not having a visible, open organization, esp. as *invisible college*. (Definitions 1.a. and 1.d.)

Interdisciplinary: Of or pertaining to two or more disciplines or branches of learning; contributing to or benefiting from two or more disciplines.

Multidisciplinary: Combining or involving several separate disciplines.

Transdisciplinary: Of or pertaining to more than one discipline or branch of learning; interdisciplinary.

(Oxford English Dictionary 2018; individual entries dated 1976-2015)

Defining Academic Collectivities: Describing their book as “an enquiry into the nature of the linkages between academic cultures (the ‘tribes’) and disciplinary knowledge (their ‘territories’)” **(xiv)**, **Becher and Trowler (2001)** argue that the ways in which particular groups of academics organize their professional lives are related in important ways to the intellectual tasks on which they are engaged [and that] the ways in which academics engage with their subject matter, and the narratives they develop about this, are important structural factors in the formation of disciplinary cultures. **(23)**

They admit that “[t]he concept of an academic discipline is not altogether straightforward, in that, as is true of many concepts, it allows room for some uncertainties of application” **(41)**. While investigating twelve academic areas, including history and modern languages, they interviewed faculty members in California and the UK about multiple issues, the most pertinent for this dissertation being questions about

“the characteristics of the discipline: its overall nature and content, its internal and external boundaries, its degree of unity across specialisms, its nearest intellectual neighbours”, about the “reputations and rewards” of the area, such as disciplinary heroes and prizes, and about the “professional activity: the nature of communication patterns, forms and rates of publication, the structure of personal networks” (26) which includes citation practices and their implications (114-116). They describe several common features of a discipline: that it has an organizational structure (“fully-fledged departments”) in academic institutions, and that there is, and to what degree, “a freestanding international community [that] has emerged, with its own professional associations and specialist journals” (41). Thus, one may speak of the disciplines of biology, law, psychology, or English, all of which are departments, even schools, in many institutions of higher education, which have numerous scholarly and professional organizations devoted to their study, and which have even more numerous journals in which to publish the scholarship of those within each discipline.

Becher and Trowler distinguish the larger areas of disciplines from smaller ‘specialisms’ which they describe as “identifiable and coherent properties of *subsidiary areas* within one disciplinary domain or another” (65; italics added). They describe specialisms variously as “less formally recognizable,” “shifting, kaleidoscopic,” even “inchoate,” and suggest that “specialism, it might seem, can only be defined in terms of the labels with which groups of people choose to identify themselves at any given time” (65-67). They state that “[t]he move from the arena of disciplines to that of specialisms calls for a corresponding shift in perception” (65) and link this shift to **Crane’s** discussion of the ‘invisible college’ by quoting her statement that “[i]nstead of seeing society as a

collection of clearly defined interest groups, [it] must be reconceptualized as a complex network of groups of interacting individuals whose membership and communication patterns are seldom confined to one such group alone” (65).

Crane’s 1972 book is probably the best known explication of the concept of the invisible college. Crane approaches a formal definition of the invisible college indirectly stating that “a research area is a communication network or ‘invisible college’ that links groups of collaborators [the links being] their leaders who communicate with each other and transmit information informally across the whole field” (35); she also uses the phrase ‘social circle’ to describe these groupings. Asking “whether scientific communities and variations in communication patterns among scientists actually affect the development of knowledge” (11), she first identified two different groups of subject specialists, then solicited information about their social network through their collaborations, influences, and those with whom they discussed their research. The references given (cited) in their publications were examined as “an *approximate* rather than an *exact* measure of intellectual debts” (20; italics added). Her conclusions were that the social relationships and professional interactions of the scientists (their ‘invisible college’) contributed to the growth of knowledge in their research areas, that the invisible college was influential in the selection of problems to research, and that it was important in the diffusion of the resultant knowledge. Further, the position (central or peripheral) of an individual within the network of relationships in a specialty area had an effect upon the individual’s ability to access information particularly when seeking information in areas outside the formal scholarly communication structure of that specialty area.

Crane borrowed the name and the concept of the invisible college from the sociologists of science **Price and Beaver (1966)**, among other publications), whose description of same, in the sciences at least, is often quoted:

The basic phenomenon seems to be that in each of the more actively pursued and highly competitive specialties in the sciences there seems to exist an 'ingroup.' The people in such a group claim to be reasonably in touch with everyone else who is contributing materially to research in this subject, not merely on a national scale, but usually including all other countries in which that specialty is strong. The body of people meet in select conferences (usually held in rather pleasant places), they commute between one center and another, and they circulate preprints and reprints to each other and they collaborate in research **(1011)**.

Cronin (1982), in his critique of the invisible college concept, says that "frequent use of the expression invisible college naturally encourages reification, but it is perhaps more helpful to think of the invisible college as an optional feature of a developing research field or an ancillary communication conduit in a mature discipline" and that "the concept, though difficult to pin down, is not a chimera [though] an agreed or standardized definition is lacking" **(216)**. Like Price and Beaver, and Crane, he emphasizes the importance of relationships between researchers. He stresses that the linked networks of individuals within and between fields need to be exposed by methods sociometric (e.g., questionnaires), microsociological (e.g., participant observation, interviews, case histories), and bibliometric (e.g., citation analysis). Cronin describes a

'typical' invisible college whose members are "individualistic, geographically scattered and dominated by a few central figures; participation is voluntary and turnover often high" (226). Describing them as informal communication networks, he notes that "membership of a healthy network (one in which there are many weak bridging ties with cognate fields) can provide current awareness, reduce the likelihood of unintentional duplication of research, stimulate an individual's sense of group belongingness and provide insights into activities in contiguous subject fields" (227).

Chubin (1983) published an annotated bibliography of more than 400 studies of the invisible college concept in the decade after Crane, a bibliography which listed materials devoted to the concept in general and as detected or studied in the physical, biomedical, and social sciences, though none of these studies concerned the traditional arts or humanities. Having immersed himself in the research for this bibliography, he subsequently wrote in an article that researchers used a variety of terms to discuss what he called 'specialties': "social circle, research area, community, cluster, network, problem area, problem domain, cognitive region, invisible college, sub-discipline, subfield, coherent group, paradigm group, theory group, and school of thought" (**Chubin 1985: 225**). He then threw into the ring yet another potentially useful term, "research circles" (**1985: 226**) saying that:

Researchers *do* run in research circles—sometimes simultaneously in two or three, often sequentially over the course of a career, frequently forming new and breaking old circles as they go. Research circles are also cosmopolitan and international, as well as regional and local. They vary in the extent of their visibility and

collegiality, to 'members' and 'nonmembers' alike, and are fluid structures in that no rosters are maintained or inventory of acceptable problems publicized. They are, like other social systems systematic and capricious in how they operate, whether they develop, and what they achieve. They are also ephemeral, and that may be their most intriguing feature. (226; italics in original)

Based on his extensive reading of the literature Chubin concluded that “*interaction through the literature* is still how invisible colleges first gain visibility and research circles open to new influences. Any student of science should welcome such interaction, and indeed, devise ways of consolidating unobtrusive methodologies with participant-centered ones” (Chubin 1985: 245-246; italics added). Chubin, like Cronin before him, called for a mix of methods rather than reliance on a single method to study what often was called, for lack of consensus, the invisible college.

Others have followed in the nomenclatural and definition-providing footsteps of Price and Beaver, Crane, Cronin, and Chubin, to add their suggestions to the pool of terms to describe less than discipline-wide groups of scholars. Morris and Van der Veer Martins (2008) suggest “research specialties” which seems appropriate to use for scholarly groups with their definition echoing previous invisible college related discussions, particularly that of Price and Beaver: “Research specialties consist of relatively small self-organizing groups of researchers that tend to study the same research topics, attend the same conferences, publish in the same journals, and also to read and *cite each others' research papers*” (2008: 213; italics added). Taking a more

general view than the scholars previously mentioned, and evoking such disparate groups as tribal members around a cave fire, medieval guilds, nurses on a ward, street gangs, and engineers interested in brake design, **Wenger (2000)** proposes the phrase “communities of practice” which seems a very flexible term, useful in many group situations, scholarly and otherwise. He describes communities of practice as “the basic building blocks of a social learning system because they are social ‘containers’ of the competences that make up such a system” **(2000: 229)**. Wenger focuses on the concepts of enterprise, mutuality, and repertoire; members of a community of practice share a collectively developed understanding of the community which holds them accountable to a sense of joint enterprise, enterprise which they build through interaction and development of community norms and “relationships of mutuality”, and through the creation of a “shared repertoire of communal resources—language, routines, sensibilities, artifacts, tools, stories, styles, etc.” **(229)**.

Studying Academic Collectivities: As recommended by **Cronin (1982)**, **Chubin (1985)**, and others, **Lievrouw, Rogers, Lowe, and Nadel** too recommended, then demonstrated, the mixing of “a complementary set of techniques in a coordinated methodology that emphasizes comparison of the different results” **(1987: 222)** in their study of the “invisible college-type network” **(231)** of lipid metabolism biomedical scientists. They used a blend of co-word analysis, literature review, bibliometric co-citation analysis, mailed questionnaires, face to face and phone interviews, and a sociometric roster of the scientists to generate a list of the members of their study group. Then they gathered data on the backgrounds, influences, interests, present and

planned research, and the communication patterns and channels between the individual scientists in the group. While admitting that missing respondent data had an impact on the actual results, they were “confident that the triangulation strategy for identifying and contextualizing communication networks among research scientists is an internally consistent and reliable approach to the problem” (242) despite the disadvantages of being resource-intensive both in research support and time, as well as yielding ‘messy’ results from the multiple sources of data and different analytical techniques.

Lievrouw (1990) continued her examination of the invisible college concept and critiqued previous studies, including **Crane**, for confounding the *structure* as revealed by bibliometrics with the *process* as revealed by actual communication. She says that **Crane** “proposes that invisible colleges are informal structures that serve as conduits for both formal and informal communication; yet she [Crane] implies that such informal structures can grow only from preexisting formal structures” while “[Crane] uses citation data as evidence of the informal communication relations among her subjects” (64). Contending that **Crane’s** invisible college legacy is a term which “denotes an informal communication *process*, yet researchers look for it in formal social structures and documents” (66; italics in original), Lievrouw asks if “a more coherent definition [would] help to reestablish communication as the central concern in invisible college studies as well as other social studies of scholarship” (66).

She proposed a revised definition of the invisible college as “a set of informal communication relations among scholars or researchers who share a specific common interest or goal” (66), a definition which downplays the need for formal institutional structures or geographic distance and refocuses it on scholarly communication research

issues. These issues include the types of communication behaviors that produce an invisible college, the effects of time on these communication processes, the insiders and outsiders perceptions of interactions within and outside the invisible college and of the closeness and cohesion of the members, and the use scholars make of their invisible college(s) for satisfying information needs and scholarly communication (66-67). In harmony with her earlier (1987) recommendation about the triangulation of methods to strengthen research results, she says that this revised definition does not preclude the use of bibliometric techniques which can “provide clues about the existence of an invisible college” (67) or which may permit “us to construct ‘maps’ of documents [to give] a systematic glimpse of the communication acts that produced the documents in the first place” (68). She suggests that the use of ethnographic techniques such as participant observation, interviewing, and discourse analysis (68) should be used to deepen understanding and “make more powerful interpretations of the quantitative analysis of [the] communication artifacts” of this scholarly communication within invisible colleges.

In a trio of publications comparing aspects of articles published in the year 2000 in a group of twenty higher education journals from North America, the UK, Europe, and Australia, **Malcolm Tight (2006, 2007, 2008)** applied both **Becher and Trowler’s** tribes and territories analytical framework of academic disciplines and **Wenger’s** communities of practice concept primarily through the use of various bibliometric methods. Having previously “focused upon the identities and locations of the authors of the articles, the themes or issues being studied, the methods and/or methodologies applied, the levels at which the analyses have been pitched [e.g. course, institution, nation, etc.], and the

theoretical explicitness of the analyses” (2008: 593), Tight’s third article reported the results of a co-citation analysis of the references given within his pool of source journal articles published in 17 higher education journals in the year 2000.

Concentrating on the 24 most highly referenced (cited) authors he discovered his list to be an international but entirely masculine one, lacking in the earlier first generation of higher education researchers, and that the 14 most highly cited works contained no journal articles, only books and national reports on higher education (598-600). Using data from the citation analysis to study co-citation pairings of the most highly cited authors, he found that while they had been referenced individually in nearly half of all the articles in his sample, only a quarter of the articles contained one or more pairs of his highly-cited subject authors (601). Using the data from the co-cited pairs, he presented a diagram with a “possible structuring of the higher education research community/tribe” showing these scholars to be clustered into two groups with “largely separate research and writing interests” and with several individuals appearing to act as bridges, or ties, between the groups. From analysis of the references (citations), he also noted that the “different groups . . . had their own key journals (resources) to read and publish in” (603), though he did not provide a structure diagram or data for this in the 2008 article.

Tight concluded that the tribes and territories and the communities of practice frameworks seem self-evidently applicable to aid in the understanding of higher education research, and says that “we can indeed see higher education research as ‘a partially explored territory through which a variety of tribes traverse’ while simultaneously being ‘a series of, somewhat overlapping, communities of practice’”

about which one may start to discuss “their norms and relationships of *mutuality* and their *shared repertoire* of communal resources” (604; italics in original). He concludes, as Cronin, Chubin, and Lievrouw et al. before him, that “more and different kinds of analysis are needed”, particularly using qualitative methods to flesh out the pictures, and “to better map the relationships within and between tribes, and to articulate their sense of *joint enterprise*” (604; italics in original).

3.1.2. Marauder’s Map: Literary and Humanist Scholars and Their Information-related Behaviors and Needs

Scholars research topics in their subject areas or disciplines and then publish the results of their researches whether by presenting at conferences or on podcasts, or by formalizing their results by writing articles or books. Generally, these more formal publications include identification of the prior or related research on the topic at hand through the use of works cited lists and/or foot- or end-notes, depending upon the bibliographic style preferences of the discipline, field, publication, or publisher. While humanities scholars may amass personal collections of previous or associated research in their area(s) of focus, few will have physical or digital copies of all the preceding materials which they study or to which they wish to refer. Thus, these scholars are likely to rely at least in part upon the resources found in the collections of libraries, archives, and other sources of information and data to fill lacunae in their personal collections. How scholars, and others, seek or identify the information or resources that will satisfy their needs, act to acquire or access same, and make use of these

resources, are studied under the collective term of information or information-related behaviors (see **Case and Given 2016** for an overview of research in this area).

Information Behaviors: The library and information studies (LIS) universe of research contains at least a galaxy's-worth of publications devoted to a range of these information-related behaviors. Those publications devoted to the information behaviors of scholars and other researchers focus primarily on scientists and secondarily on social scientists; compared to these, the number of studies devoted to the information behaviors of humanities scholars constitute but a small backwater solar system. There are some studies of the information-related behaviors of (capital L) Literature scholars and graduate students, particularly their use of information resources, such as those by **Budd (1985, 1986a, 1986b)**, **Chambers and Healey (1973)**, **Chu (1992, 1999)**, **Cullars (1985, 1988, 1989, 1990)**, **Gleaves (1960)**, **H. E. Green (2014)**, **Hammarfelt (2011)**, **Heinzkill (1980, 2007)**, **Knieval and Kellsey (2005)**, **Nolen (2010, 2014)**, **Nolen and Richardson (2016)**, **Slutz (1997)**, **Stern (1983)**, **Weedman (1993)**; and **Wolfe Thompson (2002)**. Likewise, there are studies of historians, e.g. **Case (1991a, 1991b)**, **Cole (1998)**, **Delgadillo and Lynch (1999)**, **Duff and Johnson (2002)**, **Hérubel (1990a, 1990b, 1991a)**, **Sinn and Soares (2014)**, **Stieg (1981)**, **Stieg Dalton and Charnigo (2004)**, and **Tibbo (2003)**; of philosophers and religious scholars, e.g., **Ahlgren et al (2015)**, **Bronstein (2007)**, **Buchanan and Hérubel (1993)**, **Cullars (1998)**, and **Hérubel (1991b)**; and of scholars in the arts, e.g., **C. Brown (2002)**, **Cullars (1992, 1996)**, **Dowell (1999)**, **Simonton (1960)**, and **Stam (1997)**. The most numerous studies in this relatively small research area are those devoted to

humanist scholars in general, e.g., **Barrett (2005)**, **Bates (1994, 1996a, 1996b)**, **Bates, Wilde, and Siegfried (1993, 1995)**, **Bebout, Davis, and Oehlerts (1975)**, **Broadbent (1986)**, **Broadus (1989, 1990)**, **Brockman, Neumann, Palmer, and Tidline (2001)**, **P. Butler (1940)**, **Case (1986, 2012: 297-301)**, **Case and Given (2016: 291-295)**, **Corkill and Mann (1978)**, **Corkill, Mann, and Stone (1981)**, **Covi (1996, 1999)**, **Ellis and Oldman (2005)**, **Fulton (1991)**, **Given and Willson (2018)**, **R. Green (2000)**, **Guest (1987)**, **Hellqvist (2010)**, **Immroth (1974)**, **Kellsey and Knievel (2004)**, **Neumann (2001)**, **Palmer and Neumann (2002)**, **Pandit (1992)**, **Siegfried, Bates, and Wilde (1993)**, **Stone (1982)**, **Trace and Karadkar (2017)**, **Watson-Boone (1994)**, **Wiberley (1991, 2010)**, and **Wiberley and Jones (1989, 1994, 2000)**. None of these studies discusses popular culture scholars in general, nor fantasy and science fiction scholars in particular.

Of these studies of humanities scholars, and in relation to the concept of the invisible college, **Weedman** studied what she called an invisible college of children's literature scholars. Her survey with 123 respondents focused on the importance to them of their informal and personal communication behaviors with other scholars in the field, with colleagues in their own and other fields and their own and other universities, and with non-scholars when formulating ideas or wrestling with problems in their own scholarly productions, or as a stimulus for their work. She identified fourteen scholars who met her criteria for an invisible college: "greater than average contact with others in the field" and "contacts with one another", as well as many of them and their works being considered influential on the thinking of many of the respondents. From this perspective, she concludes that "far from being isolated, this group of humanities

scholars communicates on multiple dimensions. Scholars do read primary sources and think about them; interwoven with the primary sources are journal articles, monographs, and personal conversations.” (1993: 760, 767, 770, 771).

Many of these humanities-oriented studies refer to, confirm, or elaborate upon the initial speculations made by **Bebout, Davis, and Oehlerts (1975)** in one of the earliest LIS publications devoted to the information-related behaviors of humanities scholars. **Bebout et al.**'s initial overview of early user studies in the humanities found several citation studies of a variety of humanities fields mostly based upon examinations of the materials used and references made in theses and dissertations, as well as more general library use studies which provided statistics and other information broken out by discipline. Most importantly, **Bebout et al.** provided a chart with a “generalized profile of information-seeking behavior” (43) of the scientist and social scientist combined with their own hypotheses about the behavior of the humanist; they also called for more studies of those working in the fields of the humanities.

One might summarize the information behaviors of humanists in general by combining the original speculations of **Bebout, Davis, and Oehlert** with the additions and the overlapping and confirmatory findings of those scholars who answered their call for further research as found in the studies noted in the paragraphs above. Humanities scholars, generally:

- a. *work alone* without assistants generally, or only with an assistant who fetches known items from the library and photocopies or downloads them;
- b. therefore, they *rarely co-author* books, articles, or other scholarly productions, though they may work together with others on certain projects;

- c. *gain expertise* by reading, reading frequently, and re-reading;
- d. *approach their research* by names of individuals, places, or events, by national or ethnic groupings, by dates and time periods, by forms or genres, or by themes;
- e. *know in depth* the primary and secondary materials in their particular area of expertise;
- f. *use a great diversity of materials*, primary and secondary, over a very wide chronological range, contemporary to the scholars and contemporary to their subjects, both within their own subject domain and outside of it;
- g. *identify materials* through bibliographies of all kinds (print and electronic, general and specialized), indexes and abstracts (both print and electronic), book reviews, and publishers' announcements;
- h. *chase footnotes* (backwards in time) from other sources to identify materials, and *citation chase* (forwards) to identify more recent related materials;
- i. *use online catalogs* especially to locate known items;
- j. *use online finding aids* for archives and special collections, particularly in preparation for visits to same;
- k. *view libraries and archives as their 'laboratory'* but also develop extensive personal collections of books, articles, journals, photocopies, photographs, PDFs and other digital texts, media materials, microforms, etc., in support of their own research interests;

- l. *need to browse*, both the shelves in the library, and the contents of the books and journals that they find there, not only looking for particular subjects but also for serendipitous discovery;
- m. *are willing to travel* to collections in libraries, archives, historical societies, and elsewhere to locate necessary materials;
- n. *use personal contacts* (colleagues near and far, special collections librarians and archivists) in person, at conferences, by telephone, and via mail, email, and internet-based discussion groups and mailing lists to identify materials and with whom to discuss their research;
- o. *consider humanities scholarship as a cumulative endeavor*, an ongoing conversation between the scholar and the subject materials and between the scholar and previous scholars; and
- p. *adopt, adapt, and use electronic technology deliberately* (word processing, spreadsheets, email, listservs, websites, texting, scanners and digital cameras, data mining and data visualization tools, etc.), as it is suitable to, and helpful for, their scholarly needs and work habits.

From this cumulated list of findings those that seem most directly pertinent to this study are related to solo vs. co-authorship (a. and b.), to the knowledge of scholars and the range of materials used in their scholarship (c.-f.), and to the resources both personal and institutional (g.-n.) of which they make use for identifying materials and for laying hands and eyes thereupon.

Citing Behavior in General: With a topic in mind, and having identified and accessed potentially useful resources, both primary and secondary, immediately at hand or found in a library or archive local or far, far away, having considered the collected materials in relation to the topic, the scholar arranges and rearranges thoughts and ideas about the topic. At some point in this process, earlier or later depending upon personal and professional habits of mind, the scholar begins to marshal these thoughts and ideas into a manuscript of fragments and notes, sentences and paragraphs, perhaps an outline of the arc of the argument to be made, and in so doing also begins to document the sources which are quoted or otherwise used as the text develops. This documentation generally takes the ultimate form of references found in foot- or end-notes and in works cited lists.

Documentation, the practice of citing, creates the basis upon which citation studies depend. Intertwined with the study of the references or citations in scholarly publications has been the question of why scholars give references to, or cite, the things they reference. While there have been a number of studies of and theoretical meditations upon this topic, e.g., **Amsterdamska and Leydesdorff (1989)**, **Cozzens (1989)**, **Cronin (1981, 1984, 1998)**, **Leydesdorff (1998)**, one of the most succinct is probably that of Eugene **Garfield**, whose view of citation practice was shaped by his long association with scientists and with scholars of bibliometrics. He identified “fifteen major reasons for citation”:

1. Paying homage to pioneers.
2. Giving credit for related work (homage to peers).
3. Identifying methodology, equipment, etc.

4. Providing background reading.
5. Correcting one's own work.
6. Correcting the work of others.
7. Criticizing previous work.
8. Substantiating claims.
9. Alerting researchers to forthcoming work.
10. Providing leads to poorly disseminated, poorly indexed, or uncited work.
11. Authenticating data and classes of fact—physical constants, etc.
12. Identifying original publications in which an idea or concept was discussed.
13. Identifying the original publication describing an eponymic concept or term as, e.g., Hodgkin's disease, Pareto's law, Friedel-Crafts Reaction, etc.
14. Disclaiming work or ideas of others (negative claims).
15. Disputing priority claims of others (negative homage). **(1996: 451-2; based on his 1965)**

Garfield goes on to say that one should “note, however, that the phrase ‘acknowledging intellectual debts’ is not specifically mentioned although implied by the first two reasons listed” **(452)**. **Cronin (1984)** supplemented Garfield's original list with citational taxonomies from a number of other students of citation practices.

But why, and when, do humanists in particular cite?

Citing Behavior of Humanists: To attempt to answer this question, one might think of turning to those touchstones of modern humanistic citation practice, the **Modern Language Association's** *MLA Handbook* aimed at students (**2009** [7th ed.], **2016** [8th ed.]; originally **1977** [1st ed.]), or the *MLA Style Manual* aimed at professors and dissertation writers (**1985, 2008**), both of which have their roots in “**The MLA Style Sheet**” (**1951**). One would search in vain for a detailed listing of why or when to cite such as that presented by Garfield or those gathered by Cronin. The earliest formal recommendation is a simple why and how statement: “In general, citations of sources for statements of fact or opinion, or for quoted matter, should be kept as concise as the demands of clarity and complete accuracy permit” (“**MLA Style Manual**” **1951: 14**). A third-of-a-century later the first edition of the book-length *Manual* answers the question of “What to document” with “In scholarly writing, everything derived from an outside source requires documentation—not only direct quotations and paraphrases but also information and ideas” (**1985: 163**). The newest *Manual* aimed at professors and advanced graduate students describes “the purposes of documentation” with a more expansive statement:

Scholarly authors include documentation in their works to fulfill several aims. The first is to acknowledge the sources considered in the preparation of the work. Scholarly authors generously acknowledge their debts to predecessors by giving credit to each source. Whenever scholars draw on another's work, they *specify what they borrowed*—whether facts, ideas, opinions, or quotations—and *where they borrowed it from*. A second aim is to

provide readers with the description of key features of each source: such qualities as authorship, medium of publication, date of publication, and the identity of the publisher are important for understanding the nature of a source and how the author encountered it. Finally, authors aim to invite the reader to locate and examine the sources they use. **(2008: 164; italics added)**.

More than half-a-century after the initial “Style Sheet” the basic recommendation in the *Handbook* aimed at students was somewhat embellished, but retained the essence of the original: “Academic standards require all writers to acknowledge the authors whose work they use when preparing papers and other kinds of studies and reports” (***MLA Handbook*, 7th ed., 2009: 54**) included in the section on plagiarism; and later, in the section on documentation proper:

In presenting their work, researchers generously acknowledge their debts to predecessors by carefully documenting each source, so that earlier contributions receive appropriate credit and readers can evaluate the basis for claims and conclusions. . . . And whenever you draw on another’s work, you must also document your source by indicating what you borrowed—whether facts, opinion, or quotations—and where you borrowed it from (***MLA Handbook*, 7th ed., 2009: 126**).

The most recent student-oriented ***MLA Handbook* (8th ed., 2016)** steps back from the previous edition and its detailed rules for referencing specific types of materials to provide a set of “universal guidelines” **(3)** for creating references. It answers their “Why

Document Sources?” question by emphasizing that “Academic writing is at its root a conversation among scholars about a topic or question” and that scholars “seek out relevant publications, to learn from and build on earlier research . . . [and that] they incorporate, modify, respond to, and refute previous publications” (5). The MLA underscores that each professional field or discipline has its own conventions for writing and that these conventions, including documentation, are both an element of academic integrity and an indication of the writer’s competence (5-6).

Another potential source for discovering why and when literary scholars cite might be those compilations designed as textbooks for classes in the formation of graduate students in literary studies. Six titles in ten editions were consulted, four titles in vain (**Beaurline 1966; Gibaldi 1981; Thorpe 1963, 1970; Zitner 1966**), and two with modest success (**Sanders 1952; Altick 1963, 1975, and Altick and Fenstermaker 1981, 1993**). The earliest of these, **Sanders (1952)**, making suggestions to the potential writers of theses, states that “. . . there is no more merit in a mere multiplicity of footnotes than there is a multiplicity of pages. There should be a footnote wherever one is needed and nowhere else” (299). He continues by noting that footnotes:

fundamentally . . . serve two purposes: to give the source of a bit of information contained in the text, and to supplement or amplify the text. [As for the first,] once the student realizes that he is expected to provide a footnote to every idea and every bit of language that did not originate in his own mind, all that is necessary is to put down the source of every bit of information based on reading as

soon as it has been transferred from the note-slip to the text **(299-300)**.

Sanders' first purpose identifies bibliographic footnotes, his second tends to be for information that may be illustrative or supplemental to the text but which do not belong in the main flow of the text. **Altick (1963, 1975)** and **Altick revised by Fenstermaker (1981, 1993)**, the four editions of whose *The Art of Literary Research* was used for the induction of several generations of Literature graduate students, addresses the same issues as Sanders, in phrasing which differs only slightly between the first two, and the last two of his editions:

Footnotes, it is said, are for use, not ostentation. They have two purposes. 'Documentary' footnotes provide readers with the source of all the facts, as well as of the opinions that are not original with the writer, so that if they are at all skeptical, they can check for themselves. Moreover, notes are an indispensable courtesy to later scholars who may wish to utilize some of the material and need clear directions as to where to find it. 'Substantive' footnotes allow the writer a place to put incidental but relevant comment that would interrupt the flow of discourse in the text proper. **(1993: 243)**

The bibliographical style manuals and some textbooks thus echo many of **Garfield's 1996** list of reasons for citation.

For humanists then, referencing or citing is part of the dialog or conversation between scholars and the materials of their scholarship. The style manuals and those who educate future scholars make it appear to be a simple matter of documenting the

specifics of those sources used, thereby acknowledging the source of quotations, facts, and other texts of which the scholar has made use in the preparation of her or his own manuscript, as well as acknowledging the lineage of ideas not original to the referencing (citing) scholar. Even **De Bellis** whose text is devoted primarily to the use of bibliometrics for the examination of science recognizes the importance of citation to the humanist:

In the humanities, and particularly in historical and philological disciplines, where footnote tracing from current and past literature is still the most popular retrieval technique, the accuracy of bibliographic references and the mastering of an appropriate citation style certify the author's full membership in a professional community. **(2009: xviii)**

Whether or not the giving of references (citations) is quite as simple as the dictates of the MLA style recommendations make them seem, the formal and informal references that will be found in the texts that serve as the source documents for this study will be taken at face value. They will be considered to identify either the primary creative texts under study, and, in a later study, those secondary resources upon whose words, facts, opinions, or ideas the scholar-author has drawn or has interacted with in some fashion. That literary and other humanities scholars do cite and do acknowledge others is unquestioned; any probes as to the deeper meanings of why and how they do so in specific situations will need to wait for future, qualitative, studies, not this one.

3.1.3. Starfleet Academy: Fantasy & Science Fiction Studies

So, is Fantasy & Science Fiction Studies a discipline? Perhaps it is a specialism or a research specialty; maybe it's an invisible college or a community of practice or one or more of the myriad terms proposed by scholars noted in section 3.1.1. above. And, regardless of nomenclatural classification, how might one study the scholars who research and write about fantasy and science fiction?

3.1.3.1. *Erewhon: F&SF Studies: A Discipline?*

Can the 'tribe' of Fantasy and Science Fiction Studies scholars together with its 'territory' or subject knowledge be considered a discipline by **Becher and Trowler's** criteria or do they constitute a smaller specialty or specialism, an invisible college, or a community of practice within (an)other discipline(s) or between disciplines? **Becher and Trowler** say that a discipline has several common features such as an organizational structure with "fully-fledged departments" in academic institutions and "a freestanding international community . . . with its own professional associations and specialist journals" (**2001: 41**). By these criteria, is F&F Studies a discipline? In short, not yet, or at least, not completely.

At present, there is an academic center devoted to F&SF at the University of Kansas founded in 1982 which sponsors a teaching institute, a writer's workshop, and a small annual conference; it is associated with the KU English department where SF courses have been offered since 1970, originally by Professor James Gunn, an SF author, scholar, and teacher ("**J. Wayne**" **2009**). There are also the Speculative Fiction and Cultures of Science program (originally, Science Fiction and Technoculture

Studies) at the University of California, Riverside, finally founded in 2013, and the Center for Science Fiction and Fantasy at Anglia Ruskin University in the UK (**Anglia Ruskin n.d.**; **E. Brown 2013**; **Latham 2009a**; **“Science Fiction and Technoculture” n.d.**; **“Welcome” n.d.**). There are several dozen active academic library special collections (e.g., **Hall 2004, 2006**), and the libraries and many others house the many thousands of theses and dissertations (**Swigart 2004**) devoted to the subject. There are several master’s and doctoral programs in science fiction and/or fantasy located in the English department at the University of Liverpool whose Sydney Jones Library Special Collections department houses the Science Fiction Foundation Collection, at UCR which has a “Designated Emphasis’ (DE) at the PhD level and an undergraduate minor”, the Fantasy MLitt degree within the English Literature program at the University of Glasgow, and the Science Fiction and Fantasy MA postgraduate program at Anglia Ruskin University (**Anglia Ruskin 2016**; **Sawyer 1996**; **U of Glasgow n.d.**; **U of Liverpool n.d.**; **“Welcome” n.d.**). While there is a Department of Popular Culture at Bowling Green State University, which is devoted to all aspects of popular culture including science fiction and fantasy, there is, as yet, no separate, fully-fledged, Department of Fantasy and Science Fiction Studies, so F&SF Studies fails to meet that particular **Becher and Trowler** criteria for disciplinaryity. Departmental status may never occur and proponents of F&SF studies may need to be content, as are many cross-, multi-, or inter-disciplinary areas in the academy, with program status or with a center or centers, as UCLA has its Centers for Medieval and Renaissance Studies, 17th and 18th Century Studies, and Modern and Contemporary Studies.

Fantasy and Science Fiction Studies is coming along nicely, however, on **Becher and Trowler**'s second major criteria of disciplinarity by having a freestanding international community with associations and journals. Scholars in this area have at least five scholarly organizations with which to affiliate: International Association for the Fantastic in the Arts, Mythopoeic Society, Science Fiction Foundation, Science Fiction Research Association, and the Society for Utopian Studies. While the SF Foundation initiated an annual "George Hay Lecture" series in honor of one of their co-founders, the other four of these organizations offer regular annual conferences, and there are occasional 'one-off' special conferences devoted to science fiction and/or fantasy, and F&SF panels or tracks in other scholarly conferences.

There are at least eight English-language scholarly journals published at more or less regular intervals: *Extrapolation*, *FemSpec*, *Foundation*, *Journal of the Fantastic in the Arts*, *Mythlore*, *Science Fiction Film and Television*, *Science Fiction Studies*, *Utopian Studies*, plus the annual *Tolkien Studies*, the irregularly published ninth scholarly journal *Science Fiction: A Review of Speculative Literature* out of Australia and the *New Ray Bradbury Review*, as well as a variety of non-English language oriented F&SF scholarly journals. There are, in addition, a variety of published conference proceedings, the usual organizational newsletters and online listservs, and several publishers' series devoted to F&SF topics. The journals and conference proceedings with their articles and essays, their stylistic citation practices of footnotes and references given and citations received, are elements of the formal scholarly communication network described as part of a discipline by **Becher and Trowler (2001:**

26, 114-116), and by **Chubin (1985: 226)** and **Crane (1972: 20)** as sites of interaction in a research circle or an invisible college.

As discussed by **Crane (1972)**, **Cronin (1982: 227)**, and **Lievrouw (1990: 66-67)**, the conferences themselves, the organizational newsletters, the electronic discussion lists, and emails between individuals, all provide more informal places for sharing and the exchange of knowledge, information, and ideas, for conversation, discussion, collaborations, and for the development of social and professional relationships and group cohesion and for **Wenger's** mutuality and "shared sense of joint enterprise" (**2000: 229**) amongst and between those who normally may be widely separated by geography, especially in days when travel moneys may be tight or non-existent. Projects such as the **Science Fiction & Fantasy Research Database (n.d.)** developed by librarian Hal **Hall** (Texas A & M University, College Station), the **Internet Speculative Fiction Database**, "a community effort to catalog works of science fiction, fantasy, and horror" (**1995-date**), and the KU Center's sponsorship of the website **About SF (2006)** which hosts information about educational and library resources are jointly created and shared resources also are jointly developed or maintained with members of the community. There are publications such as the serious but not academically-affiliated *New York Review of Science Fiction* which publishes serious and well-informed essays by academics and non-academics alike, as well as the academic tracks within the programming tracks of the annual World Science Fiction Convention, Wiscon, and some of the other F&SF fan-oriented conventions which are also places for the development of communal resources or for discussion between the academic and non-academic communities interested in the fantastic.

While F&SF Studies may never become a discipline in the sense that term is understood in the academy, from the foregoing, how should one describe the collectivity of F&SF scholars? For some form of collectivity it surely is, based on one's own personal and very informal and incomplete knowledge and the evidence of a variety of scholarly activities. Should one describe it as a cluster, a cognitive region, a coherent group, a community (of practice), an invisible college, a network, a paradigm group, a problem area, a problem domain, a research area, a research circle, a research specialty, a school of thought, a social circle, a specialization, a specialty, a sub-discipline, a subfield, a theory group? All of these terms have been suggested by the aforementioned scholars of disciplinarity. While F&SF Studies may not be a discipline, it is likely to be at a minimum a specialism as **Becher and Trowler** describe it, with "identifiable and coherent properties of *subsidiary areas* within one disciplinary domain or another" (2001: 65; italics added), though personally I should not limit it to being a subsidiary area in any *one* discipline, but of many disciplines devoted to the various language- or nation-based literatures and to the arts and media studies, and of small niches within a number of the social science disciplines. Whatever one may end by calling it, it is hoped that this dissertation study will add to the foundation of description of this community of scholars through the use of unobtrusive methods as recommended by previous researchers.

While I am quite partial to Becher and Trowler's evocative phrase of 'academic tribe' and to Wenger's cosier 'community of practice', it might be more appropriate for this group to be an "unseen university" (*pace* Terry Pratchett). *Ook!*

3.1.3.2. *A Scholar of Magics: Studying F&SF Scholars and Their Information-related Behaviors*

Since at least the day the American Library Association published the first edition of the *Guide to the Study and Use of Reference Books*, by Alice Bertha Kroeger (1902), librarians have been providing advice and lists for each other as guidance in the development of the collections within their care (**Winchell 1967, v**). There have been articles and books in the professional literature since **1969 (Bowers)** providing such guidance and recommendation lists aimed at academic librarians wishing to develop their collections of primary and secondary materials in support of courses, curricula, and research in the then newly-burgeoning area of fantasy and science fiction, in particular through the five editions of Neil **Barron's *Anatomy of Wonder* (1970, 1973, 1976, 1981, 1987, 1995, 2004)** and through **Burgess's (1992)** and **Burgess and Bartle's (2002) *Reference Guide to Science Fiction, Fantasy, and Horror***. But what do the thousands of scholarly journal articles and hundreds of books tell librarians and archivists about these scholars and their need for information resources which the collectivity of libraries, archives, and other cultural resource institutions should jointly be prepared to fulfill, and not only for the scholars themselves but for their students and other interested persons as well?

To study specialisms, disciplines, research circles, and such, scholars as noted above (e.g., **Cronin 1982; Chubin 1985; Lievrouw et al. 1987; Tight 2008**), recommend as ideal a mix of methods both quantitative and qualitative. Were there world enough and time, this dissertation too would use a mix of methods to study these scholars and their information needs, but, there is not. Therefore, this already too

extended project shall focus upon several bibliometric methods, principally citation analysis, to examine primarily the journal *Extrapolation*, its contributors, and the development of their use of creative works in their articles in the first fifty years of *Extrapolation* as indicative of some of their information needs and of one thread of the development of F&SF scholarship. This study will attempt to expand our knowledge of aspects of these scholars' information-related behaviors, particularly their information resources usage and citing behaviors, as outlined above (section 3.1.2.) in the schema based on **Bebout, Davis, and Oehlerts (1975)** and those scholars who followed in their footsteps, namely the frequency of co-authorship, and their knowledge of and the diversity of materials used, especially primary, over a very wide chronological range, contemporary to the scholars and contemporary to their subjects. Their use of other secondary materials and of other methods to study these scholars will, of necessity, need to wait.

And what are these bibliometric methods?

3.2. *A Fall of Moondust, or, The Sands of Mars: Bibliometrics and Citation Analysis*

Metaphorically speaking, citations are frozen footprints in the landscape of scholarly achievement; footprints which bear witness to the passage of ideas. From footprints it is possible to deduce direction; from the configuration and depth of the imprint it should be possible to construct a picture of those who have passed by, whilst the distribution and variety furnish clues as to whether the advance was orderly and purposive. So it is with citations in respect of the growth of human knowledge; they give substantive expression to the process of innovation, and, if properly marshaled, can provide the researcher with a forensic tool of seductive power and versatility. **(Cronin 1981: 16)**

What picture then shall be drawn of the science fictional and fantastic landscape from the foot(note)print evidence of these F&SF scholars? Will the landscape be as seemingly bleak as that of silent silvery Luna, or as intriguing as the rusty red Mars of Lowell, Wells, Burroughs, Weinbaum, Bradbury, Robinson, Spirit, and Opportunity?

3.2.1. *The Hitch Hiker's Guide to the Galaxy: Definitions and Literature Reviews*

Definitions & Background: The growing collection of research methods encompassed by the term “bibliometrics” gained its name in 1969 when Alan **Pritchard**

proposed its use to replace the oft-times confusing term “statistical bibliography” to describe “the application of mathematics and statistical methods to books and other media of communication” (1969b: 349). In a later bibliography on the subject (1981), based on an earlier one (1969a), **Pritchard** defined the scope of bibliometrics as:

all studies which use or discuss statistical analyses of data relating to printed communication, eg. citation studies, abstracts journals studies, publication counts, some circulation studies (since they can produce the same results as citation studies), and studies of individual elements within papers (such as research sponsorship acknowledgements). (3)

Broadus' historical survey of definitions of the term considered “more serviceable” (1987b: 374) the definition given by the *ALA Glossary* (Young 1983: 22): “the use of statistical methods in the analysis of a body of literature to reveal the historical development of subject fields and patterns of authorship, publication, and use”, while he considered “more complete” (375) the definition by **Nicholas and Ritchie** (1978: 9): “Expressed simply ‘bibliometrics’ is the statistical or quantitative description of a literature—‘literature’ taken here to mean, simply, a group of related documents. Bibliometrics furnishes possible methods by which significant features of a literature may be described and its working monitored”. **Broadus** (1987b) proposes his own definition, “one that would appear to have a degree of unity, with clear delimitations, without omitting too much that is commonly accepted as encompassed by the term” (376): “Bibliometrics is the quantitative study of physical published units, or of bibliographic units, or of the surrogates for either” (376). He continues that:

Such a definition includes any quantitative measures or analyses as applied to, e.g.:

physical items, such as number of volumes in a collection;
number of titles (bibliographic units), some of which may be multi-volume sets;
numbers of articles published in a given field over a certain length of time;
numbers of articles in journals, chapters in collected works, etc. published by, say, one person.

Surrogates that may be treated include:

cards or other substitutes for physical books that are in circulation;
references (footnotes) to bibliographic units such as monographs, chapters, or periodical articles;
shelf list entries for items, whether physically on the shelves or not.

Included could be studies of overlap, of reviews, and of books, articles, and other units according to author, publisher, subject, date, languages, format, etc. **(Broadus 1987b: 376)**

What these and other definitions of bibliometrics share is a concern for quantification of a body of communication. The quantification is numerical and statistical (e.g., counts, ranges, means, percentages, patterns, distributions, formulas), the body is bounded by a definition of its constituent elements (the subject under study),

and the communication is embodied in human-detectible forms (e.g., books, journals, dissertations, footnotes, works cited lists, films, emails, websites, etc.).

The history of the development of bibliometric techniques has been rehearsed both briefly and at great length in many publications (e.g., **Garfield 1979**, esp. Ch. 2; **Hertzl 1985, 1987, 2003**; **Broadus 1987a**; **De Bellis 2009**). While **Pritchard's 1981** bibliography on bibliometrics commences with an 1874 publication, historical sketches often begin with one or more of three publications, by **Cole and Eales**, by **Hulme**, or by **Gross and Gross**, and sometimes may include a fourth by **Cason and Lubotsky**. Zoology professor **Cole** and museum curator **Eales (1917)** published their "statistical analysis of the literature" to describe the history of comparative anatomy through a contextualization of their graphed statistical chronologies of publications (monographs/books and papers/journal articles) from the 16th century to 1860, including comparisons of the contributions of various European countries, the particular types of creatures studied, and commentary on the effect of historical events, institutions, and individuals on this history. **Hulme**, Sandars Reader in Bibliography [University of Cambridge], Some Time Librarian of the [UK] Patent Office, spoke of "statistical bibliography . . . in relation to the growth of modern civilization" (**1923: 5**); his "thesis is to ascertain and illustrate by bibliographical data various stages in the development of the mechanics of civilization . . . [and] deal[s] with it as an organic growth so far as this growth can be correlated with the recorded intellectual activities of the several periods" (**7**). Through charts and graphs he illustrated with these statistics aspects of the number of authors publishing, number of journal titles published, rankings of the fields of science by their total output, and number of journals indexed by country or region, in

various scientific fields from 1901-1913 based on the annual issues of the *International Catalogue of Scientific Literature*, and by the number of British patents granted annually from 1449-1921, including a correlation between population and patent granting both in the UK and the US.

Citation analysis has been defined as “a wide-ranging area of bibliometrics that studies the citations to and from documents” (**Diodato 1994: 33**). Using an early form of citation analysis, chemists **Gross and Gross (1927)** at Pomona College were concerned with the adequacy of the college library’s collections and wished to ensure that the collection was suitable to the needs of a curriculum in chemistry whose undergraduates were likely subsequently to pursue graduate education in the discipline. They chose the *Journal of the American Chemical Society* as “the most representative of American chemistry” (**386**), then examined the 1926 issues for the specific titles of journals referenced in the articles, the number of times each journal was referenced, the dates referenced, and the language of publication. Based on this data, they made recommendations of particular titles for purchase consideration by college libraries with suggestions as to the chronological depth likely to be needed. **Broadus** considers this “a sort of landmark citation study” noting that “[a]fter 58 years, this recommendation [of journals] seems naïve, but it did suggest the possibility of using bibliometric data in collection development” (**1987a: 128**).

Cason and Lubotsky (1936) thought “to secure a quantitative measure of the extent to which each psychological field influences and is influenced by each of the other psychological fields” (**95**). Initially limited to 36 English-language journal titles chosen with the advice of 45 respondents out of their initial list of “54 psychologists

representing practically all points of view”, they examined the 1933 issues of these journals and then constructed an interjournal, or journal-to-journal, citation matrix of references from each journal studied to each of the other journals on their list.

Eventually they dropped five titles due to a paucity of interjournal citations, and folded two monographic series into their affiliated journal titles for a final count of 28 titles.

Broadus (1987a: 129) suspects that “the authors thought their procedure original”.

These four early publications typify attributes of the bibliometrics literature that was to follow. The most common general subject of study was science and its near relation technology, as it still is with a majority of studies that apply bibliometric methods. The use of whole publications (books, patents, journal volumes as a whole) or of constituent parts (journal articles, footnotes), counting the numbers of authors, numbers of books or numbers of journals referenced, noting the associated languages and years or ages referenced, and charting the cross-references between journals in a field, all are either commonly used units of analysis or variables to be analysed. The **Cole and Eales, Hulme**, and the **Cason and Lubotsky** publications are primarily descriptive of their respective literatures, while the Gross and Gross study was overtly designed for a utilitarian purpose. Description and/or utility are common motives impelling many bibliometric studies. From **Garfield's** initial proposal for a citation index to science (**1955**) to the first publication of the *Science Citation Index* in 1964 as an outgrowth of the trial *Genetics Citation Index* of 1963, and the subsequent development of the *Social Science Citation Index* in 1973 and the *Arts and Humanities Citation Index* in 1978 (**De Bellis 2004: 37-38; Garfield 1964a, 1979**) and of other citation index like resources (e.g., *Scopus*) have flowed an unending flood of bibliometric and citation

analysis studies. The print publications and particularly the later online versions of the original citation indexes permitted an expansion of bibliometric studies and the development of additional techniques with which to view and analyse the productions of the scholarly journal publication system. These studies are still heavily weighted toward the hard and life sciences and the technical fields, but there is an increasing ballast of studies of the diverse reaches of the social sciences. Studies of the areas comprehended by the arts and humanities are still relatively few and far between, a lack which it is hoped the completion of this dissertation and later follow on studies will go some very small way toward addressing.

As varieties of bibliometric techniques were developed, and as the purposes to which these techniques were put expanded, the nomenclature describing them expanded: scientometrics, infometrics, informetrics, webmetrics, webometrics, netometrics, cybermetrics, h-index, -- a plethora of –metrics and indices, overlapping, dividing, and adapting previous techniques to new uses and to new types of publications and bodies individual and collective. Scientometrics is “the mathematical and statistical analysis of research patterns in the life and physical sciences. Some of scientometrics is simply bibliometrics applied to the sciences . . . [including] scholarly communication; information seeking behavior; and government policy as related to the sciences. Also called science of science” (**Diodato 1994: 145-146**). Webmetrics, webometrics, netometrics, and cybermetrics are used to describe bibliometric-type studies of aspects of the rapidly changing World Wide Web, aka the Internet, aka the ‘Net, aka cyberspace, this last a most science fictional term coined by William **Gibson**

for his story “**Burning Chrome**” (1982) and then further popularized by his wildly successful novel *Neuromancer* (1984).

Diodato (1994), describing informetrics, says that it is “sometimes used synonymously with bibliometrics, but considered by some to cover a larger area than bibliometrics. In the latter situation, informetrics includes all of bibliometrics as well as the mathematical and statistical analysis of bibliometric-like patterns found in other areas of life” (90-91). In her *ARIST* review on informetrics, Concepción **Wilson (1999 [2001])** reviewed the more common terms associated with this area (bibliometrics, citation analysis, librmetrics, scientometrics, scholarly communication studies). Using the results of searches for articles indexed in 11 relevant databases she charted the chronological fortunes of the terms bibliometric, scientometric, and informetric (all suitably truncated in her searches). Her graph shows that use of the first two terms starts in 1970 immediately following Pritchard’s December 1969 renaming proposal, trends generally upward, and then peaks in 1995. The use of the term informetrics begins in 1978, dawdles along at a low level for a decade then begins a rise in use that had not peaked as of 1998, and that while approaching scientometrics in use, had not yet achieved half as many uses as the term bibliometrics. She concluded that there may be a need for a “terminological readjustment” (112) and that “the replacement of ‘bibliometrics’ by ‘informetrics’ can be endorsed. Perhaps if ‘bibliometrics’ is used, it should stand for first-generation work in informetrics” (115). Since this study as planned will use primarily classic bibliometric methods such as counts and analyses of published source documents, of authors of those documents, and of the primary creative materials referenced or acknowledged in those documents, to describe a portion of the

community of F&SF scholars and their scholarship, the term 'bibliometrics' will continue to be used herein for this general range of methods.

Literature Reviews & Bibliographies: Bibliometrics in general, and specific aspects of bibliometrics, have been the focus of a number of books and of reviews in the *Annual Review of Information Science and Technology (ARIST)* and elsewhere. **Narin and Moll (1977)** produced the first *ARIST* review on bibliometrics with a focus on providing an overview on bibliometric data (publications, references, citations, and producers); on techniques (bibliographic coupling, co-citation, journal-to-journal citations for clustering and mapping, measuring influence, the impact factor); on the validity of bibliometric measures; on the laws and distributions (Bradford, Lotka, Zipf); and on the application of these techniques for librarianship and information management and for the study of science and scientists. Most of their examples came from studies on the hard, natural, and life sciences and technical subjects, some were from the social sciences, but none were from the arts or humanities. The following year saw the production of two monographic surveys of bibliometrics. **Nicholas and Ritchie (1978)** presented a clear and useful introduction to the subject, with suggestions for carrying out a study, and, like Narin and Moll provided information on aspects of data and techniques. **Hjerpe (1978)**, calling his short volume an outline, also surveyed the field and provided information useful for a novice commencing a study. The next year **Garfield** described his much cited book *Citation Indexing* as "the biography of an idea" **(1979: xi)** providing historical background on citation indexing, the design and production of what became the Institute for Scientific Information's (ISI) series of citation

indexes, and some of the uses and the future of citation indexing such as for searching, management, and writing the history of science.

Bibliometrics and some of its major aspects was probably introduced to a wider library audience with the **1981** bibliometrics special topic issue of ***Library Trends*** which contained articles on theory construction by **O'Connor and Voos**, on the laws of Lotka (**Potter**), Bradford (**Drott**), Zipf (**Wyllys**) and on the law of exponential growth (**Tague, Beheshti, and Rees-Potter**), on general models (**Hubert**), on the obsolescence of published materials (**Gapen and Milner**), and on teaching bibliometrics (**Schrader**). Most useful for many, including my younger self, was Linda **Smith's** article, a clearly laid out brief overview, critique, and discussion of applications of citation analysis. Smith described eight types of applications for citation analysis, some of which are germane to this proposed study: "literature of" studies (characteristics and patterns of the literature in a particular subject area), "type of literature" studies (specific types of publications as source documents or as referenced/cited documents, e.g., journal articles, dissertations, government documents), user studies (materials used by particular categories of information users, e.g., engineers, graduate students), historical studies (e.g., use of citations to trace the chronology of events through the evidence of publications), communication patterns (between scholars, language barriers, etc.), evaluative bibliometrics (to measure and evaluate scientists, universities, countries, etc.), information retrieval (use of citations to supplement or to improve retrieval in literature searching), and collection development. It was the 'historical studies', 'user studies', 'literature of', 'type of literature', and 'collection development' types of applications that particularly caught my attention and ultimately led to this dissertation.

The second *ARIST* review on bibliometrics appeared twelve years after the first but was more than double its length (**White and McCain 1989**). An introductory overview of general and historical accounts and of the use of “databases as censuses of publications” was followed by a discussion of the literature of core and scatter at various levels (e.g., journals, authors, descriptors, cited references)—core and scatter studies are a thread running throughout this particular review--and of recent studies of the laws of Bradford, Lotka, and Zipf. They note the usefulness of certain search commands in machine-readable (quaint term) databases for various studies. The mapping of subject literatures through document or author co-citation and through journal citation studies is covered in some depth as is the topic of the aging or obsolescence of literatures. White and McCain expand greatly on **Narin and Moll (1977)** in regard to the use of bibliometric indicators in science policy studies. The scant references to humanities-oriented bibliometric studies in this review were limited to mentions of **Budd (1986a)**, **Heinzkill (1980)**, and **McCain (1987)** in the section on the aging of literatures.

Most succeeding reviews and overviews focused on specific aspects of the field. **Egghe and Rousseau (1990)** provided an extensive, mathematically- and statistically-intensive “introduction to informetrics” subtitled “quantitative methods in library, documentation and information science.” Revising and extending a special issue of *Communication Research* (**Borgman and Paisley 1989**), editor **Borgman (1990)** presented a collection of essays by many hands emphasizing theory and perspectives on bibliometrics and scholarly communication, and included essays on and demonstrations of various methods in the field with the most germane to this study

being **Rosengren's 1990** essay on the roles of journalistic reviewers, literary essayists, and academic critics in shaping a hierarchy of fame through his examination of mentions of and references to creative writers as this current study proposes to examine informal references (or mentions) of primary creative works referenced in the texts of the source documents in addition to the formal works cited and notes sections.

Subsequent reviews relevant to bibliometrics were dedicated to the visualization of subject literatures (**White and McCain 1997 [1998]**), to the dynamics of subject literatures, their growth, diffusion, and “epidemics” (**Tabah 1999 [2001]**), to the expanded field of informetrics since **White and McCain's 1989** review (**Wilson 1999 [2001]**), to an extensive updating of **Borgman (1990)** on scholarly communication and bibliometrics by **Borgman and Furner (2002)**, to “webmetrics, the quantitative study of Web-related phenomena” (**Thelwall, Vaughan, and Björneborn 2005**), and to the approaches or “theories that have formed and/or continue to form the basic assumptions underlying citation analysis” particularly as they relate to citing behavior and to the “symbolic characteristics of citations” (**Nicolaisen 2007: 609**). The last *ARIST* review on bibliometrics, devoted to usage bibliometrics (**Kurtz and Bollen 2010**) focused on the variety of usage statistics available in the current electronic environment.

The last published relevant *ARIST* review is a useful overview on mapping research specialties by **Morris and Van der Veer Martens (2008)** who commence with an extended section on the history of studying research specialties and the current sociological, communicative, cognitive, and bibliographical (e.g., citation, co-occurrence, author co-citation, and other relationships) approaches to studying them. They continue with the characteristics of a research specialty that are important for mapping it (e.g.,

size of the specialty, core and scatter, homogeneity). Using a simple working model of a specialty, including “the researchers as a social network, the base knowledge they use, funding, informal communications, and archival literature” (24), they lay out the goals of such mapping, and the processes by which it may be done (e.g., surveys, bibliometrics of the web and of the formal literature). They develop a framework for understanding the relationships and networks between the bibliographic and physical entities of papers, references, authors, and journals, between the citing (referenced) and the cited

The most recent major overview is **De Bellis’** substantial **2009** volume on bibliometrics and citation analysis which provides not only an historical overview of the subject, but extensive background on and review of the empirical, philosophical, and mathematical foundations of the field, the use of bibliometrics for writing the history of and examining the sociology of science, measuring and evaluating science and scientists, and the rhetoric of citation. Three additional more recent and excessively expensive guides give some overview as well as directions and advice on the conduct of bibliometric studies, **Eom’s** two volumes (**2003, 2009**) on conducting author co-citation analyses, and **Andrés’** (**2009**) simplified volume advising one on “how to undertake a bibliometric study”.

Paralleling the literature reviews have been a series of useful bibliographies which should also be noted. As mentioned previously, Alan **Pritchard** published two editions of his bibliography on bibliometrics. The first (**1969a**) was devoted to a 700 item listing of materials on “statistical bibliography”; it was published half a year before he published his brief communication proposing the use of the term ‘bibliometrics’ rather

than the confusing 'statistical bibliography'. This volume, covering period 1881-1969, was devoted primarily to "citation studies, abstracts journals studies, direct literature studies with additional relevant materials on user surveys, the history and sociology of science and citation structures". More than a decade later **Pritchard and Wittig (1981)** issued the first volume of what was expected to be at least a three-volume bibliography on bibliometrics. This first volume covered materials published 1874-1959 and like its predecessor included "all studies which use or discuss statistical analyses of data relating to printed communication, eg., citation studies, abstracts journals studies, publication counts, some circulation studies (since they can produce the same results as citation studies), and studies of individual elements within papers (such as research sponsorship acknowledgements)" **(3)**. Pritchard noted having seen over 3,000 relevant items while preparing his thesis, and estimated that there were an additional 2-3,000 more items in the bibliometrics literature at the time. Unfortunately, the proposed succeeding volumes, covering 1960-1969 and 1970-1979, failed to appear.

Hjerppe (1980) supplemented his earlier 1978 outline of bibliometrics with a 2,000 item listing of everything he had identified through the end of 1979 "on citations, citation analysis, citation indexes and bibliometrics" and "studies or investigations where bibliometric techniques and citation analysis have been used as a tool or instrument", but excluded both "studies of library use and . . . and coverage of abstracting and indexing journals and services" as well as the papers collected by Eugene Garfield in his multi-volume *Essays of an Information Scientist* **(iv)**. The somewhat useful keyword index noted several studies in the humanities, but most of the items listed under the term 'literature' referred to literature in the general sense of a body of documents in a

subject area rather than Literature in the humanities sense of creative writings. **Hjerppe (1982)** later added to this volume with a list of further studies published through 1980. In a bibliography extending Pritchard's and overlapping Hjerppe's, **Sellen (1993)** expanded the list of cumulating bibliographies of bibliometrics through 1990 with a list of more than 800 briefly annotated publications usefully arranged on the Library of Congress classification scheme including 49 items in various areas of the humanities (LC classes B excluding BF, D-F, and M-P, or philosophy and religion excluding psychology, history, music, art, and languages and literatures).

Useful for the purpose of this dissertation study, though unfortunately now out-of-date, was **Hérubel and Buchanan's** well annotated and selected bibliography of citation studies in the humanities and social sciences **(1994)**. They acknowledged that bibliometric studies of humanities disciplines as a group differ in scope and emphasis from those devoted to the social sciences and to the natural sciences and technological fields, areas where "systematic accumulation of knowledge is the normative condition of research and subsequent publication" **(92)**. Stating that "where knowledge and serendipity interplay, citation studies in humanities disciplines are crucial to understanding the bibliographic record" while also noting that "debates as to the veracity of citation studies for the humanities disciplines can be a normal feature of these studies" **(92)**. Their observation that "characteristics of individual humanities disciplines can be examined with success [and that] institutional affiliation, authorship gender studies, and trends in research agenda and content can be explored through citation studies" **(92)** agrees with some of the plans for this dissertation. **Ardanuy (2013)** aims to provide an overview of citation studies by applying those very same citation analysis

techniques to a sixty year (1951-2010) collection of 162 citation analysis publications in the humanities. He charts the chronological growth of this literature, the document publication types, the professional origins of their authors, the most frequent organizational affiliations, the country affiliations of the authors, the subject area distribution, and the most important publication venues. While his analyses parallel some of those in this dissertation, the most important part of Ardanuy's work for me was the online bibliography of his study subject publications from which yet a few more items were extracted.

3.2.2. Brave New World: Critiques of Bibliometric Methods

There have been a number of publications critiquing the use of bibliometrics. They warn of those who would place bibliometrics on a pedestal not so much as a method of describing, but rather as a supposedly 'scientific' and thus seemingly objective and unbiased method for the evaluation of a subject literature, of the publications of a country or a university vis à vis other countries or universities, and of scientists and scholars individually and in research groups (e.g., **Archambault and Gagné 2004**, Ch. 3; **Australian 2005: 12-19**; **D. R. Baker 1990**; **Cronin 2005**; **Edge 1979**; **Porter 1977**). **MacRoberts and MacRoberts**, who intersperse their scientific biology papers with occasional cautionary citation analysis publications, may be the most often quoted and consistent of these critics of citation analysis (**1989, 1996, 2010, 2018**). In the earliest publication (**1989: 343**) they presented a succinct summary table of problems with citation analysis as they saw it with the following list:

1. Formal influences not cited.

2. Biased citing.
3. Informal influences not cited.
4. Self-citing.
5. Different types of citations.
6. Variations in citation rate related to type of publication, nationality, time period, and size and type of specialty.
7. Technical limitations of citation indices and bibliographies.
 - a. Multiple authorship.
 - b. Synonyms.
 - c. Homonyms.
 - d. Clerical errors.
 - e. Coverage of literature.

In a later paper (**1996: 436-438**) the **MacRoberts'** identified several additional problems (renumbered to continue on from the 1989 list):

8. Secondary sources preferred (#3 in 1996 article).
9. Citer motivation (#5).
10. Traditional non citing [sources not normally cited in this subject area] (#9).
11. Ignorance of the literature (#10).

Using sources in biogeography in their third paper, **MacRoberts and MacRoberts (2010)** “examined articles and compared influences evident in the text with those referenced in the bibliography” (**1**). They admit that “[w]hile it is undoubtedly impossible to detect all influence on an article, a large percentage can be detected. Thus, instead

of one population of influences there are two: those that are cited and those that are not cited” (1). In the area of biogeography at least, and possibly in others as well, “the information in those so-called *uncited* articles is used; it is just not being cited”; as their evidence is presented, they remind the reader that “*Not cited does not mean not used*” (5; italics in original). They reiterate this “not cited is not equal to not used” mantra in their most recent paper (2018: 476), and continue to point out the problem areas as they perceive them, such as uncited informal influences (e.g., informal intra-scientist communication; myriad contributors of data to various scientific databases of data, not the bibliographic indexing sort), the method of indirectly referencing all sources in particular papers without the necessity of repeating those references, the use of citation analysis for evaluative purposes, the incompleteness or disciplinary biases of the *Web of Science* and other citation databases such as *Scopus*, and the motivations of those who cite, whether in a “normative-meritocratic” or reward/credit fashion or because the citations are useful, in the constructivist sense, to “contextualize, persuade, convince, back up, supplement, reinforce, support knowledge claims, and display erudition” (478). Through the decades their focus has been on the problems of using citation analysis to investigate the sciences, or, as their most recent title would have it: “the mismeasure of science” (2018: 474).

These problems with citation analysis, particularly for evaluative purposes, as well as some of the conclusions drawn by possibly overly enthusiastic but underinformed advocates, do exist to some extent. Even as dedicated a bibliometrician as **Howard White** states that “[o]ne must agree with him [MacRoberts], of course, that citation data present a radically incomplete picture of the history of science. Any

reflective author will admit that they are a small part taken to stand, synecdochically, for the far richer whole” (2001: 101). White continues, however, that “[c]ritics have not caught it [bibliometrics] in major errors of commission; they have merely asserted ways in which it could go wrong if one is incautious” (102), and concludes his critique of the critic with “[i]f citation data are intolerably flawed, as MacRoberts holds, it is difficult to explain why the structures revealed by [Henry] Small and Company routinely make sense to qualified observers or why researchers in many specialties have adopted citation-analytic techniques” (102). Difficult, indeed. Whether there have even been enough citation analyses or other bibliometric studies of the various humanities disciplines to attempt a critique parallel to the MacRoberts’ or other critics is a discussion for another day.

It is hoped that the descriptive analyses and conclusions to be drawn in this dissertation will be able to avoid some, and address others, of the problems identified by the MacRoberts and others. As this study will not be attempting to analyse the motivations of the scholarly authors (MacRoberts’ list, # 9 above), nor comparing the references actually given with those sources that potentially could have been referenced in addition to or instead of (#1, #3, #8, #11), nor examining the positive or negative nature of the references given (#2, #5), nor using the results to evaluate or critique the *Extrapolation* article authors, perhaps I shall avoid some of these problems. Humanists are traditionally called upon to be citers, or referencers, of their sources so it is hoped that there should not be a problem with a tradition of non-citing (#10).

The technical problems with the accuracy or completeness of the data in the citation indexes from Clarivate Analytics, formerly the Institute for Scientific Information

then Thomson Reuters (#7), have been noted by others as well, e.g., **Rice, Borgman, Bednarski, and Hart (1989)**. Since I will be engaging directly with the source publications in *Extrapolation*, and not examining them solely at one remove via the citation indexes as many studies do, I should be able to avoid many of the problems caused by authorial name or publication abbreviation synonymy and homonymy in the indexes (#7.b., #7.c.); thus I also should be able to avoid the problem caused in the early years of the citation indexes when the second and subsequent scholar-authors names were not captured (#7.a.). Clerical errors (#7.d.) have ever been with us, but again, direct engagement with the source documents unmediated by the citation indexes should help in this area; assiduous attention to error checking and comparison with my own database entries should help greatly to reduce the possibility of clerical errors on my part if not on the part of the source document authors or the publishers' typesetters. Unfortunately, the problems with an inadequate coverage of the literature (#7.e.) will not be alleviated with this study since I will be using but a single journal as the source of my data, though it will cover a considerable chronological extent of that journal. Someday, a future study will include the secondary references made in the articles in *Extrapolation*, and may perhaps expand the study to use a pool of F&SF source journals larger than that included in the *Arts & Humanities Citation Index*, and perchance even include a selection of monographic volumes, both single authored volumes and topical book collections and conference proceedings, which are not used as source documents in the citation indexes but which are known to be of great importance in humanities scholarship.

Self-citation (#4 above) or self-referencing, the citation by an author of one or more of her or his previous works has been studied by many either as a separate topic or as one aspect of a more complex study (e.g., **Tagliacozzo 1977; Porter 1977: 262-263; Snyder and Bonzi 1998; White 2001: 89, 93, 102-103; Glänzel, Thijs, and Balázs 2004; Glänzel, Debackere, Thijs, and Schubert 2006; Fowler and Aksnes 2007; van Raan 2008; Davarpanah and Askelia 2008**). There are also a few studies of journal self-citation wherein the references given in a journal are examined for references to that same journal (e.g., **Foo 2009**). The MacRoberts' and others have criticized bibliometric studies on the grounds that self-citation is egotistical, a problem, or excessive, thus some bibliometricians either exclude self-citations from studies of individuals or co-authorship groups or are careful to report citations of self and others separately. **Glänzel, Thijs, and Schlemmer (2004: 63)** note that while those in science policy and even some researchers condemn author self-citation as a means to elevate unwarrantedly the citation scores of the self-citing scientist-authors, “[b]ibliometricians are, on the other hand, inclined to regard a reasonable share of author self-citations as a natural part of scientific communication” recognizing that scientists may be reporting on further developments in research they had reported upon in earlier publications. Since an exploration of the secondary references made in the *Extrapolation* articles is not part of this dissertation, this should not be a problem.

3.2.3. Slow Glass: Descriptive and Behavioral Studies: Descriptive Studies

The history of citedness is the history of perceived relevance in given areas of research. . . . Citations in their entirety are an enormous network of explicit relevance judgments, with publications as nodes and counts as the strength of the ties between them. **(White 2001: 103)**

Nicholas and Ritchie (1978) divide bibliometric studies into two general groups: “those describing the characteristics or features of a literature (*descriptive* studies)”, and “those examining the relationships formed between components of a literature (*behavioural* studies, sometimes referred to as citation studies, but not restricted to them)” **(9-10; italics added)**. Paralleling this descriptive-behavioral division, is that described by **Morris and Van der Veer Martens (2008)** in their dissection of various approaches to mapping research specialties; they describe the bibliographic approach to mapping by invoking Patrick Wilson’s two forms of “bibliographical control over the universe of ‘writings and recorded sayings’ . . . *descriptive* control and *exploitative* control” **(Wilson 1968: 20-40; quoted in Morris and Van der Veer Martens 2008: 224; italics added)**. In the most general of terms, I aspire to examine these two major aspects of bibliometric studies in this proposed study, the descriptive, and the behavioral or exploitative. These aspects are complementary; as **Nicholas and Ritchie** note: “the descriptive study furnishes a background of basic statistics against which the strength and significance of behavioural patterns can be assessed” **(1978: 11)**.

For the descriptive phase of this study, the aim is to describe the literature of F&SF studies as embodied in the source documents chosen for study, i.e., *Extrapolation* and its contents in its first fifty years. **Nicholas and Ritchie** list the following features as of concern for literature descriptions:

1. bodies responsible for the production and transmission of the information;
2. form of transmission (eg journal, monograph);
3. medium of communication (eg article, letter);
4. nature of information conveyed—subject and language characteristics;
5. timing and frequency with which information is conveyed;
6. amount of information conveyed; [and]
7. geographical origin (**1978: 10**; also Ch. 4 and 5).

Morris and Van der Veer Martens (2008) would add to these concerns such items as funding acknowledgements (**245**) and the core and scatter of publications (**237**) to the description of the literature. Because the concentration of source documents is contained within one journal specifically chosen for its stated concern with the subjects of science fiction and fantasy I shall be focusing more on a portion of the core of the F&SF scholarly literature than on the scatter within the hundreds or thousands of other books and journals not chosen as sources; the core and scatter of items referenced primary works shall be considered however.

3.2.3.1. *Last and First Men: Types of Source Documents Described*

The origins of descriptions of various subject literatures and of the behavioral aspects found by means of citation analysis of the references given in those described literatures predate the development of the citation indexes by the Institute for Scientific Information in the early 1960s. The relative ease of use of the indexes, especially once they became available online seems to have encouraged the development of a veritable niche industry of bibliometric studies, particularly of the scientific, and of the more science-like or science-aspiring social scientific, disciplinary literatures. The major drawback to all of this bibliometric activity as it relates to the arts and humanities is that the three major citation indexes (from ISI/Thomson Reuters/Clarivate Analytics) draw their citations from solely from journal source documents, while the humanities disciplines are well known for being more reliant upon monographic sources than are the sciences and most of the social sciences. For a brief, shining moment (1979-1983), however, the print version of *Arts and Humanities Citation Index* did include as source documents a combined total of 505 “fully covered source non-journals” (**AHCI 1983 [1984]: 33**), described as “multi-authored books . . . biographical works, collections of critical essays, topical collections of papers, bound series, and proceedings” (**Garfield 1979 [1980a]: 8**). Beginning with the 1984 print version it was announced that an “increase in journal coverage was made possible in part by a reduction in non-journal coverage. Most of the works eliminated from coverage are monographic series not published on a periodic basis” (**Garfield 1984 [1985]: 9**); the remaining non-journal monographic series, mostly annuals, were to be integrated into the lengthy list of journals indexed. One was expected to be comforted by the note that “new multi-

authored books, proceedings, and monographs being published in the arts and humanities” were still to be listed in the weekly issues of *Current Contents/Arts & Humanities*, a literature alerting service which reproduced tables of contents from more than a thousand journals (**Garfield 1984 [1985]: 9**). The evidence of most of these 505 non-journal source documents and the attendant references given therein was vaporized from the online versions of the *Web of Science*.

And why is this disappearance important? If one is studying a field or discipline which is heavily dependent on creative texts of all kinds, and on scholarly texts published separately as monographs, in collections and anthologies, or in sources other than journals, then the exclusion of those types of sources from indexing and subsequent bibliometric examination will cause the loss of a part, perhaps a large part, of what one might learn about the scholarly practices in the less-journal-dependent disciplines. **Huang and Chang**, having reviewed the results of bibliometric studies in the social sciences and humanities [SS&H] and compared them with those in the natural sciences [NS], noted that “differences exist between SS&H and NS research outputs in terms of publication types, cited sources, languages used for publications, and the age distribution of the cited works in research” and concluded that “SS&H researchers, *particularly the humanities scholars*, produce diverse publications, value books, study topics of regional and cultural concerns, and cite much older literature” and that examinations of “SS&H research output *must address these characteristics* rather than employ methodologies derived from NS research evaluations to produce fair and just evaluations” (**2008: 1827**; italics added). **Bates (1998)** examined the “role of publication type in the evaluation of LIS programs” and concluded that limiting the

evaluation of a program solely to refereed journal publications and their citation rates would distort any estimation one could make of a program or programs, even when those programs were not traditionally included within the humanities. The use of both major and minor publications, monographic- and journal-based, authored or edited, to conduct a program evaluation together with citation rates and experts' perceptions would strengthen the assessment done. In an examination of the literature of sociology, **Cronin, Snyder, and Atkins (1997: 264)** note that "it is legitimate to ask whether citation counts based solely on the journal literature of a given field may fail to identify all authors whose work has had a significant impact." Their study of citations given to authors of sociology journal articles and sociology monographs "suggest that there may be two populations of highly cited authors, one which is highly cited in monographs and one which is highly cited in journals, as indicated by the limited overlap between the top-ranked authors in our monographic and journal samples" (269).

Cronin, Snyder, and Atkins followed the lead of **Line (1979)** in studying citation practices in journals and monographs. Using as source documents a selection of monographs and two sets of journals (a highly ranked core and a randomly chosen non-core) in a number of fields in the social sciences, **Line** found that the pattern of referencing of journals and monographs in different fields varied with the field, a not unexpected result, but that there was sometimes a marked variability in these patterns between the types of source documents in the same field (q.v., sociology). In Line's psychology journal source documents, he found the references to journals constituted 64% of the references and the references to monographs 29%, while in his sociology source journals the comparable numbers were 35% and 45%, and in political science

22% and 51%. With his psychology monograph sources the references to journals were 58% and to monographs 38%, while the sociology monographs referenced 20% journals and 65% monographs, and the comparable numbers in the political science monographs were 23% and 53%. As **Line** noted “[i]t seems that references made by monographs in the social sciences differ in several respects from journal references, and that some of the differences are large” (1979: 282). He continued that “[w]hat is surprising is that citation analyses have paid virtually no attention to references in monographs and ‘non-core’ journals” and that while such uses “seem to represent somewhat different kinds of use from core journal references, they *nevertheless represent uses*” (282-283; italic mine).

Such disparities in apparent citation practices between authors of different types of source documents within a field lend weight to **Line’s** suggestion (1979: 283) that

Table 3.2.3.1.: Materials Referenced in Four Source Document Types as Found in Budd (1986)					
Form of Material Ref'd	Ref'd in Books	Ref'd in Book Articles	Ref'd in Journal Articles	Ref'd in Dissertations	Total Ref'd All Sources
Books	61.0%	70.7%	62.5%	67.5%	64.0%
Serials:	25.7%	22.1%	25.7%	30.2%	26.7%
<i>Periodicals</i>	21.5%	20.8%	21.1%	27.5%	23.9%
<i>Newspapers</i>	4.2%	1.3%	4.6%	2.7%	3.7%
Unpub'd Letters	11.3%	2.8%	6.9%	0.1%	6.2%
Manuscripts	0.7%	3.2%	1.4%	0.5%	1.0%
Dissertations	0.5%	0.6%	0.7%	0.7%	0.4%
Miscellaneous	0.9%	0.9%	2.7%	0.8%	1.4%

Adapted from Table 4.1-Table 4.5 in: Budd, John Mason. *Characteristics of Research Materials used by American Literature Scholars: A Citation Study*. Diss. U of North Carolina, Chapel Hill, 1985. 57, 60-62. Ann Arbor, MI: UMI, 1999. Print.

further study, with different kinds of sources, is warranted. Such a study in the area of (capital L) Literature is **Budd's** dissertation (**1985: 57-63**) which used four different types of source documents (books, book articles, journal articles, dissertations) devoted to American Literature, and which found the distribution of references to a variety of materials as shown in Table 3.2.3.1. above based upon data found in his Tables 4.1-4.5 (**Budd 1985: 57, 60-62**). Budd's results, showing a preponderance of references to books or monographs in all four types of source documents, are not unusual in studies of citation practices in the arts and humanities. However, in each of his studies of references given in various categories of literary monographs, **Cullars (1985: 521; 1988: 164; 1989: 321-322; 1990: 346, 354)** notes that the monographic authors in general cite manuscript sources at a much higher rate than is reported in other studies based on Literature journal sources.

Other types of publications have been proposed, examined, or used, as source documents in bibliometric studies. **Glänzel, Schlemmer, Schubert, and Thijs (2006)** used the Thomson Reuters' *ISI Proceedings* citation database to examine conference proceedings as a useful adjunct to journal citation studies, and suggest that "engineering sciences, computer sciences, and social sciences might benefit from such extension since this could essentially increase the validity of citation analysis in these fields" (**471**); arts and humanities proceedings titles apparently are included in this database but at a very low volume. **Lisée, Larivière, and Archambault (2008)** show that the percentage of proceedings in the humanities, literature, and the arts were generally referenced from 1980-2005 at a rate of less than 0.5% of items referenced in the field each year. **Diodato (1984)** examined a selection of 100 book reviews indexed

in the *Arts & Humanities Citation Index* for their impact (i.e., were they cited by other sources) and their scholarliness (i.e., did they reference other sources). As a measure of the impact of the reviews he examined over a seven year period how many of these reviews received citations, how many of the reviewers gave references to the authors of the books reviewed and to the particular books reviewed, and how many of the reviewed authors referenced their reviewers. For the scholarliness of the reviews, he examined how many references were made within each review and the purpose of the references made using **Frost's** classification of citation purposes (**1979**). While admitting that reviews may have an impact on a field and that some book authors appear to have an impact upon their reviewers, **Diodato's** general conclusion was that “the results of this study do not support the use of citations to book reviews as useful data for analysis of impact in the arts and humanities” (**1984: 219**).

Budd and **Cullars'** results confirm **Line's** observations about differing fields displaying differing citation practices, and this strengthens my conviction that different types of scholarly source documents *should* be used to examine the information needs and uses of scholars in the F&SF field at some future date. Since a number of the volumes in Greenwood's *Contributions to the Study of Science Fiction and Fantasy* series are selected proceedings for the Eaton Conference and for the International Conference on the Fantastic in the Arts, and since Eaton Conference proceedings are available also in the Southern Illinois University Press *Alternatives* series and from the University of Georgia Press (no series title), and as there are a scattering of other conference proceedings volumes, the opportunity might present itself at a future date to extend the very limited literature on the use of proceedings as source documents and to

compare the citation practices in them with that found in journals, in single author monographs, and in other non-proceedings book collections and anthologies.

At least three Literature citation studies used dissertations and/or theses as source documents (**Budd 1985; Chambers and Healey 1973; Slutz 1997**), thus it also would have been tempting to consider the use of F&SF doctoral dissertations and master's theses as source documents for this study. However, I occasionally update an ever growing list of such dissertations and theses. The outdated list currently posted to the web has more than 2,000 items listed (**Swigart 2004**) and a somewhat more recent (2008) unposted version residing on my computer lists some 3,500 items and is itself in need of a massive updating from the references I continue to gather just awaiting the completion of my own dissertation and the time to do so.

Unfortunately, there is just not enough time to include monographs, article collections or anthologies, proceedings, dissertations and theses, or other sources, nor the contents of any of the other F&SF scholarly journals, as source documents for this much overdue present study, even though the requisite data from the Eaton volumes was captured previously for the purpose of a conference presentation (**Swigart 2011**). Contemplation of attempting to do so leads the way to the gibbering madness of an H. P. Lovecraft protagonist, and while I may occasionally be crazy, I'm not (yet) mad.

3.2.3.2. Star Maker: Literature Source Document Descriptions

Of the bibliometric studies in the area of Literature only a few would qualify as a 'literature description' study. For example, in his **1986** volume **Bell** used several national bibliographies for books and a major university's serials list as source

documents, then, concentrating on book and serial publication of both primary works of Literature (fiction, poetry, drama, etc.) and secondary works about Literature (critical, historical, biographical), both in English as well as works in foreign languages and in English translation, focused primarily on the size, growth, and major characteristics of UK publications with some attention to US, French, and West German publication. He provided extensive statistical tables to describe the numbers of titles in various Literature subject categories, pages published, reprints, biographies, children's books, reference works, conference proceedings, and serials.

There have also been a few descriptions of the (lowercase l) literature of Literature items which can provide examples of how scholars have dealt with descriptions of the primary creative works of Literature themselves. In **Franco Moretti's *Graphs, Maps, Trees: Abstract Models for a Literary Theory (2005)***, among other visual displays he graphs the multiple rises and falls of the novel as a literary genre in several countries over three centuries, the successive hegemony of the epistolary, gothic, and historical novel types over a century in Britain, and changes in the relative dominance of male and female novelists, as well as a timeline showing two centuries of consecutive clusters of popular novelistic genres in British literature, a process he calls 'distant reading'. Preceding Moretti by nearly seven decades was **Heidler and Lehman's** little noted article on "chronological age and productivity [in] various types of literature" (**1937**). Like Moretti, Heidler and Lehman, using unremarked data in plain sight, made use of a number of historical and bibliographical volumes devoted to American, English, and European literature to graph or chart the relation between the biographical ages of

creative authors and their productivity of various types of literature (e.g., novels or short stories, comedies, narrative poems).

There are other types of literature descriptions possible as **Nicholas and Ritchie** and other bibliometricians have shown. For example, scholarly authors might be characterized by a variety of factors, though I found only two such for Literature.

Bauerle (1958) identified the most frequent individual contributors to *PMLA* in its first 75 years and then those institutions which most frequently contributed authors to the journal overall and longitudinally in three equal 25 year periods, as well as descriptions of the subject areas in which articles were written. **Slutz (1997)** used a small set of only 16 English literature master's theses as source documents, but did describe the gender of the thesis authors.

Some studies of subject areas other than Literature have given descriptions of the authors, editors, or editorial board members of various disciplinary literature source documents by such characteristics as their gender, affiliation, and/or status. Among these studies are **Bordons, Morillo, Fernández, and Gómez (2003)** on gender and status (professional category) of Spanish scientists in chemistry and natural resources; **Håkanson (2005)** and **Sánchez Peñas and Willett (2006)**, both on gender in authorship of library and information science publications; and **Hutson (2006)** on the authors' professional age, gender, prestige, self-citation, and the acknowledgement of mentors and colleagues in archaeology. **Crane (1965)** reported on the productivity of and recognition received by researchers in three disciplines affiliated with three unnamed institutions she characterized as varying in prestige. **Hérubel (1990b)** examined the gender and the institutional affiliations (public vs. private, academic vs.

non-academic) and geographic location of authors in an architectural history journal, while **Furner (2009)** reported on institutional affiliations of editors, editorial boards, and authors in an LIS journal.

The F&SF scholarly field also yields up a few statistically-based literature description studies focused on descriptions of the creative works themselves, rather than on the scholarship of the field. Basing his descriptions on the work of his University of Michigan students in the Genre Evolution Project, Professor Eric **Rabkin** characterized by fourteen genre forms (e.g., adventure, alien contact, domestic, satire, war) combined with sixteen genre content categories (e.g., alternative history, mad scientist, post apocalypse, time travel) “a representative sample of 1,959 science fiction short stories published in American science fiction magazines during 1926-2000” (**2004: 468-469**) to demonstrate popular categories of stories. A subset of this sample were the 159 stories which had been reprinted more than twice which were then used to demonstrate which combinations of form and content were the most successful in the marketplace over time (**470-472**). Combining historical, bibliographical, and descriptive bibliometric methods, Texas A&M University librarian Candace **Benefiel (2008)** in the pages of *Extrapolation* explored the reprint history of a dozen years’ worth of stories (1928-1939) from the pulp magazine *Weird Tales* (1923-1954). Having compiled a preliminary database of 1,749 reprints of 1,138 stories by 323 authors she charted the stories by number of reprints, graphed the authors by numbers of reprinted stories and the reprint anthologies by publication date, and even created a form of ‘author impact factor’ composed of the number of reprints of each author’s stories divided by the number of stories each author contributed to her data set. More recently, inspired by

Moretti's *Graphs, Maps, Trees* (2005), Määttä (2015) surveyed thirteen “separate chapters, articles or sections in handbooks, encyclopedias, and introductions to science fiction” **(413)** to create a database of 490 primary works “to analyse the historiography and canonization of apocalyptic and post-apocalyptic disaster narratives” **(413)**, such as novels by Mary Shelley (*The Last Man*, 1826), H. G. Wells (*The War of the Worlds*, 1898), and Walter M. Miller, Jr. (*A Canticle for Leibowitz*, 1959), the novel and film versions of *On the Beach* written by Nevil Shute (1957) and directed by Stanley Kramer (1959) respectively, and the three *Mad Max* films of Australian George Miller (1979, 1981, 1985).

3.2.4. Wild Cards: Descriptive & Behavioral Studies: Behavioral Studies

One of the great virtues of SF is that we can speak to the Elder Gods, usually in the bar. So Heinlein said (at his house on Bonny Doon Road) . . . **(Benford 2009)**

References Given and Citations Received: As **Nicholas and Ritchie (1978: Ch. 6)** and many others note, the giving of a reference from publication A to publication B, or the reciprocal relationship of the receipt by B of that same citation from A, establishes a bibliographical link or a relationship between the two. By extension the reference giving and citation receiving also creates a link or relationship both between their respective authors/creators whether or not those individuals are known to each other, and between the container of the reference-giving publication and the container of the citation recipient, as between the articles in the same or a different journal, between a journal

article and a dissertation, between a book and a film. **Nicholas and Ritchie** describe these links as a “web of relationships” which exist “between the literatures of the various countries, languages, and subjects” (1978: 10-11). To describe a small portion of this behavioral or exploitative web of the scholarly relationships with primary creative works as revealed by the studied source documents and scholar-critic-authors within the F&SF scholarly community represented by *Extrapolation*, several bibliometric methods will be employed, particularly citation analysis of references given to those primary creative works and authors. It would be possible also to study the relationships with secondary sources as well.

The library and information (LIS) studies field is rich in ‘literature of’ behavioral or exploitative studies of various subject or disciplinary areas or of journals singly or in small groups; these are primarily citation analyses. Such ‘literature of’ investigations are not unknown in publications outside the LIS field, particularly in a wide variety of the hard and life sciences, economics, medicine, psychology, social work, even business. As noted above, to conduct their inquiries and draw their conclusions regarding the referencing behavior of scholars, bibliometric researchers may use a single type of scholarly source document, such as journal articles or theses and dissertations, or they may use a variety of source documents, to discover the types and characteristics of the information resources scholars have used and referenced within their own publications. These researchers may examine all the different types of references given, or they may focus on specific types of references, such as those given to journals and their articles, to the exclusion of other types of references given.

Most of the 'literature of Literature' behavioral or exploitative studies are citation analyses focused on examinations of the types and nature of the materials referenced by (cited in) publications in particular subject areas within the larger area of scholarly literary studies. The earliest bibliometric study of Literature which I've found is **Gleaves' 1960** MA thesis which looked at the materials referenced by American literature scholars in a sample of articles from five journal sources published in three different years. He examined the subjects of the articles, the forms or types of materials referenced, whether these were primary or secondary works, their subjects, their ages relative to the referencing articles, and then identified the most frequently referenced periodical and book titles.

Like **Gleaves**, other researchers have used a single type of source document in their analyses in areas of Literature. Using English master's theses from their respective institutional collections, **Chambers and Healey (1973)** looked exclusively at the journal references given in the theses as part of a review of their institutional journal subscriptions, while **Slutz (1997)**, who was not under such an institutional review impulse, examined all the different types of bibliographic references given by the writers in his thesis source documents. In a series of articles **Cullars** observed the different types of information resources referenced in monographs devoted to British and American literature (**1985**), as well as those devoted to French and German literature (**1989**), Italian and Spanish literature (**1990**), and to foreign literary scholarship written by native English speakers (**1988**). Some researchers used only journals as source documents; **Heinzkill** first studied the different types of references given in scholarly journals devoted to English literature (**1980**), and much later published a parallel article

on references in journal articles in English and American literature (2007). **Stern (1983)** scrutinized the references in a selection of journal articles devoted to three literary authors and to three literary movements, while **Knievel and Kellsey (2005)** considered the references given by a single year's worth of articles from one prominent journal in each of eight humanities fields, with Literature represented by the *PMLA*. **Ardanuy, Urbano, and Quintana (2009)** surveyed five journals devoted to Catalan literature over a 30 year period, while **Nolen (2010)** used as sources the 1970 and 2000 volumes of three journals devoted to Spanish and Latin American literature.

Several researchers utilized multiple types of source documents to determine the use by literary scholars of various materials. **Frost (1977, 1979)** used both journals and monographs in German literary studies from three different years, from pre-WWII Germany, post-war East and West Germany, and the United States, to examine and classify the references given. **Budd (1985, 1986a, 1986b)** made a selection from the 1981 *MLA International Bibliography* of English-language books, book articles, journal articles, and dissertations devoted to American literature and variously analysed the references given by these sources. **Wolfe Thompson (2002)** analysed references given in a selection of both monographs and journals to determine whether the references were to primary or secondary materials, their publication formats, relative ages, and the most frequently cited journals and book publishers.

The stated purpose of some of these studies was to describe the library resource needs of scholars or graduate students through examination of the sources they referenced, particularly but not exclusively so as to inform decision making in academic libraries as to the need for monographs, journals, or manuscripts and other unpublished

materials, the subject dispersion of materials used by literary scholars, the need (or not) for materials published in languages other than English, and the age(s) at which various types of materials become less useful and thus might be considered for remote storage or even weeding (deaccessioning) from a collection.

This list of examples of these behavioral citation analyses could be multiplied by casting a wider net in the greater humanities and looking at similar studies which exist in various areas, such as those by **Al, Şahiner, and Tonta 2006** [Turkish authors in the arts and humanities]; **D. Baker 1978** [English musicologists]; **Batts 1972, 1974** [humanities]; **Bell 1984** [humanities]; **Bolles 1975** [American Studies]; **Bottle and Chase 1972** [music and musicology]; **Broadus 1987c, 1989, 1990** [humanities scholars]; **Campana 1991** [music librarians]; **Cauchi and Cave 1982** [bibliography]; **Coffey 2006** [composition studies]; **Cullars 1992, 1998** [fine arts; philosophy]; **Dowell 1999** [art history]; **Hérubel 1990a, 1990b, 1991a, 1991b** [history; architectural history; garden history; philosophy]; **Hitchcock 1990** [state history]; **Jones, Chapman, and Woods 1972** [historians]; **Marco 1965** [music]; **McCain 1987** [history of technology]; **Nelson 1977** [fine arts]; **Pao 1979, 1985** [computational musicology; American Revolution]; **Scrimgeour 1999** [Biblical studies]; **Simonton 1960** [fine arts]; **Van der Meulen and Leydesdorff 1991** [philosophy]; **Villagr a Rubio 1992** [social sciences and language]; **Whalen 1965** [theology]; **Wood 1988** [sciences and humanities dissertations]; and **Zwaan and Nederhof 1990** [linguistics].

Implicit Citations: A Note: When the *Arts & Humanities Citation Index* was created the indexers at the Institute for Scientific Information were confronted with a

number of differences between the literatures of the sciences and that of the arts and humanities. This led them to develop several new features, such as parenthetical enhancements to the journal article titles so as to include the name of a subject (person, place, thing, concept, theory, etc.) when the title was not sufficiently descriptive, or to indicate the presence of illustrations of art works or musical scores. One of these new features was the addition of 'implicit citations'. As **Garfield** explained, "[w]hen a work is mentioned in an article but not explicitly cited, this is an implicit citation . . . in addition to articles or books, 'implicit' citations can include paintings, musical compositions, novels, dance performances, etc." (1980b: 47); these implicit citations were added by editors who reviewed the articles before they were included in the indexes; in 1978 there were 81,000 implicit citations created within the 536,000 citations included in *AHCI* (15%), a not insignificant number of those references given. Previously, **Garfield** made the distinction between explicit and implicit citations in slightly different phrasing: "In an *explicit* citation, the source or citing document will identify the cited works by use of formal reference citations . . . In an implicit citation, one recognizes that some other work has been drawn upon or alluded to, but the citing author does not consider it important enough for a formal citation" (1964b: 59; italics in original), and slightly later as "The clearly visible linkages are those ordinarily provided by authors in the forms of *explicit* citations. Less clearly seen are *implicit* references as in eponyms and neologisms" (1967: 239; italics mine).

Heinzkill whose earlier study was apparently based on direct examination of the journals studied, and not on data from the *AHCI*, noted that "[t]here are some referencing patterns that do not lend themselves well to statistical analysis, for example,

the recent tendency to incorporate references in text rather than in footnotes” (1980: 363). He noted, with some apparent astonishment, that “even key works on which the article was based sometimes were not cited in a footnote,” citing as an extreme case one article quoting some 100 manuscripts, none of which was listed in a footnote, and mentioning another study which “dealt with 25 manuscripts but only 5 of these were also mentioned in the footnotes” (363). These formally uncited works were implicit citations or references. When conducting her study based upon *AHCI* data, **Stern** recognized that the *Index* had been enhanced with the addition of such implicit citations and she made use of these implicit citations to primary works of the three authors she studied (1983: 200-201). She noted that her analysis of publication dates of the references given was impeded because of a large number of undated references, usually to primary works. This problem was aggravated, I suspect, by those indexer-added implicit citations unaccompanied by dates of publication or creation. **Stern** solved this problem by researching, then adding, the date of first publication to her records (205). **Cullars (1985)**, explicitly following Stern’s lead, examined his monographic source documents for implicit citations in addition to the formal references found in the bibliographies and the notes.

Another aspect of implicit citations is the use of eponymic references in texts, i.e., the citation of methods, theories, and so forth by reference to the individuals who discovered or invented them, e.g., Raman spectroscopy as referenced by **Marx and Cardona (2009: 1)**. **Marx and Cardona** searched for informal (eponymic) references to pioneering chemists and physicists, and compared their retrieval with that from citation index searches for formal citations to papers written by those scientists. They

concluded that “[t]he number of informal citations is often many times higher than the number of formal citations, especially when the name of an author or his contributions have become household words”, that this occurred “when work appeared in old, obscure, or not easily available journals”, that “informal citations are mainly deployed instead of (and not in addition to) formal citations”, and that “[a]s a major consequence, citation rankings of pioneers may be greatly misleading” (2009: 20).

As with the materials indexed in *AHCI*, it is expected that the majority of references given in the *Extrapolation* source articles will be found in the formal presentation of items in a Works Cited list or in foot- or end-notes. However, as with that not insignificant 15% implicit citations which ISI’s indexers added to *A&HCI*, references to authors and works are likely to be found informally scattered throughout the texts of the individual article source documents. These informal, or implicit, in-text references will also be captured during the course of data collection for this study as they may reveal aspects of the expected, or tacit, knowledge base of F&SF studies which may enrich our understanding of this specific field of study, and of aspects of humanists’ citation practices. For example, if the surname Heinlein or a particular work (e.g., *Stranger in a Strange Land*) is mentioned without a formal reference in an article, then one might assume that the reader is expected to know who Heinlein (or his novel) is within the context of the item being read, and more importantly, why he or it is being referred to; just so a mention of Shakespeare and his *Lear* might be expected to give rise in the mind of the reader a certain assumed knowledge of an Elizabethan playwright and poet, or of literary texts about grateful and ungrateful children, loyalty, or foolish and wise men, among other possible topics.

It is not expected that there will be a great many strictly eponymic references given in the documents studied, it is expected that there will be informal mentions, or implicit citations, of creative authors and works. The first decade of *Extrapolation* in particular has fewer articles with the formal footnotes or reference lists which became more common later in its history; this was due possibly to the more informal nature of what was then seen as a newsletter rather than a fully-fledged journal. I expected to deal with incompletely identified individuals or undated and implicit citations, and the occasional incomplete but more formally presented ones, and therefore conducted the necessary research. Due to the paucity of literature on the issue of informal citations, it is hoped that the inclusion of the informal implicit in-text references as an object of study in this study will expand this literature.

3.2.4.1. *Cyborgs: Primary & Secondary Works Referenced*

Focused as they often are upon the physical format of the materials referenced (books, journals, etc.), few bibliometric behavioral studies in the arts and humanities have discriminated in more than a very basic way between the primary or creative works referenced and the secondary, or scholarly, historical, critical, bibliographical, or other informative materials referenced. While for bibliometric studies in the sciences and social sciences such distinctions may not be as important or even pertinent, for research in the arts and humanities the primary or creative works and their creators are often the principal focus of a scholar's work and the scholarly and other non-creative secondary materials referenced are referred to in support of the scholar's aims in studying the primary work(s) and their creator(s). As an example of one researcher who

did make at least a partial such distinction is **Madeleine Stern (1983: 201-206)** in the section of her study devoted to scholarship on three creative authors; she divided the references given into three categories: references to the primary works of the author studied, references to the primary works of other creative authors, and references to the secondary literature. Her results, extracted from her much more extensive Table 1 (202), show the distribution found in Table 3.2.4.1. below.

Table 3.2.4.1.: Primary and Secondary Materials Referenced Literary Scholarship as Found in Stern (1983)			
Author	Author's Work	Other Authors' Primary Works	Secondary Works
John Milton	19.0%	24.3%	56.7%
Henry James	29.4%	14.7%	55.9%
W. H. Auden	41.9%	12.8%	45.3%
Adapted from Table 1 in: Stern, Madeleine. "Characteristics of the Literature of Literary Scholarship." <i>College & Research Libraries</i> 44.4 (July 1983): 202. Print.			

She speculates that for more contemporary authors, such as Auden, there may be fewer critical works available for scholars to reference, therefore the scholars may need to depend upon, and thus reference more often, the work of the creative author studied, whereas secondary materials may be more frequently referenced for older authors because for “a literary figure of the nineteenth or seventeenth century, the work has already been studied, dissected, documented, and evaluated by previous generations of literary scholars” (204), but she admits that further study will be needed to substantiate her conjecture.

In his study of references given by a sample of scholarship devoted to American literature, **John Budd (1985)** found an overall distribution of 39.8% of references to primary works, and 60.2% to secondary, with some distinct variation between the different types of source documents: “authors of books and journal articles use a greater percentage of primary materials than do authors of book articles and dissertations” (68-69). Budd’s overall distribution was similar to that found by **Carolyn Frost (1977: 129)** in her monographic source documents. Looking at a sample of German literary studies in several countries and time periods, she found that her monographic source documents in general referenced 42% primary works and 58% secondary works, while there was a more pronounced difference in her journal sample where 32% primary and 68% secondary works were referenced. **Frost** also found some distinct referencing differences when subdividing her source documents by time or country of origin. **Cullars**, who has studied the referencing patterns in literary and fine arts monographs, found that references to primary sources varied somewhat with the subject area. For example, in **Cullars’** fine arts monograph sample, 40.8% of the references were to primary works including visual artifacts and a variety of communications from artists, while for the literary monographs the primary works of creative authors constituted 48.7% of references in English-language criticism of foreign literatures, and 48.8% of German, 54.8% of Italian, 57.5% of Spanish, and 61.2% of French literary monographs (**Cullars 1988: 162, 166; 1989: 316-317; 1990: 344; 1992: 333-334**). **Budd (1985: 132, 140, 142-143)** goes beyond the numerical or proportional data and gives the titles of the “Most Frequently Cited” items in his data pool: 30 periodical titles (referenced

between 11 and 52 times), 16 primary works (5-10 times), and 17 secondary works (4-9 times); few other bibliometrics scholars go beyond a “top serials” listing.

Defining Primary and Secondary. How have previous bibliometricians made the distinction when dividing the references given into primary and secondary works? **Stern** says “[p]rimary material, as cited in scholarly articles on literature, can be divided into works of the authors who are the subject of the source article, and other primary works that are the creative products of other authors” (1983: 204). **Budd (1986a: 193)** says that “[w]hether a work is considered a primary or secondary source may be relative to its use in the source item” and employs the example of Henry James’ book *Hawthorne* which he says would be considered a secondary work if a scholar were to draw upon it in an examination of Nathaniel Hawthorne’s fiction, but that it would be considered a primary work if a scholar were examining James’ critical works. An example of **Cullars’** definition of a primary source may be drawn from his examination of French and German literary monographs where he says that a primary source is “any literary text, autobiography, memoir, diary, letter, manuscript, or interview” including the critical works of famous authors such as T. S. Eliot, and includes as primary “the sacred texts of world religions,” and “the works of such seminal figures of modern civilization as Marx, Freud, or Lenin” (1989: 316).

For the purpose of this study, I limit the term ‘primary work’ more strictly than most of those previous bibliometricians who have considered this issue by basing my definition on what the work *is* as a product of the human imagination, rather than the bibliometricians’ evaluations of the use or function of the referenced work in the source

documents examined. *Primary works* shall be defined as those creative works of the literary or visual arts, such as novels, short stories, poems, plays, films, television programs, musical compositions, paintings, drawings, and other graphic works. Non-fictional works by creative writers, artists, composers, etc., such as interviews, autobiographies, essays, letters, or reviews they write about the works of others, shall be considered secondary works together with the other critical, historical, biographical, etc., works produced by scholars, historians, critics, and others. Longitudinal examinations of the works referenced may reveal changes in scholarly interests or citation practices.

3.2.4.2. *Orlando: Gender of the Authors Referenced*

There have been a few studies of the gender of authors referenced in particular combined with an analysis of the gender of the scholars making those references. Since references, or citations, to the work of a scholar is often used as one gauge of a scholar's reputation or influence, **Marianne Ferber** in her two studies (**1986; 1988**) analyzed the differential rates of referencing of female-only authored works, of male-only authored works, and of mixed female-and-male-authored works in matched samples of similarly authored sets of publications. Initially using journal articles and research notes in the field of labor economics "because there is a relatively large portion of women in this subfield" (**1986: 383**), her results revealed a larger portion of women-authored works referenced in articles authored by women, and of male-authored works referenced in articles authored by men, with mixed-sex-authored works falling in the middle (**1986: 384**). These findings were bolstered by her subsequent study of

referencing in articles in the areas of developmental psychology, sociology, financial economics, and mathematics which found that “references to women’s publications (and to publications by joint [i.e., mixed-sex] authors) constitute a larger percentage of all citations among women authors than men authors” (1988: 84), but also that the “citations gap’ appears to decrease as the proportion of women in the field, and of articles written by women, increases” (86). Following Ferber, **Malin Håkanson’s (2005)** longitudinal study was of the gender of referencing authors in three core library and information science journals and of those they referenced from 1980-2000 to discover that the proportion of women referenced has risen over this period, but that this rise has been much higher in publications written by females than in those by males.

Of the citation analyses of Literature, only **Slutz (1997)** studied the gender of the authors of his master’s thesis source documents in relation to the gender of the referenced authors. While both male and female thesis writers referenced males more often than females, the female thesis authors referenced a lower proportion of males at 69.9% than the 81.2% for male thesis authors, with females referenced at 27.7% and 14.6% and gender undetermined at 2.4% and 4.2% respectively (14). In the broader arts and humanities **Cullars’** study of English-language philosophy monographs seems to have considered the issue of gender. Because “philosophy is an area in which women traditionally have not been strongly represented” (1998: 58), he studied the distribution by gender of the authors of his source documents (85.2% male, 14.8% female) and of the authors of the referenced materials (90.3% male, 8.5% female, and 1.2% unknown). Beyond these two, no other studies in the arts and humanities were

discovered which reported on the gender of those referenced and the gender of the referencing authors.

Since the field of Literature studies and many of the other arts and humanities disciplines have been historically somewhat more welcoming to women scholars than perhaps some of the sciences and social sciences, the study of the gender of both the scholars and the authors of the materials they reference should provide interesting insights into referencing patterns in F&SF studies over time at least in regard to referencing of the authors of primary works. That the style for referencing authors' names in the humanities has traditionally included full first names, rather than the initials-for-given names of many other disciplines, was helpful in the characterization phase for this aspect of data gathering and analysis.

3.2.4.3. Androids: Format of Materials Referenced

In citation analysis studies, the characterization of items referenced by the format of their publication or method of information conveyance is nearly universal. At its most basic, studies may divide the items referenced in the source documents into serial publications (e.g., journals, magazines, periodicals, newspapers) and non-serial forms (e.g., books or monographs, government documents, dissertations and theses, media formats, etc.), with some studies focused solely upon one referenced type or the other, usually serials. This division, and the frequent focus upon serials and the most frequently referenced 10, 25, or 50 serial titles in some particular field, may be traced back through bibliometric history at least to **Gross and Gross' 1927** study to determine the recommended chemistry journals needed for an undergraduate library collection; a

few studies may attempt to delineate a highly referenced core (or landmark or canon) not only of journals but of monographs as well in a particular field of study (e.g., **Nolen and Richardson 2016**).

Since the more utilitarian citation analyses are generally motivated by a desire to understand the information resource needs of a particular population of scholars, or the use of library information resources by an institution's graduate students in their dissertations or theses, and then to attempt to provide for them adequate collections of materials in support of their research and studies, the reporting of formats in which the information has been carried to its users is understandable. If the study of formats referenced is examined longitudinally, one may also see changes in the scholarly communication landscape, such as the introduction of media formats or the more recent advent of digital formats, either as objects of study or as carriers of information. Beyond the simple serial/non-serial division, the citation analysis studies of Literature have subdivided publication formats in various fashions, sometimes into a simple tripartate division of serials, books (monographs), and 'others', and sometimes into more nuanced categories. Among the more finely divided categories that have been found are, for serials: journals (usually scholarly, often professional), periodicals and/or magazines (usually popular), newspapers, and annuals though these later are sometimes included with the non-serial materials, and for the non-serials: books (sometimes called monographs), single author book collections or edited anthologies (of essays or articles by a number of individuals), book articles or essays (found in those collections and anthologies), conference proceedings, dissertations and/or theses (sometimes further divided as published and unpublished), government documents, websites, audio

recordings, films, videos, interviews, speeches, course notes, manuscripts, unpublished letters, marginalia, and that favorite catchall, other.

The study of the references found in the F&SF scholarly source documents is likely to find most, if not all, of these formats. Also, there may be references to some formats not previously noted such as comic books (usually serially published) and graphic novels, fanzines (fan written and published magazines from the 1930s onward), other amateur publications, artwork, and realia or 3-D objects such as kits, action figures, and lunchboxes. This study of the formats referenced by F&SF scholars may help to justify the acquisition of certain types of non-traditional primary materials by those libraries or other cultural institutions aiming to develop well-rounded collections, general, special, or archival, devoted to F&SF materials.

3.2.4.4. The Time Machine: Dates and Ages of Materials Referenced

The age of the materials referenced is another factor very commonly found in citation studies. The age of materials is generally found in one of two forms, either by providing the age in years of the materials relative to the source documents (date of referenced item subtracted from date of referencing source document) or by providing the actual publication years or year ranges of the materials referenced, e.g., pre-1900, 1900-1919, etc.; rarely does one study report both relative ages and date ranges of publications. The median age may be provided, or the mean (average) age may be calculated for all of the materials referenced or for particular subsets, such as journals. The researcher may indicate what proportion of the items fall within a certain age range, e.g., 52.9% of all materials referenced are 0-10 years old, 18.7% of references to

journal articles are more than 50 years old, or that materials published prior to 1900 constitute 9.25% of all references. Such information is useful for making collection management decisions such as the acquisition of journal backfiles (currently in electronic format, formerly in microform), or for the removal of certain materials to remote storage or even from the collection entirely when space is at a premium.

Price's Index: Citation studies, particularly in the sciences and social sciences, often consider other aspects of the age of referenced materials such as half-life, obsolescence (synchronous and diachronous particularly), and by Price's index. Proposed by **Derek Price** in **1970**, Price's Index is the percent, or ratio, of references that are aged zero to five years old out of all the references made in the source document(s) studied **(10)**. The larger the percentage of documents aged five years or less, the more focus there is considered to be on the 'research front' in the discipline from which the source document(s) originate. Price derived his idea from analyses of the ages of references found in journals in the hard and soft sciences, technology, and the 'nonscience' (arts and humanities) fields. The examination of referenced documents by their relative ages also can help us to understand whether scholars in a field use mostly archival or foundational documents, or current materials. Favoring the use of older foundational, or archival, documents is said by **Price (1970: 15)** to be more characteristic of the humanities (or non-sciences) while heavier citing of recent materials is more likely to indicate the 'hard' sciences. He poetically states it as "With a low [Price's] index one has a humanistic type of metabolism in which the scholar has to digest all that has gone before, let it mature gently in the cellar of his wisdom, and then

distill forth new words of wisdom about the same sorts of questions” (15). This is in contrast to the hard sciences where “the positiveness of the knowledge and its short term permanence enable one to move through the packed down past while still a student and then to emerge at the research front where interaction with one’s peers is as important as the storehouse of conventional wisdom” (15).

Price’s conclusions were examined by **Hargens (2000)** who analysed reference networks in three physical science areas, three areas of the social sciences, and one from the humanities (literary criticism as represented by studies of Toni Morrison). He discovered marked variation in his seven areas (852); and found that “[t]he literary criticism research area is unique in showing undercitation of the research front without overcitation of foundational papers” (856) while the three science areas not unexpectedly overcited recent research front publications while the three social science areas overcited the foundational papers in their respective areas, a result which surprised him (854).

Obsolescence: Obsolescence is “[t]he decrease in use of a document or group of documents as the documents become older” and may also be called “ageing, aging, [or] decay” (Diodato 1994: 119). Diodato continues that “[i]f a group of documents receives few citations after only a few years in existence, the documents are said to have high obsolescence, to obsolesce quickly, or to age quickly. Documents that continue to get cited year after year are said to have low obsolescence, to obsolesce slowly, or age slowly” (119).

Studies of obsolescence are generally synchronous or diachronous. **Line and Sandison**, in their extensive review of the literature on obsolescence and the use of literatures over time define both forms: “*Synchronous* studies are made on records of uses or references at one point in time and compare the uses against the *age* distribution of the materials used or cited”; and “*Diachronous* studies follow the use of particular items through successive observations at different dates” (1974: 286; italics in original). Synchronous obsolescence is more commonly studied as one examines the ages of materials referenced in a particular set of source documents, usually recent ones. The aging or obsolescence characteristics will not change within a particular document set studied because one examines the publication dates of the items referenced, then calculates the age of these materials relative to the publication date of the referencing document. In addition, the results of such a study permit one to know the range of publication dates and the relative ages of materials referenced as well as the ages of varying percentages of the materials cited, such as 75% or 80% of the materials referenced were between zero and X years old.

Diachronous studies require one to choose a document or set of documents and then to track the citations received by the document(s) from the time of their initial publication to the date of the study; thus, often one chooses documents published at some point in the past, e.g., in the year 1990 or the range 1990-1992, and then tracks through the citation indexes the citations received by those documents in the intervening years. In a comparison of these two methods, using a sample from the human medical genetics literature of 1960 for a diachronous study of citations received from 1960-1972, and from the literature published in 1979 for a synchronous study of

references given to journal literature back through 1961, **Stinson** (using data from his **1981** dissertation) **and Lancaster** (his advisor) concluded that “[i]f the first two years of synchronous data are excluded, the rate of obsolescence measured synchronously is statistically equivalent to the rate of obsolescence measured diachronously” (**1987: 65**). They also studied the impact of the growth of the literature and concluded that “[t]he results of a synchronous study corrected for the growth of the literature and also for the growth in number of contributors were statistically equivalent to synchronous data with no corrections whatever” (**65**). As with other age-related bibliometric factors the rate of obsolescence of materials is important for collection management decision-making in libraries, but it is also interesting for an examination of the historical development of a subject area.

Half-Life: Using the “analogy between the *half-life* of radioactive substances and the rate of obsolescence of scientific literature” (**Burton and Kebler 1960: 18**; italics in original), the half-life of a document or document set is based on the median year of all citations received by that document or set from their date of publication to the date of measurement. For example, using all articles published in a particular journal within one year and tracing the citations received by those articles, the half-life will be the middle or median publication year of all the citing documents subtracted from the year in which the measurement occurs. Although most references to the bibliometric concept of half-life refer to the article by **Burton and Kebler (1960)** as the origin of this concept, **Száva-Kováts (2002)** overturns this attribution by tracing the concept and the naming thereof to **Gosnell (1944)** and also notes that it was “a generally accepted notion and

frequently used term, both orally and in writing, among researchers dealing with literature obsolescence in the late 1950s” (**Száva-Kováts 2002: 1101**) by which time it was used by the physicist **Bernal (1959: 86)** at the International Conference on Scientific Information, a conference to which **Burton and Kebler** allude but do not provide a formal reference. **Burton and Kebler** do provide a useful reminder, however, that “[u]nlike a radioactive substance, which becomes something entirely different on disintegration, literature simply becomes unused, but *not* unusable. It is obsolescent, but not ‘disintegrated’” (**1969: 19**; italics in original).

The term half-life is also used in the concepts of citing half-life and cited half-life which are generally used as measures of the use of a journal. **Diodato (1994: 77-78)**, quoting the **SSCI Journal Citation Reports (1988: 22A, 23A)** gives the definition of *citing half-life* as “the number of journal publication years from the current year going back which account for 50% of the total citations *given by* the citing journal during the current year” and defines *cited half-life* as “the number of journal publication years from the current year going back whose articles have accounted for 50% of the total citations *received in a given year*” (italics added), that is received by the journal under study. Thus, the citing half-life would be a synchronous method of studying the ages of the literature used by the scholars publishing in a particular journal in one year; for example, if half of the materials referenced by those scholars is seven years old or less their need for recent materials would be more urgent than if half the materials they referenced came from the previous thirty-four years. On the other hand, if one were to study the cited half-life of the citations received by that journal in one year (say in 2018) by all the articles published in that journal over the course of its publishing history and examined

how many years back constituted 50% of the uses of (citations received by) that journal one could discover how many years' worth of the journal would fulfill half of the apparent need for that journal by those who make use of it in their publications. Thus both the citing and cited half-life measures can assist one in understanding the information needs of scholars for both the recent and the archival literature of a discipline. This information can inform library collection management decisions such as the renting of electronic backfiles from journal publishers or the committing of scarce budget funds to the initial large buy-in costs and subsequent annual upkeep fees for journal or publication archives such as *JStor* or *Early English Books Online* to support the needs of researchers.

Literature and Aging or Dates of Publications of Referenced Materials: In the realm of Literature citation analyses, there is a lack of consistency in the reporting of ages, age ranges, publication year ranges, and median ages of referenced materials, so it is not possible to make many comparisons between studies, merely to note some potentially interesting results with which my findings might be compared. **Budd (1985: 74)**, for example, found that only 14.0% of all materials referenced in his study were 1-5 years old, thus his 1981 American literature materials had a Price's Index of 14.0%. While 22.7% of all his referenced materials were more than 50 years old (approximately 1930 or earlier), the authors of books made the most use of materials more than 50 years old (27.1%) while dissertation writers made the least use (17.6%) of them. **Budd** provided his breakdown of the age of materials used by the type of source document together with the mean and median publication dates of the journals and books

referenced **(73-91)**. He also provided age range breakdowns for all of the materials referenced by type of institutional affiliation **(108-113)** and by professorial rank **(114-117)** of the authors of the source documents. By comparison, for the three Spanish and Latin American literature journals he analysed, **Nolen (2010)** provided age range breakdowns by the type of item referenced: 15% of monographs referenced had approximately equal Price's Indexes of 15% in 1970 and 16% in 2000. The Price's indexes for his journal articles (45% and 22% respectively) and for other books, presumably the collected essays, at 36% and 19%, varied widely between his two sampled years. **Wolfe Thompson (2002)** provided citation age distribution and the median and mode citation ages for both monographic and journal source documents, and the citation age ranges for references to periodical articles and book articles although the figures presumably intended for the column for books references are inexplicably missing from the published text **(128)**. In one study **Cullars (1989)** reported the dates of references in overlapping ranges of pre-1890, 1890-1920, 1920-1950, and 1980-[present], while in his later expanded study **(1990)** he reported the date ranges more clearly as pre-1890, 1890-1919, 1920-1949, 1950-1979, and 1980-present. **Ardanuy, Urbano, and Quintana (2009: 353)** reported that the synchronous, or citing, half-life (median citation age) of all documents referenced was 11 years while that of documents devoted specifically to Catalan literature was 9 years, that the average (mean) age of all items referenced was 18.7 years with 16.2 years for the Catalan literature items, and that the Price Index was 31.5% and 35% respectively for all references and for Catalan literature only. As for the dates of the oldest materials referenced, most studies merely reported in a very general fashion that a certain portion

of items referenced was X+ years old or was published before a specific year such as 1890. However, **Swigart (2007)** in an unpublished study of English master's theses reported on specific dates, such as that 1.1% of serials references were published between 1808 and 1900, while 1.6% of the non-serial references were published between 1541 and 1900.

Since materials in the humanities may be cited from a wide range of dates of publication or creation, possibly numbered in centuries, this study of F&SF scholarship examines the references found in the source documents synchronously back in time. Since the literature of the fantastic has a long history of creation it will be interesting to see if the ages or dates of materials referenced in this scholarly community differ from those referenced in more traditional Literature and humanities scholarship.

3.2.4.5. Native Tongue: Language of Materials Referenced

As studies of the ages of materials referenced can aid in the description of a scholarly literature and may guide aspects of collections management, so too can a description of the languages used in the materials referenced within a particular scholarly literature. An astronomical observation or the working of a particular chemical reaction should be the same regardless of the language spoken by the scientist observing or conducting the experiment provided the equipment used and the protocols followed are identical. In the humanities however, the language of the creator can influence the creative work itself, and can aid or hinder both the study of that work, and the creation and use of the scholarship on that work depending on the number of scholars capable of working with a particular linguistic tradition. Therefore, it is

important to study the language of the materials referenced by humanities scholars in a particular field to determine the linguistic extent of materials used, to anticipate the potential for materials in other languages to be requested for purchase or to be made available via interlibrary loans, and the need for acquisition of translations.

Budd (1985: 69) found that 99.5% of the materials referenced were in English, but did not find this surprising because his source documents were limited to those written in English, and those documents also were limited to materials written about American literature. **Heinzkill** in his study of English literary journals from 1972-1974 **(1980)** and of English and American literary journals published primarily in 2003 **(2007)** found that non-English language materials referenced represented only 9% and 1.5% respectively. In her study of German literary studies, **Frost (1977: 162)** found that 91.8% of the monographic and 82.9% of the journal references were, not surprisingly, in German. **Cullars'** study of references in German and French literary monographs found 75% and 84.4% of references were in their respective languages **(1989: 317-319)** and for his study of Italian and Spanish literary monographs **(1990: 347-348)** the figures were 65.7% and 83.7% respectively. In his study of monographs on foreign language literature written by native speakers of English, **Cullars** found that 64.1% of all references were to non-English language materials, with books, for example, representing 82.2% of the foreign-language references even though they totaled but 53% of all references in all formats **(1988: 162)**. **Ardanuy, Urbano, and Quintana (2009: 352)** found a distinct linguistic variance depending on the subject of the articles examined; for articles on Catalan literature, references in Catalan dominated at 86.1% and those in Spanish were a distant second at 9.7%, while for articles on "literary theory

and comparative literature, linguistics and other artistic, philosophical or religious subjects” Spanish language references were 37.2% of the total followed closely by Catalan references at 32.5%.

Since this dissertation restricts the source documents to those found in an English-language journal, and since science fiction and fantasy creative works have a strong Anglo-American history, it is expected that materials referenced will show a marked partiality to materials published in English. However, since there have been major F&SF authors from other linguistic traditions, such as Jules Verne (France), Stanisław Lem (Poland) and the Strugatski brothers, Arkady and Boris (Russia), and a number of non-English language films and graphic novels, creative and scholarly materials published in or translated from other languages are expected to be found as references in the source documents. The questions will be which languages are referenced, and in what proportion.

3.3. Lecture Demonstration: Conclusion

It is the purpose of this research to describe some of the collectivity of F&SF studies, possibly to identify some of the individuals who constitute or have constituted the invisible college-research circle-community of practice of F&SF studies, to discover the institutions with which they are they affiliated, the disciplinary departments or programs, and the professional statuses they occupy, and to explore the creative works which are the subjects of their scholarship. The reputations and rewards of a field represented by such things as disciplinary hero(in)es and prizes (**Becher and Trowler 2001: 26**) is also examined to describe the scholars who published in *Extrapolation* in its first fifty years. The examination of the formal and informal primary references made by these scholars in their publications should help to delineate some of the history of the development of F&SF studies. It is hoped that these explorations will help to delineate a fairly wide, if probably somewhat fuzzy, set of boundaries of what constitutes the content of F&SF as a subject through the primary works referenced, and aspects of F&SF studies as an area of scholarship if not as a proper discipline.

Therefore, in summary, these studies start with a careful description of the journal and its contents of the first fifty years of *Extrapolation* (1959-2009). A picture or pictures should begin to emerge of the scholarship in the area of fantasy and science fiction studies through investigation of this scholarly publication by several methods:

- a description of the evolving history of a scholarly journal in this area through an examination of its editors and their statements, its publication sponsors, and its editorial board;
- an analysis of types of publications found within a scholarly journal in this area;

an analysis of the scholar-authors of these publications by gender, by institutional affiliation and location, by institutional status and discipline; and, a citation analysis of referencing and citation behavior of these scholars through an examination of the *references given* to primary creative works in their formal references, and to the informal primary references within the texts which may indicate expected tacit knowledge of this area.

Once a solid descriptive and behavioral foundation based on such quantitative information has been built to describe the various relationships discovered among the scholars within this community, then further studies both of a quantitative (e.g., secondary works referenced, acknowledgements, citations received) and of a more qualitative nature (e.g., surveys, interviews) might be contemplated to enrich the description of this scholarly community, though such studies as these are outside the scope of this particular dissertation.

Professor **Brian Attebery**, IAFA Distinguished Scholarship Award winner (1991), Mythopoeic Scholarship Award winner (1993), and Pilgrim Award winner (2009) sums it all up very nicely:

A scholar works alone. So I was led to believe throughout my graduate education: my job was to delve into obscure tomes and manuscripts; glean bits of information and insight; and, sitting in my solitary carrel or book-strewn bedroom, assemble those bits into compelling narratives and coherent arguments, revising and polishing until the whole thing was ready for posting off to a set of similarly isolated readers.

Then I went to the fourth International Conference on the Fantastic in the Arts [1983] . . . I found myself surrounded by other people who valued the same books I did. I came face to face with people whose work I knew, whose ideas I had cribbed for my own work (*properly cited of course*). Transformed from listings in bibliographies into real people, these scholars proved to be, as one would expect, articulate and imaginative. One might not expect that they would be so witty or so welcoming as they turned out to be. **(2007: 149** *italics added*).

CHAPTER 4:
FRANKENSTEIN:
QUESTIONS, METHODS, & PROCEDURES

Giles: "I'd best head to the library. Research beckons." **(Des Hotel and Batali 1998)**

4.1. To explore strange new worlds: Purpose

This dissertation sketches a (not *the*) picture of the multidisciplinary wonderland that is the inter-galactic playground of F&SF scholarship by investigating some of the scholars and their publications, and by an examination of some of the materials they reference (cite) in their articles. The major aim of this research, and the questions which follow, is to allow one to understand something of the scholars who study fantasy and science fiction in its myriad forms, to describe the first fifty years of the journal *Extrapolation* (December 1959-date), the longest running of the scholarly journals in which these scholars publish, and to depict the chronological development of a part of this scholarly field through the creative works these scholars studied and referenced. A minor aim of this research is to compare some of my findings with those of other humanities oriented bibliometricians in the final chapter.

With the previous chapter's framework on unseen universities (invisible colleges), humanists and citation practices, and bibliometrics as a method to study some aspects of F&SF scholarship in the journal and its scholar-critic authors, this chapter attends to more practical issues. The research questions are elaborated, the data capture instrument described, and the handling of missing or erroneous data addressed.

4.2. *Inter-Galactic Playground: The Research Questions Elaborated*

As many manuals and textbooks on social science research remind us (e.g., **Babbie 2007**), and as **McGrath (1996)** too points out to bibliometricians particularly, it is important to define that which one is studying, the unit of analysis, and the variables which one wished to examine within that unit. He also reminds us that in one situation a journal, for example, could be the unit of analysis, with the articles in the journal the variable studied, while in another study, one could examine the same journal as one variable within a larger group with the unit of analysis being a country or a field of study. Therefore, we start with the three main research questions, their purpose(s) for this study, and proceed to their respective sub-questions which help to identify the units or objects of study and some of the needed variables. These units and variables determined what informational elements would need to be captured in the data capture form as noted further below in section 4.3.

4.2.1. *Extrapolation*: Question A. The Source Publication: What is the nature of *Extrapolation*, the source publication chosen to represent this scholarly community?

The purpose of Question A is to describe as a whole the journal *Extrapolation* from whose first fifty volumes and years (1959-2009) the data for this study were drawn. The main considerations are the responsibility for the publication, the editors and editorial board members who chose or recommended the contents of the publication, and the sponsors and publishers of the publication. The other items about publication

frequency and the type of items are designed to characterize the overall contents of the publication.

This main question engenders the following more specific sub-questions:

- A.01. Who are the *editors and the editorial board members* responsible for the contents of the journal, as revealed by their institutional affiliations, geographic locations, academic disciplines or occupations, gender, and any awards won for their F&SF scholarship?
- A.02. What is the stated *purpose* (or goals) of the journal?
- A.03. What are the *sponsoring organizations and publishers* responsible for issuing the journal over the fifty years from December 1959 through Fall 2009?
- A.04. What is the *frequency* of publication of the journal?
- A.05. What is the distribution of *individual document publication types* in the journal as a whole, e.g., articles, reviews, letters to the editor, editorial materials, advertisements, etc.?
- A.06. What proportion of the individual publication document types are *indexed* in selected general, Literature specific, and Fantasy and Science Fiction Studies specific indexes; are there gaps in coverage due to index specific subject or chronological restraints?

4.2.2. Sapients, Sentients, and Sophonts: Question B. The Scholars and Their Publications: Who are the scholars who have published in *Extrapolation*, as revealed by their institutional affiliations, geographic locations, academic disciplines or occupations, gender, and any awards won for their F&SF scholarship?

The purpose of Question B is to describe the scholars who contributed to *Extrapolation* and to the development of F&SF scholarship more generally, to identify the institutions from which they came, and to examine the different types of documents they published in *Extrapolation* in its first fifty years of publication from 1959 through 2009. The nature of this portion of the collectivity of F&SF scholars, such as gender or institutional status, will help to describe the unseen university of F&SF scholars.

This main question engenders the following more specific sub-questions:

- B.01. What is the *gender* of these scholars?
- B.02. What proportion of the source documents are *co-authored*?
- B.03. Where are the scholar-authors *located geographically* and with what *types of institutions* are they affiliated?
- B.04. What is the *institutional status* of these scholars (professorial ranks, librarians, adjuncts, graduate students, independent scholars)?
- B.05. What is the *departmental subject, or disciplinary, affiliation* of these scholars?
- B.06. What *awards* have these scholars won for their F&SF scholarship and other contributions to the field?

B.07. What is the *Lotka distribution* of scholars who have contributed the source documents? Which scholars under study are the *most frequently published* in *Extrapolation*?

4.2.3. Taproot Texts and Others: Question C. The Primary (Creative)

References Given by the Scholars: Who and what do these scholars study and write about as revealed by the formal and informal references they give to primary materials in the Articles published in *Extrapolation*?

The purpose of Question C is to characterize those creators and creative works, novels, short fiction, visual media, and so forth, which are the primary texts studied by F&SF scholars publishing articles in *Extrapolation*. This information may help visualizing some of the historic development of scholarship on the creators of this genre, and in the delineation of a present or past core, if any, of creators and works that are or have been important in F&SF scholarly work, and even may help to determine whether or not there are changes in the creative subjects which are the objects of study after journal editors comment upon a need or desire to expand the list of creators upon whom they would like to publish. Changes over time in the primary authors or works studied can also be markers in the evolution of the scholarly conversation. As **Garfield** puts it:

[a]n inheritance may always be reevaluated. Some works and historical periods may seem uninteresting to scholars for a time.

Then someone will come along with a new perspective or fact and

the subject or period will be resurrected. These shifts of interest in the humanities are one of the scholarship's most characteristic features **(1980b: 42-43)**.

This information may be of use also to those librarians who are responsible for the development of collections of primary materials for scholarly study and for senior scholars mentoring junior scholars or overseeing the education of students.

This main question engenders the following more specific sub-questions:

General Characteristics of Primary Works Referenced

- C.01. What are the *types of primary works referenced* formally and informally, e.g., novels, short stories, poems, films, TV or radio programs or series, art works, graphic narratives, games, etc.?
- C.02. What are the *publication types (formats)* in which these primary works are referenced?
- C.03. What are the *languages* of the primary materials referenced?
- C.04. What are the *dates of publication or production of the specific editions or manifestations* of the referenced primary materials?
- C.05. What are the *original dates of publication or production* of the primary materials, or the date of creation or production if not yet published?

- C.06. What is the *age (in years) of the specific editions or manifestations* of the primary materials as referenced relative to the date of the referencing source document?
- C.07. What is the *age (in years) of the primary works as originally published, produced, or created* (if unpublished) relative to the date of the referencing source document?

General Characteristics of Authors of Primary Works Referenced

- D.08. By *gender*, what is the *frequency and distribution of primary creative authors* formally or informally referenced?
- C.09. By *national or country affiliation(s)*, what is the *frequency and distribution of primary creative authors* referenced?

Creative Authors and Works: Core or Neglected?

- C.10. Which *authors or creators* of primary works are *most frequently* formally or informally *referenced*; is there a core? What specific *primary works of these creators* are *most frequently referenced*; is there a core of referenced primary works?
- C.11. What specific *magazines or anthologies* are *most frequently referenced*; is there a core of referenced multi-author publication venues for primary works?

C.12. What comparisons may be made between the primary works referenced in *Extrapolation* and the primary works listed on “A Draft of the Science-Fiction Canon to be proposed at The 1961 MLA Conference on Science Fiction” presented in *Extrapolation* (**Hillegas 1961**), with the lists of most widely assigned authors, books, anthologies, and films reported in *Science Fiction Studies*’ special section on “Science Fiction in Academe” (**Evans and Mullen 1996: 525-526**), and, with the primary authors or works identified as ‘neglected’ in *Science Fiction Studies*’ November 1993 survey of writers and critics on “Unjustly Neglected Works of Science Fiction” (**Science Fiction Studies Editors 1993**)?

4.3. Future History: Methods and Procedures

How was the data captured to enable the discovery of some answers to the research questions? And how did this bibliometrician deal with the inevitable errors or missing elements in the data found in the publications by the less-than-perfect scholars and examined by the equally-less-than-perfect bibliometrician?

4.3.1. The Laws of Robotics: Data Capture Instrument and Data Elements

Data Capture Instrument: To capture all of the information potentially needed for the various analyses a data capture instrument was created as a simple worksheet in Microsoft Excel. For each initial quinary (5-year/5-volume) file the rows of data were dedicated either to information on the individual item published within *Extrapolation* (the source documents: article, editorial, etc.), or to the identifying information on each of the items referenced by these source documents as found either within the formal Works Cited list or Notes (foot- or end-), or informally as annotations generally within works cited entries or as in-text references within the body of each document.

Data Capture Elements: To capture all of elements needed for the various analyses posed by the research questions noted above, as well as for those anticipated for other future post-dissertation analyses, the research questions were examined to identify the variables which would be used to attempt to answer them. Then these elements were translated into column labels for the worksheet which were expanded and modified as necessary during the initial experience of data capture.

The first data capture was performed not on items from *Extrapolation*, but on the initial 26 volumes of conference proceedings affiliated with the J. Lloyd Eaton Conference (1979-1999; published 1980-2005) together with the three *Companions to Science Fiction* from Blackwell (**Seed 2005**), Cambridge (**James and Mendlesohn 2003**), and Routledge (**Bould, Butler, Roberts, and Vint 2009**), all of which originally were to be part of the much more expansive bibliometric study proposed to my committee. As reality set in, and upon the advice of the Committee and the urging of the Chair, the list of source documents to be included in the study was revised downward and yet further downward through several quarters, to the more manageable, yet still very time-consuming, journal *Extrapolation* only. The experience of capturing data from the Eaton Conference and the Companions volumes shaped the final data capture instrument, and some of the Eaton data formed the basis for a presentation made at the 2011 Eaton Conference (**Swigart 2011**).

Once the data capture instrument was determined to be adequate, the columns were labelled as noted below. During subsequent data analysis an additional column was sometimes inserted to facilitate the manipulation of the rows and to insure all rows were included in the analysis of each requisite data element. If there are data issues specific to particular research questions, those issues will be discussed in the introductory section for each question in Chapters 5, 6, or 7.

The columns of the initial quinary-based spreadsheets were dedicated to the following data elements:

Column A. Source Document Type: One of the ten types of items published in *Extrapolation*: Article, Bibliography, Call for papers, Editorial material,

Letter, Note, Primary Literature (poem, fiction), Review, Index to the volume or to multiple volumes, and Advertisement, from which the data was extracted.

Column B. Data Element Type: The type of item, or element, given on that particular line:

a-sd = the source document bibliographic information;

b-wc = an item from the Works Cited list;

c-no = an item from an endnote or footnote;

d-ban = bibliographic annotation, i.e., an item from the abstract or summary of a Bibliography source document reference, or from other non-bibliographic information of a Works Cited item; and,

e-txt = an item from a reference in the main body of the text of the source document.

Column C. Source Document Identification: A unique identification for each item published in *Extrapolation* as well as for all the various references given within that item: volume and issue number, whole issue number [not needed for *Extrapolation*; other F&SF scholarly journals have them] first page number of item, and, if more than one item started on that page a distinguishing letter “a” or “b” for the first or second item, e.g.,
EXT.50.3.000.377b.

Column D. Source Document Date: The year of publication of the item in *Extrapolation*.

Column E. Item Classification: Each item referenced, other than the source document itself, was labelled as Primary (P) for primary or creative works, e.g., novel, poem, short story, film, television program, etc.; as Secondary (S) for scholarly, critical, historical, review, or other non-primary works; or, as Neither (X) for references or mentions to individuals or publications without further reference to any specific named primary or secondary work. Secondary and Neither referenced items were captured in anticipation of future planned analyses.

Column F. Referenced Document Type: Primary and Secondary items were further characterized as to more specific type, e.g., short fiction, novel, poem, radio program, book collection (comprised of items by an individual), book anthology (comprised of items by multiple individuals), article, review (when identifiable as a review, otherwise called article), bibliography, etc.

Column G. Referenced Document Publication Format: For items with stated bibliographic information an indication of the type of publication referenced, e.g., scholarly journal, popular magazine, newspaper, book, book collection or anthology, website, etc. Some items in the foot- or end-Notes and annotations and virtually all of the in-text references lack this specific data.

Column H. Notes: Initially for temporary notes to signal information needing clarification; later used for Library of Congress classification class letter(s) for future analysis of Secondary Works.

Column I. Author: For source document items (data element code=a-sd), the scholar, editor, or review author of an *Extrapolation* document; for all other data elements the references formal and informal in the source document: creative author, scholar, artist, media creator, or other individual or organization responsible for an item referenced in the Works Cited lists, foot- or end- Notes, or in the in-text references.

Column J. Title: The title of the item listed or mentioned.

Column K. Publication Source Title: The title of the larger 'container' of shorter items listed in Column J, where these shorter items were published, e.g., title of the journal or magazine, book collection or anthology, television series, etc.

Column L. Publication Source Bibliographic Information: The particular bibliographic information given for a journal, magazine, or newspaper article, e.g., volume and/or issue number, date, pagination; for a book or media item, e.g., place, publisher, date, or production or releasing company (if given) and date; or, at a minimum the date of publication, broadcast, or release.

Column M. Supplied Information Source Code: A brief code noting the source(s) of any information that was supplied from outside the item as published in *Extrapolation*, e.g. original date of publication, nationality of individual, etc.

Column N. Publication Date: The specific year of publication as given in *Extrapolation* in the Works Cited, foot- or end- Notes, or in-text references.

Column O. Original Publication Date: The year of original publication of the item; important for items known to have been published elsewhere and elsewhere than in the specific edition listed in the publication source title (K) and its associated bibliographic information, as when a non-English language item is translated (sometimes decades later) and published in English, or perhaps a short fiction originally published in an F&SF magazine then subsequently reprinted in a book collection or anthology which is the specific source publication referenced in *Extrapolation*. If the item listed was known or suspected to not have been published originally in the item referenced, then the original publication date was sought in such sources as the *Encyclopedia of Science Fiction* (**Clute and Nicholls**, 2nd ed., **1993** or 3rd ed., **continuously updated online**), the *Internet Speculative Fiction Database* (**continuously updated online**), or in various commercial databases such as the *MLA International Bibliography* or *WorldCat*.

Column P. Publication Item Age: The age of the referenced item calculated by subtracting the publication year of the item as referenced from the publication year of the *Extrapolation* Source Document giving the reference (column D – column N).

Column Q. Original Item Age: The age of the item referenced calculated by subtracting the original publication (or creation) year of the item referenced from the publication year of the *Extrapolation* Source

Document giving the reference (column D – column O); always equal to or older than Publication Item Age (P).

Column R. Language: The language of the publication as referenced if not English; English was assumed unless otherwise indicated.

Column S. Gender of Author: The author of the referenced item was categorized as Male (M) or Female (F) when known or determinable, otherwise as Unknown (U), or as Organization or Group (O or GP) as appropriate (these items are coded NR: Not Relevant for gender); for items of group or collaborative 'authorship' (e.g., films, television programs, etc.) and for nearly all religious texts, the gender was given as Not Relevant (NR).

Column T. Nationality of Author: The author of a primary creative item (only) was categorized as to nationality when known or determinable. No attempt was made to determine nationality for scholars, reviewers, or authors of other Secondary items for future analyses; organizations or groups (e.g., Beatles) are likewise left stateless.

Column U. Number of *Formal* Citations in Works Cited in Source Document:
The number of items formally referenced in the Works Cited section of an item. The Works Cited list was not a regular feature of items in *Extrapolation* until the Summer 1986 (27.2) issue; prior to this issue there was a Notes section for those items with a formal referencing scheme. Prior to the Summer 1986 issue, the Works Cited categorization was used primarily for items listed in the Bibliography Source Document Type as so

identified in Column A. Items referenced in Works Cited lists have priority over all other references; if an item is listed in a Works Cited list, then subsequently mentioned in a Note, in a bibliographic annotation, or as expected, within the text of the source document, the Works Cited reference is the one which is used in the analysis. This information is found on the *Extrapolation* Source Item row only.

Column V. Number of *Formal* References in Notes/Footnotes in Source

Document: The number of items formally referenced in any Notes or footnotes section of an item. Notes items have secondary priority after Works Cited items; if a Notes item is subsequently mentioned in a bibliographic annotation or in the text of the source document itself, but not in a Works Cited list then the Notes item data is what is used in the analysis. This information is found on the *Extrapolation* Source Item row only.

Column W. Number of *Informal* References in Bibliographic Citations or

Annotations in Source Document: This is the number of items informally referenced in the annotations found most commonly in items listed in a Bibliography Source Document Type, or occasionally mentioned in a formal bibliographic reference in a Works Cited item beyond that information strictly needed for a bibliographic reference, such as when the actors in a film or in a television series episode or a music composer are given. These informal annotation references have tertiary priority behind the formal Works Cited and Notes references, and ahead of the in-text

references. This information is found on the *Extrapolation* Source Item row only.

Column X. Number of *Informal* References in the Text of the Source Document:

The number of items informally referenced within the body of the text of the *Extrapolation* source document item which were not otherwise formally referenced in the Works Cited list, in foot- or end Notes section, or even informally in a bibliographic annotation. This information is found on the *Extrapolation* Source Item row only.

Column Y. Total Number of *Formally* Referenced Items in Source Document:

The sum of the items formally referenced as given in columns U and V. This information is found on the *Extrapolation* Source Item row only.

Column Z. Total Number of *Informally* Referenced Items in Source Document:

The sum of the items informally referenced as given in columns W and X. This information is found on the *Extrapolation* Source Item row only.

Column AA. Total Number of All *Formally* and *Informally* Referenced Items in

Source Document: The sum total of all items formally and informally referenced as given in columns U, V, W, and X. This information is found on the *Extrapolation* Source Item row only.

Column AB. Gender of Source Document Author: The author of an

Extrapolation Source Document item was categorized as Male (M) or Female (F) when known or determinable, otherwise as Unknown or Undetermined (U); no non-binary individuals were identified.

Column AC. Institutional Affiliation of Source Document Author: The college, university, or other institution with which the *Extrapolation* Source Document scholar-author is identified as being affiliated is noted when possible; information is usually found in the Contributors section of the issue beginning with the December 1972 (14.1) issue, earlier issues sometimes noted affiliation at the beginning or end of the item.

Column AD. Geographical Location of Source Document Author: The United States or Australian state, Canadian province, United Kingdom country, or other country which is the location of the Source Document Author's institution is identified when possible. If institutionally unaffiliated, geographical residence location as the time of the publication is given when known.

Column AE. Institutional Status of Source Document Author: As given, usually in the Contributors section or, for early volumes at the end of the item, the Source Document Author is identified as a professor (rank if given), student (graduate or undergraduate if given), librarian, etc.

Column AF. Departmental or Disciplinary Affiliation of Source Document Author: When identified, the department or disciplinary affiliation is noted for the Source Document Author.

Column AG. Listed in *Science Fiction & Fantasy Research Database* (Hall): Was Source Document item listed in this database, bibliography, or index: Yes or No. Cushing Library, Texas A & M University, College Station; confirmed 12 June 2015. (Listed=Yes=1; Unlisted=No=0)

Column AH. Listed in *Science Fiction & Fantasy Book Review Index (Hall)*: Was Source Document and/or items reviewed listed in the print versions of this index or in the online version of the database: Yes or No. Print: 1923-1973, 1974-1979, 1980-1984 Detroit: Gale, 1975, 1981, 1985; 1985-1990 annuals Bryan, TX: Hall, 1986-1991. Online: Cushing Library, Texas A & M University, College Station, 2015; confirmed 15 July 2015.
(Listed=Yes=1; Unlisted=No=0)

Column AI. Listed in *MLA International Bibliography (MLA)*: Was Source Document item listed in this bibliographic database: Yes or No. EbscoHost at California State University, Long Beach; confirmed 9 June 2015. (Listed=Yes=1; Unlisted=No=0)

Column AJ. Listed in *Annual Bibliography of English Language and Literature (ABELL)*: Was Source Document item listed in this bibliographic database: Yes or No. Chadwyck Healy at UCLA; confirmed 10 June 2015, updated 22 October 2017. (Listed=Yes=1; Unlisted=No=0)

Column AK. Listed in *Web of Science*: Was Source Document item listed as a citing (source) document in this bibliographic citation database: Yes or No. *Web of Knowledge*, Thompson Reuters at UCLA; confirmed 10 June 2015. (Listed=Yes=1; Unlisted=No=0)

Column AL. Listed in *Academic Search Complete (ASC)*: Was Source Document item listed in this bibliographic database: Yes or No. EbscoHost at California State University, Long Beach; confirmed 10 June 2015. (Listed=Yes=1; Unlisted=No=0)

Column AM. Listed in Google Scholar: Was Source Document item listed in this database, bibliography, or index: Yes or No. *Note*: This data element was subsequently eliminated from the potential data analysis so the data was not captured; the column remains should a future analysis be undertaken.

Column AN. Listed as a Web of Science Cited Reference: Was Source Document item listed as a Cited Reference in items in this database, bibliography, or index: Yes or No. *Web of Knowledge*, Thompson Reuters. *Note*: This data element was subsequently eliminated from the potential data analysis so the data was not captured; the column remains should a future analysis be undertaken.

Column AO. Listed as a Google Scholar Cited Reference: Was Source Document item listed as a Cited Reference in items in this database, bibliography, or index: Yes or No. *Note*: This data element was subsequently eliminated from the data analysis so the data was not captured; the column remains should a future analysis be undertaken.

Column AP. F&SF Scholarship or Service Awards Won by Source Document Author. See Appendix B for a list of the F&SF award winners.

A Note on the Data Display Tables: In many of the tables to be displayed in this dissertation, if a particular cell had no (zero) data to report, that cell is left blank. This decision was taken in the interests of a clearer visual display of those cells for which there is data. Percentages may be shown to the first or second decimal place as seems appropriate.

4.3.2. The Machine Stops: Missing and Erroneous Data Elements

Whenever possible, the information in the spreadsheet came directly from the issues of *Extrapolation* covered. However, occasionally some information was erroneous or an obvious typographical error (e.g., giving the date of the first publication of Mary Shelley's *Frankenstein* as 1881 rather than the correct 1818; referring to writer Samuel R. Delany incorrectly as Delaney), sometimes information was missing, primarily from the references given, affiliation information for reviewers, or as needed to determine the proper definition of a characterization of an attribute.

Erroneous information was noted as *sic* during data capture and then corrected when possible. Missing information for some elements (particularly dates) was provided from outside the journal by consultation with a large variety of reference resources. Among the more commonly used of these reference resources were *The Encyclopedia of Science Fiction* (Clute & Nicholls 2nd ed. 1993; 3rd ed. **continuously updated online**), *The Encyclopedia of Fantasy* (Clute & Grant 1997), the *Internet Speculative Fiction Database* (**continuously updated online**), the *Cambridge Biographical Dictionary* (Magnusson, 1990), *Contemporary Authors* (**continuously updated online**), *The Oxford Classical Dictionary* (Hammond & Scullard 1970), *The Oxford Companion to American Literature* (Hart & Leininger 1995), *The Oxford Companion to English Literature* (Drabble 1985), and various commercial databases such as the *MLA International Bibliography* or OCLC's *WorldCat*.

Very occasionally material, usually secondary material, was quoted with a reference given in the body of the text of the *Extrapolation* source document, but the corresponding bibliographical reference would be missing from the Works Cited list. In

these cases, sometimes the author and date given would be sufficient to direct one via the *MLA International Bibliography* or other database to the probable source which would permit the identification of the text to be confirmed; at other times it was necessary to search for appropriate pieces of the quoted material via the specialized **Google Books** search engine, or **Google** more generally. Sometimes the missing formal citation was identified satisfactorily, at other times the best efforts of space mice and fantastic librarians came to naught.

CHAPTER 5:
EXTRAPOLATION:
THE NATURE OF THE JOURNAL

5.1. Extrapolation: The Questions

Question A. The Source Publication: What is the nature of *Extrapolation*, the source publication chosen to represent this scholarly community?

The purpose of Question A is to describe the first Fantasy and Science Fiction Studies scholarly journal, *Extrapolation*, as a whole during its first fifty volumes/years both from the perspective of the types of materials published and of those responsible editorially for its contents. This question of the nature of *Extrapolation* engenders the following more specific sub-questions:

- A.01. Who are the *editors and the editorial board members* responsible for the contents of the journal, as revealed by their institutional affiliations, geographic locations, academic disciplines or occupations, gender, and any awards won for their F&SF scholarship?
- A.02. What is the stated *purpose* (or goals) of the journal?
- A.03. What are the *sponsoring organizations and publishers* responsible for issuing the journal over the fifty years from December 1959 through Fall 2009?
- A.04. What is the *frequency* of publication of the journal?

- A.05. What is the distribution of *individual document publication types* in the journal as a whole, e.g., articles, reviews, letters to the editor, editorial materials, advertisements, etc.?
- A.06. What proportion of the individual publication document types are *indexed* in selected general, Literature specific, and Fantasy and Science Fiction Studies specific indexes; are there gaps in coverage due to index specific subject or chronological restraints?

The most important questions for the development of the journal as a journal and as a representative of scholarship in the area of F&SF Studies are those regarding the editors and editorial board members who shape a journal by their choices or recommendations on the potential contents of the publication, and the purpose or goals of the journal which should guide both those in editorial charge and those who advise those editors. Questions about the sponsors or publishers of the publication, frequency of publication, and the type of items published and indexed are designed to characterize and to provide contextual background for the history and overall contents of the publication. For these and all subsequent questions, the issue of change over time is important for understanding the expected evolution of a journal and of the field of study of which it is a part.

5.2. Extrapolation: Editors and Editorial Advisors

A.01. *Who are the editors and the editorial board members responsible for the contents of the journal as revealed by their institutional affiliations, geographic locations, academic disciplines or occupations, gender, and any awards won for their F&SF scholarship?*

The breadth and depth of the interests of a journal's editor(s) and of the editorial advisors to the editor(s) shape the contents of a journal within the subject area to which that publication is devoted and influence its presentation to the scholarly world, hence this look at *Extrapolation's* Editors, Editorial Staff, and the members of its Board of Editors, later called the Editorial Advisory Board. (Note: For a list of Editors and editorial personnel, see Appendix C: Part 2.)

5.2.1. *Extrapolation*: The Editors and Editorial Staff

The Editors: Through its first five decades *Extrapolation* had three American men listed as primary editor at the top of the masthead:

1959-1989: Thomas D[ean] Clareson;

1990-2001: Donald M[ackey] "Mack" Hassler; and

2002-2009: Javier A[lberto] Martínez.

Clareson (b. 26 August 1926, Austin, Minnesota--d. 6 July 1993, Wooster, Ohio) earned his Ph.D degree in 1956 with a dissertation on "The Emergence of American Science Fiction: 1880—1915: A Study of the Impact of Science Upon American

Romanticism” written under the direction of Robert E. Spiller at Pennsylvania State University. This dissertation followed upon an A.B. from the University of Minnesota (1946), an M.A. from Indiana University (1949), and an early career writing for the comics in New York, doing technical writing, and teaching English in several places. This pre-finished-dissertation career included the publication of his essay “The Evolution of Science Fiction” in the **August 1953** issue of *Science Fiction Quarterly*, the last surviving pulp format SF magazine, an essay based upon a paper he had presented at the 1952 Philcon, a regional SF fan convention. He began his academic career proper as an Instructor, then a Professor, of English (1955-1993) at the College of Wooster, a private liberal arts college in Wooster, Ohio.

The F&SF academic editorial odyssey of the developing English instructor began with a post-conference panel remark. As Clareson recalled it:

[i]n December 1959 *Extrapolation* began publication as the Newsletter of the Modern Language Association Seminar on Science Fiction. Two years earlier at the MLA meeting in Washington in 1957, as a group of us left a meeting devoted to ‘Science and Literature’ (which dealt on that occasion at least, with topics in the 17th and 18th centuries), someone remarked that he wished he had heard a paper on science fiction. Before the conversation ended, we resolved to petition for a special meeting in 1958, and Professor Scott Osborn of Mississippi State University agreed to take on the red tape necessary to set up the session. He was kind enough to ask me to chair it. Then, in 1958, in New York

City, the first seminar took place: 'The Significance of Science Fiction.' Before it ended, Professor J. O. Bailey of the University of North Carolina, whose early study of the genre, *Pilgrims Through Space and Time* (1948), had pioneered the field, agreed to chair the next meeting. So we submitted the necessary annual petition and the 1959 seminar was approved. **(Clareson 1978a: n. pag.)**

Thinking that the continuance of the Seminar would be helped along with a newsletter, Clareson put together a stapled issue of a modest 20 pages of 8.5" x11" paper, called it *Extrapolation*, and began to distribute it before the late December 1959 MLA annual meeting. Although Clareson and his initial co-editor Edward S. Lauterbach (Purdue), had expected the attendees of that Seminar to "both approve and/or modify its [*Extrapolation's*] basic plan and select an editor and editorial committee to serve for at least the next several years" **(Lauterbach and Clareson 1959: 1)** Clareson found himself in charge of the publication, and thus initiated one of the focal points of his career. As recounted earlier (Chapter 2), the Seminar and its newsletter led to the three scholarly conferences called Secondary Universe, the third (1970) of which saw the birth of the Science Fiction Research Association (SFRA) with Clareson as the Chairman of the Executive Committee. He served as the Chairman, then President, of the SFRA from 1970-1977.

In addition to the editorship of *Extrapolation*, Clareson researched, wrote, edited, and published books, articles, and reviews, primarily in the field of F&SF, but also on the Victorian novelist Charles Reade. In 1977 the SFRA gave him its Pilgrim Award for lifetime achievement in F&SF scholarship. In 1985 he published *Some Kind of Paradise*

which had its origins in his dissertation and for which he won the J. Lloyd Eaton Conference's Eaton Memorial Award for best critical book. Later he was the namesake of the SFRA's Thomas D. Clareson Award for Distinguished Service "presented for outstanding service activities-promotion of SF teaching and study, editing, reviewing, editorial writing, publishing, organizing meetings, mentoring, and leadership in SF/fantasy organizations" with the first awardee (1996) his friend and great SF author and editor Frederik Pohl ("**Clareson Award**" 2015). By 1989, however, he was ready to state "Thirty years is enough. With this issue I am retiring as editor of *Extrapolation*, knowing that it is in the capable hands of Mack Hassler and KSUP [Kent State University Press]" (1989: 307). (Ashley 1985; Barron 1993: 4-5; Clareson 1970b; Clareson 1984; Nicholls 1993: 228; "Thomas" 2000: 53)

Hassler (b. 3 January 1937, Akron, Ohio) joined the *Extrapolation* editorial team as Managing Editor with the Summer 1986 (27.2) issue after initially serving on the Board of Editors starting in 1985. He was promoted to Co-Editor with the Winter 1987 (28.4) issue with Clareson's title changed to Founding Editor. With Clareson's retirement to the status of Founding and Emeritus Editor, Hassler became Editor with the Spring 1990 (31.1) issue. His collegiate career included a B.A. from Williams College (1959) and an M.A. from Columbia University (1960) which then awarded him the Ph.D in 1967 with a dissertation on "The Poems of Erasmus Darwin". In 1967 "Mack" Hassler joined the Department of English at Kent State University in Kent, Ohio, the main research campus of a state-supported system of campuses in northeastern Ohio, and ultimately rose to the rank of Professor.

Like Clareson, Hassler researched, wrote, edited, and published books, articles, and reviews in the field of F&SF (Isaac Asimov and Arthur Machen in particular), but also on his favorite 18th century author and physician Erasmus Darwin, grandfather of Charles “Origin of Species” Darwin. Hassler too was the recipient of the Eaton Conference’s 1991 Memorial Award for best critical book for his *Isaac Asimov*, and was given the SFRA’s Clareson Award for Distinguished Service in 2001.

When, in the fall of 2000, the Kent State University Press informed him that 2001 “would be the last year that the Press would publish *Extrapolation*” and that “[t]hey assured me that they were making a ‘small business decision’ and not a literary judgement”, Hassler oversaw the process for locating a new publisher for the journal, finding it a new home at the University of Texas, Brownsville/Texas Southmost College and himself a new editorial companion in Javier Martínez, “a bright young member of the organization [SFRA], whom I had heard present a fascinating paper in Cleveland a year ago on Latino SF and who was presenting again in Albany” (**Hassler 2001b: 301, 302**). With the successful move with the Spring 2002 (43.1) issue, Hassler assumed the title of Executive Editor at the top of the masthead, with Martínez as Editor. Hassler continued to write most of the introductory editorial pieces in each issue; in one of these his retirement “from daily management work on the journal” was anticipated two years in advance so that he and Martínez could “elicit advice and consultation from our readers and fellow editors as we hope for the continuing vitality of the journal” (**Hassler and Martínez 2005: 419**). His final editorial introduction was in the Summer 2007 (48.2) issue, “Acknowledgements: A Microcosm of Change”, thus acknowledging the editorial

changing of the guard with the next issue. **(Hassler 1967; “Hassler, Donald M. (II)” 1997; Hassler 2007)**

Martínez (b. 10 June 1969, McAllen, Texas), like his predecessors, had some of his roots in the US Midwest, having completed his doctoral work at The Ohio State University with a 1998 dissertation on “The Construction of Race and the Representation of Ethnic Difference in American and British Science Fiction” following his B.A. (1990) and M.A. (1993) at the University of Texas, Austin and Pan American campuses respectively. He returned to his native south Texas to teach, research, and administer at the masters-level University of Texas, Brownsville campus, which at the time was partnered with Texas Southmost College, a community college. With the move of *Extrapolation* to Brownsville, Martínez joined the masthead in 2002 as Editor, with Hassler as Executive Editor. Martínez’s title and role changed to Managing Editor with the publication of the Winter 2007 (48.3) issue, as he now headed an editorial group of three Editors (Butler, Levy, Vint) and a Book Review Editor (Melzer).

(Martínez n.d.; Martínez 1998)

This trio of new Editors added both national and gender diversity to the journal’s main editorial team together with their wide-ranging academic interests (see section 5.3. below). Andrew M. Butler, “the token Brit”, wrote his dissertation in English on “Ontology and Ethics in the Writings of Philip K. Dick” at the University of Hull in 1995, and teaches media and cultural studies at Britain’s Canterbury Christ Church University. He won the 2004 SFRA Pioneer Award for best critical essay-length article for his

“Thirteen Ways of Looking at the British Boom” (2003). The American Michael Levy wrote his 1982 dissertation at the University of Minnesota on “The Transformations of Oberon: The Uses of Fairies in Seventeenth-Century Literature” following on a B.A. in English from the University of Illinois, Champaign (1972) and an M.A. in English from The Ohio State University (1974) with a thesis on “Apocalypse and Apotheosis in the Fiction of Arthur C. Clarke”. He taught English at the University of Wisconsin, Stout, where he has been departmental Chair, and received the SFRA’s Claeson Award for distinguished service to the field in 2007, and, posthumously, the 2018 Mythopoeic Award in Myth and Fantasy Studies with his co-author Farah Mendlesohn for their book *Children’s Fantasy Literature: An Introduction* (2016). Sherryl Vint received her doctorate in 2000 from the University of Alberta, in her native Canada, with a dissertation on “Problematic Selves and Unexpected Others: Technology, Subjectivity, Science Fiction”. At the time she became an Editor she taught English at Brock University in Ontario, although subsequently she joined (2012) the University of California, Riverside, in the English Department and the Science Fiction and Technoculture Studies program. Like Butler, she too won the SFRA’s Pioneer Award (2008) for her essay “Speciesism and Species Being in *Do Androids Dream of Electric Sheep?*” (2007), and like Levy before her, the SFRA’s Claeson award for service (2019). A fourth Editor, Lisa Yaszek, joined the group the next year after a year (2008) as a member of the Editorial Advisory Board. Yaszek, who teaches in the Literature, Media, and Communication program at Georgia Institute of Technology, wrote her dissertation on “The Self Wired: Technology and Subjectivity in Contemporary Narrative” in 1999 at the University of Wisconsin, Madison. Like Hassler and Levy

before her, Yaszek received the Clareson Award for service (2014); she has also won SFRA's Mary Kay Bray Award for the best essay, interview, or extended review in the *SFRA Review* for her "Narrative, Archive, Database: The Digital Humanities and Science Fiction Scholarship 101" (2013). Her *Extrapolation* article "The Women History Doesn't See: Recovering Midcentury Women's SF as a Literature of Social Critique" (2004) won the SFRA Pioneer Award. Rounding out the editorial group is Patricia Melzer, a German and Women's Studies professor at Temple University, whose 2002 dissertation on "Alien Constructions: Science Fiction and Feminist Theories" was awarded by Clark University. (**A. Butler 2014; Levy n.d.; Melzer n.d.; "Science Fiction and Technoculture Studies" n.d.; Vint 2015; Yaszek n.d.)**)

Other Editors and Editorial Staff Members: In its first fifty years and volumes, *Extrapolation's* masthead has shown these eight individuals as chiefly responsible for the editing of the journal, five men and three women, of whom six are American, and one each English and Canadian. In addition, over the years a number of others have been shown with some continuing editorial responsibilities. For the first two issues of the journal, English professor Edward S. **Lauterbach** of Purdue University was identified as co-editor with Clareson and they co-authored a bibliography of SF criticism in the second issue, but Lauterbach dropped out of editing the journal at this point. During Clareson's research leave in 1966/67, his English Department colleague at Wooster, Thomas D. **Bowman** served as Acting Editor. Clareson's wife, **Alice S[uper] Clareson**, a high school teacher, librarian, and editor served as his Associate Editor from 1974-1978. Once the journal moved to the Kent State University Press,

Clareson's Associate Editors were two English professors at Kent State, Mary T. **Brizzi** (later published as Mary **Turzillo**) and Carl B. **Yoke**, who both served from the Spring 1979 (20.1) issue through the issue for Spring 1986 (27.1). At this point Hassler took over as Clareson's Managing Editor, then Co-Editor, and finally as Editor which he performed solo from the Spring 1990 issue until a KSU graduate student G. Warlock **Vance**, joined the staff as Managing Editor for the eight issues of 2001 and 2002 during the last year at Kent State and the first year with UT Brownsville. At this remove, it is difficult to determine with clarity the varying levels of responsibility that Alice Clareson, Brizzi, Yoke, and Vance had in advising Clareson or Hassler in determining the scholarly content of *Extrapolation* (see also section 5.1.3.2. below) or if some of them were primarily responsible for copyediting and for taking care of administrative details for Clareson and/or the two publishers. Together with Lauterbach and Bowman, these second-level editors, four men and two women, are all Americans as far as can be determined ("**Alice**" 2013).

During the three-year period that *Extrapolation* published the Spring issue as a "Special Wiscon Issue" the masthead was augmented with three individuals, variously entitled Special Issues Editor, Special Wiscon Issue Editor, and Wiscon Issue Editor: Justine **Larbalestier** (2003 & 2004), Joan **Haran** (2004 & 2005), and Helen **Pilinovsky** (2004 & 2005). They were, respectively, a graduate student at the University of Sydney and later a writer, a professor at Cardiff University, and a graduate student at Columbia University. An Art Director, Deirdre **Storm**, presumably affiliated with the Press, was part of the masthead from 2002 through 2005 (43.1-46.1). The art director and the three special editors are all women, apparently two Americans, an Australian, and one

from the United Kingdom, though whether she is Welsh, English, Scots, or otherwise is undetermined (**Haran n.d.**).

The final members of the editorial staff noted on the journal's masthead were called Editorial Assistants. The longest serving (42.1-48.2 2001-2007) was Sue (Strong) **Hassler**, Editor Hassler's wife and a music teacher. She was joined for 3-6 issues at a time by a rotating number of Kent State students, four undergraduate women, and two graduate students both of whom also published in the journal. While Ms. Hassler and the undergraduate women are apparently Americans, the woman graduate student was originally from China, and the man from Romania. (**S. Hassler n.d.**; **Lu 2004**; **Ratiu n.d.**)

5.2.2. *Extrapolation*: The Board of Editors/Editorial Advisory Board

The potential for an editorial board was bruited in the first editorial in the first issue of *Extrapolation* when **Clareson** and his co-editor **Lauterbach** expected the attendees of the 1959 Seminar to "select an editor and editorial committee to serve for at least the next several years" (**1959: 1**). Finally, in the December 1970 (12.1) issue **Clareson** announced that "[a] Board of Editors, to be international in membership, is now being appointed, but is not yet completed; therefore, we shall announce no names until the spring issue" (3). That announcement was duly made on the table of contents and in his next editorial he indicated that it was desirable that the journal "should have an Editorial Board so that it could more surely represent a broad spectrum of scholarly and critical opinion In asking these individuals to help me, I have tried to bring together a group that has long been interested in the Newsletter and that represents the

diverse approaches to science fiction” (Clareson 1971a: 66). Later, Clareson described in some detail the work and function of the Board *vis-à-vis* him, his Associate Editors, and the scholarly authors:

I receive all manuscripts submitted to the magazine here at Wooster. Occasionally I accept one immediately (usually because it has been solicited or because it has grown out of a conversation or correspondence that the author and I have had over a period of time). If I am almost certain that we want the article, I may try for a quick decision by consulting Alice [Clareson] or either Carl Yoke or Mary Brizzi. Increasingly—probably more than ninety percent of the time—I send the article to a member of the Board. In few cases do I disagree with the decision of the referee; if for some reason I do, the article goes to another Board member. What I do not believe most readers realize is that many of the articles which see publication in *Extrapolation* have been revised by the authors along lines suggested by the referee(s). In a few instances the authors have allowed us to do some editing, almost exclusively in regard to stylistic matters. (Much jesting has been done by various writers of science fiction and fantasy about editors rewriting their fiction. To my mind, no editor has the right to make substantive changes without the consent of the author, whatever the publication. All contributors to *Extrapolation* see an edited typescript of their articles before publication occurs.) What continually surprises (and

pleases) me is the eagerness that almost all writers have for critical appraisal of their work and their willingness to revise, even if such revision means additional research. **(Clareson 1983: 289-290)**

This appears to be the only extended statement published on the function of the Board, and of some aspects of the editing and editorial process engaged in at *Extrapolation*. It appears to be similar what is done at other journals as explained in many class discussions, workshops, and articles about publishing scholarly work.

From that May 1971 issue through the Fall 2009 issue, a total of 68 individuals served on the Board of Editors, later renamed (49.1 Spring 2008) the Editorial Advisory Board (see Appendix C: Part 3 for a complete list of Board members with affiliations and period of service; see also Appendix B: Awards). Since it would not be feasible to discuss each of the board members individually and in detail, nor the minute shifts issue by issue as individuals are invited to join the Board or are dropped due to death or desire. Thus, the composition of the Board shall be analyzed in groups, as to gender, institutional affiliations and locations, disciplines or occupations, awards for F&SF scholarship and service, and any notes, starting with the first Board (12.2 May 1970), then proceeding through to the last Board (50.3 Fall 2009) in the period under discussion, in five volume/year periods using the Board as listed in the last issue of each volume number ending in 5 or 0, thus 15.4 (May 1974), 20.4 (Winter 1975), and so forth. In a few cases, an individual is affiliated with an institution or has a nationality different from their birthplace and known or presumed nationality and/or place of residence during time on the Board, e.g., Blish, Clarke, Merrill, Sapiro; in these cases, the Institutions/Locations category will allocate them 0.5/0.5 shares. The Academic/

Non-Academic category is divided between those who are affiliated with a tertiary institution (academic staff, graduate student, librarian, professor, including retired/emeritus), and those who are not (copyeditor, critic, editor, librarian, reviewer, K-12 teacher, writer) during time on the Board; as with Institutional Affiliation or Location those with a split academic/non-academic occupation or role are allocated 0.5/0.5 between these two roles, e.g. Williamson. As usual, percentages may not always total exactly 100% due to rounding.

Table 5.2.2.a.: Extrapolation Board Members
<i>Initial Board of Editors (12.2 May 1971)</i>
Members: Brian W. Aldiss; J. O. Bailey; James Blish; I. F. Clarke; Samuel R. Delany; Alex Eisenstein; Julius Kagarlitski; Judith Merrill; Richard D. Mullen; Alexei Panshin; Franz Rottensteiner; Lionel Stevenson; Richard West; Jack Williamson.
Number of Members: 14.
Gender Distribution: Men: 13 (92.9%); Women: 1 (7.1%).
Location: US: 9 (64.3%); Canada: 0.5 (3.6%); UK & Europe: 4.5 (32.1%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 6.5 (46.4%); Non-Academic: 7.5 (53.8%).
Awards for F&SF Scholarship or Service: Eaton Lifetime: 1; Eaton Memorial: 1; Eaton Milford: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inklings: 1; SFRA Pilgrim: 6; SFRA Pioneer: 1.

May 1971: The inaugural Board of Editors presented in the May 1971 (12.2) issue (Table 5.2.2.a. above) consisted of fourteen individuals, nearly evenly divided between academics and non-academics with professional writing or critical interests in the field of science fiction and fantasy. While Aldiss, Blish, Delany, Merrill, and Panshin were writers of science fiction who also were editors or who wrote reviews and critical articles, Eisenstein was primarily a reviewer and critic; only Williamson split his time

between writing science fiction and teaching and publishing in academic and other publications. While the academics were primarily professors (Bailey, Clarke, Kagarlitski, Mullen, Stevenson), one was a librarian (West). The other librarian (Rottensteiner) worked in a professional institute in Austria devoted to building research and was an independent F&SF reviewer, critic, book editor, and editor-publisher of the sercon fanzine *Quarber Merkur* (1963-date).

The gender division of the Board, with only one woman (7.1%), was somewhat unbalanced when compared with the genders of the scholar-authors who had been published in *Extrapolation* to this point, as there had been sixty-six articles or bibliographies published with a total of sixty-seven authors or co-authors of whom fourteen (20.9%) were women. Geographically, the Board had some northern hemispheric diversity with eight members based in the United States (Bailey, Delany, Eisenstein, Mullen, Panshin, West, Williamson), including one (Stevenson) who had been born in Scotland, educated in Canada, the US, and England, but who spent most of his adult life teaching in the US. Two of the Americans were non-resident, one in England (Blish) and the other (Merril) in Canada where she would subsequently take citizenship. The other four Board members were based in Austria (Rottensteiner), Russia (Kagarlitski), and two in the UK, one in England (Aldiss), and the other in Scotland (Clarke) although he had been born in England.

The first award for F&SF scholarship or service was the Pilgrim Award for lifetime contributions to SF&F scholarship presented in mid-October 1970 during the inaugural meeting of the Science Fiction Research Association. The name of the award comes from the title *Pilgrims through Space and Time* (1947), the early and influential history of

science fiction, and it was presented to the author of that volume, Professor J. O. Bailey (University of North Carolina, Chapel Hill), who was one of the original member of the first MLA Seminar on SF in 1958 and who had chaired its second Seminar (**Clareson 1980: 3**). At the time the first Board was announced, there were five future Pilgrims on the Board (Aldiss, Clarke, Delany, Kagarlitski, Williamson), as well as future winners of other awards: the SFRA's Pioneer Award for best critical essay-length work, and the International Association for the Fantastic in the Arts' Distinguished Scholarship Award for a career in F&SF scholarship, and as well as several future winners of awards presented by the Eaton Conference and the Mythopoeic Society. While not presented for scholarship or scholarly service, six of these early Board members (Aldiss, Blish, Delany, Merril, Panshin, Williamson) then or later were also nominees and/or recipients of the fan-based Hugo Award and of the Nebula Award presented by the professional writers' group, the Science Fiction Writers of America (SFWA), now Science Fiction & Fantasy Writers of America.

Table 5.2.2.b.: Extrapolation Board Members
Board of Editors (15.2 May 1974)
Members: Brian W. Aldiss; J. O. Bailey; I. F. Clarke; Alex Eisenstein; Patrick G. Hogan; Jr.; Julius Kagarlitski; Richard D. Mullen; Franz Rottensteiner; Leland Sapiro; Richard West; Jack Williamson.
Number of Members: 11.
Gender Distribution: Men: 11 (100.0%); Women: 0 (0.0%).
Location: US: 6.5 (59.1%); Canada: 0.5 (4.5%); UK & Europe: 4 (36.4%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 7.5 (68.2%); Non-Academic: 3.5 (31.8%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 1; Eaton Milford: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Pilgrim: 5; SFRA Pioneer: 1.

May 1974: After seven issues with a Board of Editors, there were already some changes evident in its composition at the end of the third quinary in May 1974 (Table 5.2.2.b. above). Two additions had been made to the Board with the December 1972 (13.1) issue, an American academic (Hogan), and the editor of the sercon 'zine, *Riverside Quarterly* (1964-1995) Sapiro, a peripatetic American professor of mathematics who taught at a number of universities in the US and Canada during his career. Four of the professional writers (Blish, Delany, Merril, Panshin) left the Board after the May 1973 (14.2) issue, while Professor Stevenson died in December 1973 as that issue (15.1) was being published and distributed.

The departure of so many creative writer-critics left the Board more heavily academic, and that of Merril left the Board entirely male, a condition which continued for four volumes (15.1-18.2 December 1973-May 1977). With the comings and goings, the reduction in size from fourteen to eleven members left the Board statistically less North American oriented with four UK and European members. As for awards for F&SF scholarship or service, the Board still included five winners or future winners of the SFRA's Pilgrim Award, and the future winners of an additional five awards.

Winter 1979: This Winter 1979 (20.4) issue represents the Board at the culmination of the first year of publication by Kent State University Press (Table 5.2.2.c. below). Early in this quinquennium two new academic members were appointed, the Texas A&M University librarian, indexer, and bibliographer Hall, and professor Wymer.

Table 5.2.2.c.: Extrapolation Board Members
Board of Editors (20.4 Winter 1979)
Members: Brian W. Aldiss; Mary Kenny Badami; J. O. Bailey; Neil Barron; Alice S. Clareson; I. F. Clarke; Elizabeth [Cummins] Cogell; Alex Eisenstein; H. W. Hall; Patrick Hogan; Jr.; Julius Kagarlitski; Thomas J. Remington; Richard C. West; Jack Williamson; Thomas L. Wymer.
Number of Members: 15.
Gender Distribution: Men: 12 (80.0%); Women: 3 (20.0%).
Location: US: 12 (80.0%); Canada: 0 (0.00%); UK & Europe: 3 (20.0%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 10.5 (70.0%); Non-Academic: 4.5 (30.0%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Clareson: 1; SFRA Pilgrim: 7; SFRA Pioneer: 1.

Two of the original members, Mullen and Rottensteiner left the Board after the May 1977 (18.2) issue, along with Sapiro. These three departures led to the immediate appointment by the next issue (19.1 December 1977) of professors Badami and Cogell (originally and then later, Cummins) who broke the all-male gender-drought. By the time of the first Kent State issue two springs later, they were joined by the librarian and bibliographer-editor of the *Anatomy of Wonder* reference work series (1976-2004) Barron whose professional career was primarily spent in non-academic libraries and with library services companies; by high school teacher and librarian Alice Clareson, wife of editor Tom Clareson who had been working with him both informally from *Extrapolation's* earliest days then officially as Associate Editor (15.2-19.2 May 1974-May 1978); and by professor Remington.

These new appointments brought the academic contingent to 70.0%, up slightly from May 1974's 68.2%, but also more heavily American than ever before at 80.0% in comparison with the original Board's 64.3% and the intervening 59.1% of five volumes

and five-and-a-half years previously. The three women accounted for 20.0% of the Board membership at this time. Seven then present or future Pilgrim Award winners were serving on the Board, along with the present and future winners of an additional five awards, including the SFRA's Clareson Award for service to the promotion of F&SF teaching, editing, reviewing, mentoring, organizing and leadership.

Winter 1984: At this point (Table 5.2.2.d. below), half way through the fifty years under consideration, *Extrapolation's* Board of Editors had grown to encompass eighteen members including the six new academic members, all affiliated with American institutions of higher education, who had joined it over the preceding five years (Abrash, De Bolt, Friend, McClintock, Schlobin, Warrick). Badami and Barron left after the Winter 1982 (24.4) issue with five and four years of service respectively, while Bailey died in October 1979 remaining on the Board listing through the Spring 1982 (23.1) issue.

Table 5.2.2.d: Extrapolation Board Members
Board of Editors (25.4 Winter 1984)
Members: Merritt Abrash; Brian W. Aldiss; Alice S. Clareson; I. F. Clarke; Elizabeth [Cummins] Cogell; Joe DeBolt; Alex Eisenstein; Beverly Friend; H. W. Hall; Patrick Hogan; Jr.; Julius Kagarlitski; Michael W. McClintock; Thomas J. Remington; Roger C. Schlobin; Patricia Warrick; Richard C. West; Jack Williamson; Thomas L. Wymer.
Number of Members: 18.
Gender Distribution: Men: 14 (77.8%); Women: 4 (22.2%).
Location: US: 15 (83.3%); Canada: 0 (0.0%); UK & Europe: 3 (16.7%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 14.5 (80.6%); Non-Academic: 3.5 (19.4%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 1; IAFA Collins: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Clareson: 2; SFRA Pilgrim: 5; SFRA Pioneer: 1; SUS Hough: 1.

The Board as listed had risen to eighteen members, with the non-US representation number holding steady at three (16.7%; Aldiss, Clarke, Kagarlitski) as it would do through the Summer 2000 (41.2) issue. The proportion of academics represented on the Board rose to 80.6% from the previous 70.0%, a far greater rise than that of the four women now on the Board, their proportion rising only a little to 22.2% from the 20.0% of half-a-decade before. Five present or future Pilgrims were on the Board, along with eight winners and future winners of other awards including the newly represented Robert A. Collins Service Award given for outstanding service to a member of the International Association for the Fantastic in the Arts, and the Larry E. Hough Distinguished Service Award given by the Society for Utopian Studies for service in support of utopian studies, broadly defined.

Winter 1989: At the beginning of this quinquennium (26.1 Spring 1985) three additional American academic men (Dunn, Erlich, Hassler) were added simultaneously to the Board (Table 5.2.2.e. below). During this period the Kent State-based Hassler then added the role of Managing Editor (27.2-28.3 Summer 1986-Fall 1987), then Co-Editor (28.4-30.4 Winter 1987-Winter 1989), to that of his Board membership as he learned the editorial ropes and was poised to take over from Tom Clareson as Editor of *Extrapolation* with the following (31.1 Spring 1990) issue.

With these new members, the Board's American membership rose further to 85.7% from 83.3%, as did the academic membership (83.3% from 80.6%), while the proportion of women fell to 19.0% from 22.2% even as their number remained steady at

Table 5.2.2.e.: Extrapolation Board Members
Board of Editors (30.4 Winter 1989)
Members: Merritt Abrash; Brian W. Aldiss; Alice S. Clareson; I. F. Clarke; Elizabeth Cummins [formerly; Cogell]; Joe DeBolt; Thomas P. Dunn; Alex Eisenstein; Richard Erlich; Beverly Friend; H. W. Hall; Donald M. Hassler; Patrick Hogan; Jr.; Julius Kagarlitski; Michael W. McClintock; Thomas J. Remington; Roger C. Schlobin; Patricia Warrick; Richard C. West; Jack Williamson; Thomas L. Wymer.
Number of Members: 21.
Gender Distribution: Men: 17 (81.0%); Women: 4 (19.0%).
Location: US: 18 (85.7%); Canada: 0 (0.0%); UK & Europe: 3 (14.3%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 17.5 (83.3%); Non-Academic: 3.5 (16.7%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 2; IAFA Collins: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Clareson: 3; SFRA Pilgrim: 5; SFRA Pioneer: 1; SUS Hough: 1.

four. The presence of Hassler raised the total of present and future scholarship and service awards won by this group of Board members to fifteen.

Winter 1994: After the appointment to the Board (Table 5.2.2.f. below) of three academics (Davis, Westfahl, Wilcox) and an energetic young writer-editor (Mallett), it was the appointment of Harris-Fain, at the time an F&SF scholar and an editor at the reference book publisher Bruccoli Clark Layman, which ushered in the longest period of stability in the history of *Extrapolation's* Board of Editors (35.1-41.2 Spring 1994-Summer 2000). Schlobin, who was also involved in the editing of the *Journal of the Fantastic in the Arts*, left the Board after the Spring 1991 (32.1) issue closing out nearly a decade of service. This departure and Hassler's elevation to Editor and concomitant resignation from the Board, combined with the new appointees resulted in an increase in the size of the Board to twenty-four.

Table 5.2.2.f.: Extrapolation Board Members
Board of Editors (35.4 Winter 1994)
Members: Merritt Abrash; Brian W. Aldiss; Alice S. Clareson; I. F. Clarke; Elizabeth Cummins; Joe DeBolt; Kathe Davis; Thomas P. Dunn; Alex Eisenstein; Richard Erlich; Beverly Friend; H. W. Hall; Darren Harris-Fain; Patrick Hogan; Jr.; Julius Kagarlitski; Daryl F. Mallett; Michael W. McClintock; Thomas J. Remington; Patricia Warrick; Richard C. West; Gary Westfahl; Clyde Wilcox; Jack Williamson; Thomas L. Wymer.
Number of Members: 24.
Gender Distribution: Men: 19 (79.2%); Women: 5 (20.8%).
Location: US: 21 (87.5%); Canada: 0 (0.0%); UK & Europe: 3 (12.5%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 18.5 (77.1%); Non-Academic: 5.5 (22.9%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Clareson: 2; SFRA Pilgrim: 6; SFRA Pioneer: 1; SUS Hough: 1.

All the new members in this quinquennium were Americans, thus raising the US contingent to 87.5%, while the addition of Davis barely moved the proportion of women in the Board's composition from 19.0% to 20.8%. Due to the addition of two non-academically-affiliated individuals to the Board, the proportion of non-academics rose to 22.9%, the highest it had been in more than a decade. The Board included winners and future winners of thirteen awards for scholarship and service.

Winter 1999: Since the Board membership (Table 5.2.2.g. below) reported in the Winter 1999 (40.4) issue is identical to that in Winter 1994 (35.4), the only item of note is the change in the ratio of academics (now 81.3%) to non-academics since Harris-Fain was successful in obtaining a teaching position in higher education in his native Ohio early in this period (**Harris-Fain 1999: 290**).

Table 5.2.2.g.: Extrapolation Board Members
Board of Editors (40.5 Winter 1999)
Members: Merritt Abrash; Brian W. Aldiss; Alice S. Clareson; I. F. Clarke; Elizabeth Cummins; Joe DeBolt; Kathe Davis; Thomas P. Dunn; Alex Eisenstein; Richard Erlich; Beverly Friend; H. W. Hall; Darren Harris-Fain; Patrick Hogan; Jr.; Julius Kagarlitski; Daryl F. Mallett; Michael W. McClintock; Thomas J. Remington; Patricia Warrick; Richard C. West; Gary Westfahl; Clyde Wilcox; Jack Williamson; Thomas L. Wymer.
Number of Members: 24.
Gender Distribution: Men: 19 (79.2%); Women: 5 (20.8%).
Location: US: 21 (87.5%); Canada: 0 (0.0%); UK & Europe: 3 (12.5%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 19.5 (81.3%); Non-Academic: 4.5 (18.8%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; SFRA Clareson: 2; SFRA Pilgrim: 6; SFRA Pioneer: 1; SUS Hough: 1.

Winter 2004: The death of Julius (Yuli) Kagarlitski early in this period deprived the Board (Table 5.2.2.h. below) of a third of its international representation, with Freedman of Louisiana State U appearing on the Board with the next issue (41.3 Fall 2000) in his stead. The most sweeping alteration in the Board's personnel to date occurred with the move from Kent State University Press after the Winter 2001 (42.4) issue, to the University of Texas, Brownsville, commencing with the Spring 2002 (43.1) issue, and the concomitant change in Editor from Hassler to Martínez; Hassler remained on the masthead as Executive Editor and author of most of the editorials.

Seven members, all American academic men, departed the Board with the Winter 2001 issue (Abrash, De Bolt, Dunn, Hogan, McClintock, Remington, Wymer) and were replaced in the next issue by five men, four American academics (Huntington, Levy, Moyle, Nelson), and a non-academic American, the writer, reviewer, and high school teacher Urban. Nearly two years later, they were joined by Vance, a doctoral

Table 5.2.2.h.: Extrapolation Board Members
Board of Editors (45.4 Winter 2004)
Members: Brian W. Aldiss; Alice S. Clareson; I. F. Clarke; Elizabeth Cummins; Kathe Davis; Alex Eisenstein; Richard Erlich; Carl Freedman; Beverly Friend; H. W. Hall; Darren Harris-Fain; John Huntington; Michael M. Levy; Daryl F. Mallett; David Moyle; Charles Nelson; Scott H. Urban; G. Warlock; Patricia Warrick; Richard C. West; Gary Westfahl; Clyde Wilcox; Jack Williamson.
Number of Members: 23.
Gender Distribution: Men: 18 (78.3%); Women: 5 (21.7%).
Location: US: 21 (91.3%); Canada: 0 (0.0%); UK & Europe: 2 (8.7%); Australia: 0 (0.0%).
Academic / Non-Academic: Academic: 17.5 (76.1%); Non-Academic: 5.5 (23.9%).
Awards for F&SF Scholarship or Service: Eaton Memorial: 2; IAFA Collins: 1; IAFA Distinguished Scholarship: 1; Mythopoeic Society Inkling: 1; Mythopoeic Society Myth & Fantasy: 1; SFRA Clareson: 3; SFRA Pilgrim: 5; SFRA Pioneer: 2.

student who had previously served for two years as the journal's Managing Editor (42.1-42.4 2001-2002) for Hassler then Martínez. The five women on the Board remained the same, but the slight reduction in the size of the Board from twenty-four to twenty-three increased their proportion slightly from 20.8 to 21.7%, while that of non-academics grew to 23.9% from 18.8%, and the concentration of Americans rose to its highest ever at 91.3%. Service on the Board continued to be attractive to both winners and future winners of F&SF scholarly (12) and service (4) awards.

Fall 2009: Editorially, *Extrapolation* saw its greatest change with the Winter 2007 (48.3) issue; Levy left the Board after the Summer 2007 (48.2) issue to join Butler and Vint as an Editor, with Melzer as Book Review Editor and Martínez as Managing Editor, but there were further changes to come for the editorial board (Table 5.2.2.i. below). With the death of SFWA Grand Master writer and retired academic Jack Williamson in

**Table 5.2.2.i:
Extrapolation Board Members**

Editorial Advisory Board (50.3 Fall 2009)

Members: Brian W. Aldiss; Lucie Armit; Mark Bould; Alice S. Clareson; I. F. Clarke; Neil Easterbrook; Richard D. Erlich; Carl Freedman; Pawel Frelík; Sonja Fritzsche; M. Elizabeth Ginway; H. W. Hall; Joan Haran; Darren Harris-Fain; Karen Hellekson; Ann Howey; John Huntington; De Witt Douglas Kilgore; Dale Knickerbocker; Roger Luckhurst; Helen Merrick; Graham Murphy; Charles Nelson; Wendy Pearson; Michelle Reid; Robin Reid; John Rieder; Alcena Rogan; Joe Sutliff Sanders; Karen Sayer; J. P. Telotte; Gary Westfahl; Clyde Wilcox; Tess Williams.

Number of Members: 34.

Gender Distribution: Men: 20 (58.8%); Women: 14 (41.2%).

Location: US: 20 (58.8%); Canada: 3 (8.8%); UK & Europe: 9 (26.5%); Australia: 2 (5.9%).

Academic / Non-Academic: Academic: 31 (91.2%); Non-Academic: 3 (8.8%).

Awards for F&SF Scholarship or Service: Eaton Memorial: 1; IAFA Bishop (finalist): 1; IAFA Collins: 1; IAFA Distinguished Scholarship: 3; SFF Essay: 1; SFRA Bray: 2; SFRA Clareson: 2; SFRA Pilgrim: 5; SFRA Pioneer: 7; SFRA Student Paper: 2; SUS Lewis: 1.

2006 at the age of 98, the Board lost one of its five remaining (out of fourteen) original members. Two additional original members (Eisenstein, West) together with eight other American members (Cummins, Davis, Friend, Mallett, Moyle, Urban, Vance, Warrick) departed the Board after the Winter 2007 (48.3) issue. The next issue saw the Board of Editors renamed the Editorial Advisory Board (49.1 Spring 2008) and the appearance of fifteen new members, with an additional nine joining with the subsequent (49.2 Summer 2008) issue, to bring the Board to its largest size ever, a total of thirty-five members. Beginning with the next volume year (50.1 Spring 2009) this total was reduced to thirty-four with the resignation of Lisa Yaszek when she joined Bould, Levy, and Vint as an Editor of *Extrapolation*; her one year (49.1-49.3 2008) on the Board being the shortest tenure of any member in its history.

By the end of this, *Extrapolation's* fiftieth year, and of the final Board to be examined, only writer and critic Brian Aldiss and now retired academic I. F. Clarke, both from the UK, remained of the original fourteen Board members of thirty-eight and a half years previously. Excluding the US academic Yaszek, winner of both SFRA's Bray and Claeson Awards who is not represented on any of these quinary charts due to her service only during 2008, twenty-two of the twenty-three newest members were academics with the twenty-third, Hellekson, a freelance copy editor and independent scholar with a Ph.D.

This group also inaugurated the geographically widest spread in *Extrapolation's* history. Representing Europe there were six new members from the United Kingdom (Armitt, Bould, Haran, Luckhurst, M. Reid, Sayer) and one from Poland (Frelik), the first continental European member since the death of Kagarlitski (Russia) in 2000. The UK and Europe were now represented by nine members for 26.5% of the Board geographically. There were two Australians (Merrick, Williams) providing representation from the southern hemisphere for the first time (5.9%), and the three Canadians (Howey, Murphy, Pearson) giving a truly expanded North American representation (8.8%) to the Board for the first time since the Americans-resident-in-Canada Merrill and Sapiro more than three decades previously. Even with eleven new US members (Easterbrook, Fritzsche, Ginway, Hellekson, Kilgore, Knickerbocker, R. Reid, Rieder, Rogan, Sanders, Telotte) stretching from Hawai'i to Maine, the American proportion of the Board fell to its lowest ever at 58.8%. The fourteen women now on the Board nearly doubled (41.2%) their proportion of the membership over the previous high of 22.2% from the Winter 1984 (25.4) issue of a quarter-century before. Although no one now

represented an award winner, future winner, or finalist for a scholarly award from the Mythopoeic Society, members were added who had won or would win the IAFA's Jamie Bishop Memorial Award for an Essay Not in English, the Science Fiction Foundation's Essay Prize, the SFRA's Student Paper Award for the best annual conference paper read by a graduate student (since 2010 including undergraduates), and the Society for Utopian Studies' Arthur O. Lewis Award for the best annual conference paper by a younger scholar, generally defined as untenured, for a total of twenty-six awards represented by members of the Board.

May 1971-Fall 2009: The thirty-eight and a half year history of *Extrapolation's* Board of Editors/ Editorial Advisory Board could be characterized, as probably many such Boards could be, by terms such as growth and change, though perhaps evolution and revolution, or progress and transformation might suit as well (Board Summary: Table 5.2.2.j. below; also Numerical Summary: Table 5.2.2.k. at the end of this section below).

Board Size: The Board grew in size from the initial fourteen members in May 1971 (12.2) to the thirty-four of the latest Board under discussion (50.3 Fall 2009) though prior to the explosive growth and transformational upheaval of the final two years this was primarily a slow evolutionary process with a few members inevitably leaving through death, and some for other, generally unpublished, reasons, while more individuals joined the slowly expanding Board. One might speculate that the Board expanded due to the increasing interest in F&SF studies together with an increasing

**Table 5.2.2.j:
Extrapolation Board Members**

**Summary of All Members of the Board of Editors/Editorial Advisory Board
(12.2 May 1971 -- 50.3 2009)**

Members: Merritt Abrash; Brian W. Aldiss; Lucie Armitt; Mary Kenny Badami; J. O. Bailey; Neil Barron; James Blish; Mark Bould; Alice S. Clareson; I. F. Clarke; Elizabeth Cummings [formerly; Cogell]; Kathe Davis; Joe DeBolt; Samuel R. Delany; Thomas P. Dunn; Neil Easterbrook; Alex Eisenstein; Richard D. Erlich; Carl Freedman; Pawel Frelik; Beverly Friend; Sonja Fritzsche; M. Elizabeth Ginway; H. W. Hall; Joan Haran; Darren Harris-Fain; Donald M. Hassler; Karen Hellekson; Patrick G. Hogan, Jr.; Ann Howey; John Huntington; Julius Kagarlitski; De Witt Douglas Kilgore; Dale Knickerbocker; Michael M. Lewy; Roger Luckhurst; Daryl F. Mallett; Michael McClintock; Helen Merrick; Judith Merrill; David Moyle; Richard D. Mullen; Graham Murphy; Charles Nelson; Alexei Panshin; Wendy Pearson; Michelle Reid; Robin Reid; Thomas J. Remington; John Rieder; Alcena Rogan; Franz Rottensteiner; Joe Sutliff Sanders; Leland Sapiro; Karen Sayer; Roger C. Schlobin; Lionel Stevenson; J. P. Telotte; Scott H. Urban; G. Warlock Vance; Patricia Warrick; Richard C. West; Gary Westfahl; Clyde Wilcox; Tess Williams; Jack Williamson; Thomas L. Wymer; Lisa Yaszek.

Number of Members: 68.

Gender Distribution: Men: 47 (69.1%); Women: 21 (30.9%).

Location: US: 50.5 (74.3%); Canada: 4 (5.9%); UK & Europe: 11.5 (16.9%); Australia: 2 (2.9%).

Academic / Non-Academic: Academic: 55.5 (81.6%); Non-Academic: 12.5 (18.4%).

Awards for F&SF Scholarship or Service: Eaton Lifetime: 1; Eaton Memorial: 3; Eaton Milford: 2; IAFA Bishop (finalist): 1; IAFA Collins: 2; IAFA Distinguished Scholarship: 3; Mythopoeic Society Inkling: 1; Mythopoeic Society Myth & Fantasy: 1; SFF Essay: 1; SFRA Bray: 3; SFRA Clareson: 6; SFRA Pilgrim: 11; SFRA Pioneer: 8; SFRA Student Paper: 2; SUS Hough: 1; SUS Lewis: 1.

number of submissions to the journal in need of vetting and review. This growth in potential publications and the expansion of the breadth of subjects occurred during a time of growing numbers of conferences and publication venues devoted to F&SF studies particularly and of other conferences, publications, and publishers which were becoming progressively more accepting of popular culture studies in general. There were, and are, a number of scholars interested in the field and desirous of contributing to the shaping of the field through not only their own papers and publications, but also

through their advice to the journal editors and by contributing to their own careers through service to the field as witnessed by these sixty-eight individuals.

Board and Gender Representation: The Board was developing in other ways as well. After two-and-a-half years' service Merrill left the Board along with her writer-critic colleagues Blish, Delany, and Panshin, and it would be another four years before women reappeared on the Board. At that point, two academic women, Badami and Cummins (at the time known as Cogell), who had both published in *Extrapolation* in its previous volume (18 1976/77) joined the Board with the December 1977 (19.1) issue. With the addition of Alice Claeson (20.1 Spring 1979) after her stint as Associate Editor (1974-1978), the Board achieved the one-fifth/four-fifths women/men gender ratio it was to keep for nearly three decades. This gender imbalance does not appear to have been uncommon; the first list of Editorial Consultants for *Science-Fiction Studies*, for example, was composed of thirteen men and it remained solidly male for its first 17 issues (1.1.1-6.1.17 Spring 1973-March 1979) acquiring its first two women Editorial Consultants with the eighteenth issue (6.2.18 July 1979), though there was a woman assistant, associate, managing, or contributing editor on the main editorial staff from the first issue. With the mutation in *Extrapolation's* editors and editorial vision from one (1.1-48.2 December 1959-Summer 2007: Claeson; Hassler; Martínez) to many (48.3-50.3 Winter 2007-Fall 2009: Martínez heading up Bould, Levy, Vint, and then Yaszek) the attendant expansion of perspectives on and voices advising about the direction(s) the journal should take, and the concurrent expansion in the number and a doubling of

the proportion of women on the Board to more than two-fifth was only one indication of this metamorphosis.

Academics and Non-Academics on the Board: Initially the Board appointed to advise Editor Clareson was tilted more toward non-academically affiliated authorities in the field, primarily professional writers of F&SF also known for their expertise as critics and reviewers (Aldiss, Blish, Delany, Merril, Panshin) or as reviewer-critics (Eisenstein, Rottensteiner); only Jack Williamson combined the role of professional writer with that of academic having taken a Ph.D in middle age and joined the ranks of the professoriate in the 1960s. The number and proportion of non-academically affiliated members declined slowly on the Board through the years from 53.8% to 8.8%, ending in *Extrapolation's* fiftieth year with only three, a professional writer, historian, and critic (Aldiss), a retired high school teacher, librarian, and former Associate Editor (Alice Clareson), and a Ph.D.'d independent scholar who earns her living as a professional copyeditor (Hellekson). Along the near four decades of the Board, these non-academic, but genre-knowledgeable, members of the Board included fourteen individuals who, in various combinations of professional roles, were high school teachers, librarians, bibliographers, editors, writers, reviewers, and critics.

The academic side of the Board was well represented by college and university teachers of various and changing ranks of professor or instructor, even the occasional graduate student, but also including other members of the academy who support the institutional enterprise as librarians or student support staff. As might be expected of those who study, write, and advise the editors of scholarly journals devoted to a genre

that is not only literary, but mediated, and even woven into the fabric of the personal lives of its enthusiasts, these Board members are part of a variety of disciplinary tribes, with a heavy but not exclusive emphasis on literature and the media.

Of the fifty-six individuals in the academy, twenty-seven of them were affiliated with departments of English or English Language and Literature. An additional eight were affiliated with a department of English combined with another field, or with joint appointments between English and another department or program, including American Literature & Culture, American Studies, Cultural Studies, Film or Film & Media Studies, Journalism, and Technical Communication. Then there were those affiliated with departments named Language and Literature or Literature and Languages (one each), Literary and Cultural Studies (one), Literature, Media, and Communication (one), German Studies or Spanish with and without Portuguese (three total), and Theater and Drama (one) for a total of eight individuals.

Outside these humanistic precincts, only one Board member was part of the sciences or science-related side of the academic community, a professor of mathematics, although another member appears to cross the border of science disciplinary with both the humanities and social sciences with her home in a center devoted to the Ethical and Social Aspects of Genomics and Epigenetics. The seven in the social science branches of the academic tree include one professor each of Communication Studies, of Internet Studies, of Government, of Sociology, Anthropology, and Social Work, and of Women's Studies and Feminist Research, and two professors in History probably spanning the borders of the social sciences and the humanities. Of the two academic librarians on the Board, one worked in technical

services in an engineering library and had an additional graduate degree in English and a personal scholarly emphasis on Tolkien and the Inklings, while the other worked in several library divisions, concluding his working career as the curator of one of the major F&SF academic special collections and continuing his work post-retirement as a bibliographer of the F&SF scholarly and other secondary literature. The two final academic members of the Board, both with Ph.Ds, worked with students in a learning center and as a study adviser respectively.

Institutional Homes and Locations of Board Members: As noted in the individual sections above, the Board commenced life geographically spread out, if with a northern hemispheric orientation, from Portales, New Mexico, to Moscow in the then USSR, and concluded during the period under study, even more so, from Perth, Western Australia, and Manoa, Hawai'i, to Glasgow, Scotland, and Lublin, Poland. Between these two chronological points, however, the Board membership was concentrated primarily in the United States. Perhaps once the costs in time and money of mailing manuscripts for review to overseas reviewers became apparent, this US-centric concentration might have been a deliberate choice in the early decades of the Board. It was not until the Spring 2002 (43.1) issue that there was any recognition of the increasingly digital world; with that issue the journal's website address was given, and the indicia, indicated that submissions should be made with double-spaced text on paper with a copy of the text on diskette in Word. Full electronic submission via email to the Editor was not officially announced in the journal until the Winter 2007 (48.3) issue, the issue when the new multi-headed and geographically spread out editorial team took charge followed by the

newly expanded and 'net-connected Board as announced in the Spring and Summer 2008 (49.1; 49.2) issues.

Board Members and Awards: Service on Extrapolation's Board of Editors/ Editorial Advisory Board proved to be attractive to a number of individuals, and not only to those nine who had won or would win awards for service given by the scholarly organizations in the field, the Robert A. Collins Service Award (International Association for the Fantastic in the Arts), the Larry E. Hough distinguished Service Award (Society for Utopian Studies), and the Science Fiction Research Association's own Thomas D. Clareson Award for Distinguished Service, named after *Extrapolation's* founding Editor and the SFRA's first president, Tom Clareson. These fantasy and science fiction scholarly organizations, together with the Science Fiction Foundation, the Mythopoeic Society, and the J. Lloyd Eaton Conference have presented a variety of awards to Board members and to others for scholarship, both for individual instances in the form of particular books, articles, or presentations, and for lifetime contributions thereto.

Individual instances of Board members' scholarly works won or would win the J. Lloyd Eaton Memorial Award for the best critical book of the year, the Mythopoeic Scholarship Award in Inklings Studies (originally named the Mythopoeic Scholarship Award) for a book making a significant contribution to studies of the Inklings (J. R. R. Tolkien, C. S. Lewis, Charles Williams, and their group) together or separately, and the Mythopoeic Scholarship Award in Myth and Fantasy Studies for a scholarly book on authors in the Inklings tradition or to general works in the myth or fantasy genres. Shorter works by Board members were or would be distinguished by the IAFA's Jamie

Bishop Memorial Award for an Essay Not in English, the Science Fiction Foundation's Essay Prize, SFRA's Pioneer Award for best critical essay-length work of the year, or the Mary Kay Bray Award for the best essay, interview, or extended review in the *SFRA Review*. Outstanding conference papers received recognition, as well, with the SFRA's Student Paper Award for the best annual conference paper read by a graduate student (since 2010 including undergraduates), and by the Society for Utopian Studies' Arthur O. Lewis Award for the best annual conference paper by a younger scholar, generally defined as untenured.

Sustained, or lifetime, achievement in the field of F&SF scholarship has been recognized by several awards to Board members. These awards include the Eaton Conference's Lifetime and Milford Awards, the IAFA's Distinguished Scholarship Award, and the SFRA's Pilgrim Award. In total, thirty of the sixty-eight Board members have received the recognition of forty-seven awards, including eleven individuals who have won two awards (including one who was a finalist for another award), and a trio who have won three, including Brian Aldiss, one of the two longest-serving members.

A statistical summary of Board members follows below (Table 5.2.2.k).

**Table 5.2.2.k:
Extrapolation Board Members: Numerical Summary**

Vol.Issue	12.2	15.4	20.4	25.4	30.4	35.4	40.4	45.4	50.3	All *
Date	1971- May	1974- May	1979- Win	1984- Win	1989- Win	1994- Win	1999- Win	2004- Win	2009- Fall	1971- 2009
Number of Board Members										
# of Members	14	11	15	18	21	24	24	23	34	68
Gender of Board Members										
Male	13	11	12	14	17	19	19	18	20	47
%	92.9%	100%	80.0%	77.8%	81.0%	79.2%	79.2%	78.3%	58.8%	69.1%
Female			3	4	4	5	5	5	14	21
%			20.0%	22.2%	19.0%	20.8%	20.8%	21.7%	41.2%	30.9%
Affiliation of Board Members										
Academic	6.5	7.5	10.5	14.5	17.5	18.5	19.5	17.5	31	55.5
%	46.4%	68.2%	70.0%	80.6%	83.3%	77.1%	81.3%	76.1%	91.2%	81.6%
Non-Academic	7.5	3.5	4.5	3.5	3.5	5.5	4.5	5.5	3	12.5
%	53.6%	31.8%	30.0%	19.4%	16.7%	22.9%	18.8%	23.9%	8.8%	18.4%
Institutional or Other Locations of Board Members										
US	9	6.5	12	15	18	21	21	21	20	50.5
%	64.3%	59.1%	80.0%	83.3%	85.7%	87.5%	87.5%	91.3%	58.8%	74.3%
Canada	0.5	0.5							3	4
%	3.57%	4.55%							8.82%	5.9%
UK & Europe	4.5	4	3	3	3	3	3	2	9	11.5
%	32.1%	36.4%	20.0%	16.7%	14.3%	12.5%	12.5%	8.7%	26.5%	16.9%
Australia									2	2
%									5.9%	2.9%

**Table 5.2.2.k. (continued):
Extrapolation Board Members: Numerical Summary**

Vol.Issue	12.2	15.4	20.4	25.4	30.4	35.4	40.4	45.4	50.3	All *
Date	1971- May	1974- May	1979- Win	1984- Win	1989- Win	1994- Win	1999- Win	2004- Win	2009- Fall	1971- 2009
Awards of Board Members										
Eaton Lifetime	1									1
Eaton Memorial	1	1	1	1	2	1	1	2	1	3
Eaton Milford Achievement	1	1								2
IAFA Bishop Essay									1 [finalist]	1 finalist
IAFA Collins Svc				1	1			1	1	2
IAFA Distinguished Scholar	1	1	1	1	1	1	1	1	3	3
Myth Soc Inkling St	1	1	1	1	1	1	1	1		1
Myth Soc Myth & Fantasy								1		1
SF Found'n Essay									1	1
SFRA Bray [Essay-Int'w-Rev]									2	3
SFRA Clareson Svc			1	2	3	2	2	3	2	6
SFRA Pilgrim [Lifetime Sch]	6	5	7	5	5	6	6	5	7	12
SFRA Pioneer [Essay]	1	1	1	1	1	1	1	2	7	8
SFRA Student Paper									2	2
SUS Hough Svc				1	1	1	1			1
SUS Lewis [Conf Paper]									1	1
Total Awardees	12	10	12	13	15	13	13	16	27 + 1 finalist	47 + 1 finalist

* Includes Yaszek whose 2008 year of service is not represented in the quinary figures.

5.3. Extrapolation: Purpose of the Journal

A.02. What is the stated purpose (or goals) of the journal?

The first sentence of the first “From the Launching Pad” editorial column in *Extrapolation*’s first issue, December 1959, provides the straightforward statement that the journal is “intended to serve as the biannual newsletter of the MLA Conference on science-fiction”, the Conference having taken off the previous December as part of the Annual Conference of the Modern Language Association of America (section 2.2.6. above). After describing a number of problems facing those wanting to study science fiction topics, the editors further state as a goal that with *Extrapolation* they “hope to provide a continuing and unifying publication in which those interested in the genre may exchange ‘notes and queries’, find annotated checklists, and publish articles on both past and present science-fiction” (Lauterbach and Clareson 1959: 1).

Over the years, the introductory editorial provided the editors an opportunity to expand upon their goals and hopes for the journal. In the “The Launching Pad”, Editor **Clareson** would discuss the previous or forthcoming MLA Conferences/Seminars on SF or, later, the Science Fiction Research Association, the speakers at those events, and the resulting articles published in or scheduled for the journal; would report on the journal’s finances, subscription rates, and the reprinting of issues to meet demand; would urge readers to ask their institutional libraries to subscribe; and would ask those readers for contributions of articles sometimes suggesting topical areas as when he stated as an aspiration “[o]ver a period of years I should like to see Extrapolation publish the bibliography of every major writer of science-fiction” (1961: 1). In the

second issue they expanded the journal's initial remit, noting its first book reviews while regretting "we may appear too seldom for a regular book review feature, but we will include it at least once a year" (**Clareson and Lauterbach 1960: 24**). The publication of the first part of writer Judith Merrill's "What Do You Mean—Science? Fiction?" fulfilled "a long time ambition: namely, to have the featured article written by one of the outstanding professional editors in the sf field", continuing that "[o]nly by a fusing together of the scholarship of both academe and the 'pros' [professional writers and editors] can we best analyze the theoretical and practical aspects of the genre" (**Clareson 1966: 29**).

Later **Clareson** elaborated with a more formal "statement of editorial policy":

. . . that Extrapolation will welcome articles making use of any and all critical approaches and methodologies—so long as they are well presented and well documented [and that] we will publish items by anyone, whether in the academic profession or not, whether a holder of an advanced degree or not—so long as the writer says something which we believe will be of value to some portion of our audience.

With the journal "circulat[ing] in 34 countries outside continental North America", he continued:

To me this varied audience means that we must vary our content, keeping in mind two principles: (1) the journal should serve the widest possible audience of those interested in science fiction and modern fantasy, and (2) it must attempt to maintain a balance as

to the kinds of articles published; that is, there must be critical, historical, and bibliographical items—just as there must be items dealing with the science fiction and fantasy of various periods and various countries . . . [when] not all of our readers are long-time specialists in the field. **(1975: 99)**

Anticipating the expansion of the journal to a quarterly publication schedule with the support of a university press commencing with its twentieth volume, **Clareson** announced an “expanded book review section” and “at least some give-and-take of a letter column which space simply has not previously allowed us”. He also reaffirmed the “policy of attempting to draw upon the widest number of writers, dealing with the widest range of topics within the field(s) of science fiction and fantasy will continue as before. . . . a number of ways to approach the study of [F&SF] . . . continue to provide an historical and bibliographical perspective not always elsewhere available” with the hope “that we can increase coverage of European (Continental) science fiction” **(1978: 99)**.

With the first issue of the now quarterly journal, **Clareson** again reiterated the principles and policies upon which it was published:

. . . that the magazine must serve a catholic, international audience that has a variety of interests in the field . . . that there is no single methodology or ideology by which to approach the field. It is international, and it is interdisciplinary . . . to accept articles from as wide a range of contributors as possible . . . [and that] *Extrapolation* has always encouraged the close cooperation between scholar/critic and practicing author [explaining that] To do otherwise reflects

a kind of effete snobbery that is abhorrent to me personally. (1979:

4)

As the journal grew and matured, **Clareson** lamented “those writers and works which have been neglected or ignored” (naming some names), and stating as a goal that “*Extrapolation* will be pleased to consider studies of any writer from the nineteenth and twentieth centuries—if not earlier—who has contributed to the development of modern fantasy and science fiction” (1983: 290). Several years later his lament expanded to include conferences, when he stated that “after listening to various papers and considering articles submitted to *Extrapolation* and published there and in other journals, I find the same topics and the same authors dealt with time and again. The consequence of this is that a number of important early writers—both inside and outside the specialist magazines—are being ignored” (Clareson 1986: 184). Nor was Clareson the only F&SF scholarly journal editor to bemoan this self-imposed narrowness of topics on the part of scholars. Arthur B. **Evans** (2002: 98), at the time the editor and publisher of *Science Fiction Studies*, noted that “[i]n an attempt to be more proactive in this matter [of authors and works as subjects], *SFS* conducted a survey in 1993 on the then-current state of the sf canon” asking “a few dozen of our sf consultants and friends to identify what they felt to be the five or ten most ‘Unjustly Neglected Works of Science Fiction’” which responses were subsequently published in their November 1993 issue (see: **Science-Fiction Studies Editors 1993**). After naming those most frequently referenced by their respondents, **Evans** in his turn had occasion later to lament:

We at *SFS* naturally assumed that this information would be very useful, and that it would hopefully motivate potential contributors to

devote some critical attention to these heretofore unsung sf writers and works. But we were to be disappointed in this regard. During the years following the appearance of this survey, *SFS* continued to receive very few manuscripts on these particular authors—in spite of our clear indications that we were eager to publish such essays.

(2002: 98)

Such editorial perplexity continued to be noted intermittently in *Extrapolation* as indicated by **Martínez's** editorial comment on Palumbo's "The Monomyth in Gene Wolfe's *The Book of the New Sun*" published in that issue: "[i]t's also the first piece of criticism we've published on [Gene] Wolfe in quite some time. In fact, it's the only piece of criticism we've received on Wolfe since I came on as editor [2002]. I can't help but scratch my head at this baffling lack of attention to one of the field's true geniuses"

(2005: 161).

The editor of a special issue on multiculturalism and race in SF further described and diagnosed the problem as

. . . a sort of academic tunnel vision. Check out any issue of *Extrapolation*, *Science Fiction Studies*, or *Foundation*, and you'll notice that the same subjects tend to appear over and over again. Once you get past Verne, Wells and Shelley, Heinlein, Asimov, and Clarke, it's mostly about LeGuin, Dick, Gibson, and a limited number of other writers who can be labeled 'postmodern'. This isn't a matter of editorial prejudice either—the editors of these journals are all dying for good, publishable essays on other authors. It's

more a matter of the limited number of canonical writers with whom most academics are familiar. And it's also about the many science fiction and fantasy writers who, despite enormous talent and a respectable publishing record, are not on the academic radar.

Which, unless your name happens to be Samuel Delany or Octavia Butler, has generally excluded writers of color. **(Levy 2005: 295-296)**

Even with the promotion of the journal's Managing Editor Donald M. "Mack" Hassler to be his Co-editor, **Clareson's** editorial goal remained unchanged from his previously stated one: "[w]e shall continue to seek the most intriguing articles, whatever their ideologies and methodologies, and as in the past we welcome the early ventures of scholars new to the field. . . . a contributor to the journal does not have to hold a doctoral degree in English literature—or any other discipline—to gain access to our pages. We ask only for an interest in and knowledge of the field" **(1987: 295)**. When Clareson retired to the status of "Founding and Emeritus Editor" at the completion of thirty years, **Hassler** was promoted to Editor and his first "The Editor's Pad" stated that "Clareson created a solid and comfortable environment for the thoughtful studies about science fiction that have filled the pages of *Extrapolation*. I will be slow to change what Clareson began" **(1990a: 3)**. During his tenure as Editor (1990-2001) **Hassler** never made an overt comprehensive statement of editorial policies and principles, but rather alluded to a preference to "be open to all philosophically serious writing" and to "toy with the edges of the genre because it is, indeed, at our borders where much of the activity seems to be taking place" **(1990b: 100)**; "to work for excellence and to be true to our

compelling and individual interests. . . . open to all varieties of work, but in particular we are interested in how literature is ‘practical’ and tied in various useful (and harmful) ways to the world we inhabit . . . open to the marketplace, to variousness, to an ever-widening range of maverick readings” (1991: 4); and, noting that issue’s call for papers for a special issue on politics and SF, “the program we would hope continually to follow is the widest discipline of being attentive to the widest human concerns” (1992: 4). Later he spoke of “continuity and community” (1994: 93) and “that all scholarly work is a ‘web’ in which we live as a group, write with the civility of a common community, and indeed strive for that ‘no place’ of fine objectivity and comprehensive knowledge which is utopia” (1996: 108).

In announcing Javier Martínez as the new Editor concomitant with *Extrapolation’s* move from the Kent State University Press to the University of Texas at Brownsville and Texas Southmost College and his own new title of Executive Editor, **Hassler** took the opportunity to note that “a new emphasis in post-colonial texts will be added to our already full plate of para-literary interests” (2001b: 302). In the first bi-geographical Ohio-Texas based issue **Hassler and Martínez** spoke “with blended voices—one ancient Ohio academic, one youthful Latino South Texas academic” of the new members of their Board of Editors who would “help us generate in the future work on race, multiculturalism, gender” and a “rich and diverse menu for the future of the journal” (2002: 5-6). Occasionally **Hassler** spoke of change, but with this new editorial regime, it became an increasingly important theme, “the more general movement of thrusting forward and returning, of balancing the new and the old . . . the individual and the collective” (2002: 129). Further changes were noted: “we [Hassler and Martínez] plan

at least one special issue [per year] devoted to the fan community and to vital new departures in the conceptualization and presentation of SF ideas” even while “all is not innovation, youthful confrontation, change . . . I [Hassler] am fascinated by the apparent tension between planned innovation as seen in our hopes for special issues, on the one hand, and the innovation that results from the serendipitous mixes in the continuing general issues that we will publish” (**Hassler 2003: 146**). Again remarking on the geographically divided nature of the editorial responsibilities, **Hassler** says

. . . our editing has become more bifurcated. We are personal. We are several. And out of these rebounding fragments of individuality we forge the product of this quarterly journal as a messenger, crier, hawker about SF. . . . At some moments, our decisions are isolated and independent. We even solicit and use advice from our good Editorial Board sometimes independently. . . . We want to introduce what is new and full of potential for the field . . . But we are, also, dedicated to the clear and classic categories established years ago by Tom and Alice Clareson. . . . But finally, it is a sense of grace that rules both fields of tension and that gives us the unity in diversity that is so characteristic of the American experience and of the SF experience. (**2004: 225-226**)

Further editorial changes were foretold with the announcement, two years in advance, of Hassler’s eventual retirement “from daily management work on the journal [announced so that they could] elicit advice and consultation from our readers and

fellow editors as we hope for the continuing vitality of the journal” (**Hassler and Martínez 2005: 419**).

With Hassler’s retirement to Immediate Past Executive Editor status noted in the last issue of 2007, editorial administration devolved on a group of three Editors (becoming four with the next volume) and a Book Review Editor, with Martínez leading as Managing Editor. In their “Editorial Comments” this new group wrote at length and more explicitly than had either Claerson or Hassler about their various interests and their hopes and goals for the journal. Editor Javier **Martínez** said:

. . . a brief note on my interests: My focus these days is on superhero comics, video games and gaming culture, and horror fiction, but my commitment to more traditional science fiction, especially pulp sf and the new space opera is as strong as ever. I invite papers on these and other subjects. I look for well-written papers in dialogue with other scholarship. . . . I favor papers using a theoretical framework to generate an original reading of a text. I do not, however, believe in the over-indulgence of theory, or theory for the sake of theory. Finally, I hope that our contributors will bring to their work the same enthusiasm the editors share for the stories and scholarship of speculative fiction. (**2007: 441**)

Editor Andrew M. **Butler**, a professor of media and cultural studies at Canterbury Christchurch University, described himself as:

. . . the token Brit, to make sure that the journal not only straddles national boundaries, but spans continents. . . . I’m interested in

British sf, including Iain M. Banks, the Boom, Ken MacLeod, Jeff Noon, Terry Pratchett and Christopher Priest, children's and young adult fiction, gay and lesbian sf, humor and comedy, postmodernism and psychoanalysis. . . . the story is also something I love, and I'm interested in there being a critical conversation about the genre and the stories we tell about it. . . . I'd also like to see us fill in the gaps with pieces on authors, films, comics, television programs and what nots that no one has written on. **(2007: 442)**

Professor of English Michael **Levy**, of the University of Wisconsin, Stout, said:

. . . to list my primary areas of expertise as the Fantastic in Children's Literature, the History of Science Fiction, and Gender in the Fantastic, although I'm interested in many other topics and approaches. . . . in seeing a wide range of material for consideration . . . from the most traditional approaches to the most theoretical. . . . I would particularly like to see material on multicultural topics, written from a postcolonial viewpoint or otherwise. Ditto for essays with a gender/feminist/queer slant. I tend to view all critical approaches as tools in a toolbox. . . . What I will reject, though, is bad writing. I expect academics to use the language of theory whenever it's appropriate, but to otherwise write in plain English. **(2007: 442-443)**

Sherryl **Vint**, then of Brock University's English Department, later of the University of California, Riverside, said:

I could be considered the token woman, although Mike [Levy] has as strong a commitment to feminist criticism as do I. As a Canadian I could be considered part of the journal's international focus, although unlike Andrew [Butler] I'm not on a different continent. . . . the strength that I bring is an interest in critical theory and the sorts of questions that theory can open up. My [doctoral] research was on body modification and the mind/body relationship as they are explored in a number of sf texts. This background probably makes me unique on the board in the sense that I came to sf rather late in my life, via an interest in theoretical questions rather than coming to sf from a long and non-academic relationship to the genre. . . . a strong interest in seeking connections between sf and other work not always considered as part of fantastic literature . . . not wedded to certain theoretical approaches or certain authors. Like my co-editors, I just want to see smart work that gives us something new to think about in our field. . . . not attached to any particular period or country or author. . . . particularly attracted to work that is able to connect the text under discussion to larger cultural and intellectual questions . . . What I'm most excited by is an essay that allows me to learn something new: readings that provides [sic] me with a new way of thinking about a text I thought I knew. . . . I'd like to see good essays on things I know little about but think are important to the

field. Non-anglophone sf would be at the head of my list of such things. (2007b: 443-444)

Lisa Yaszek of Georgia Tech joined these three new editors a year later, but, like the Book Review Editor Patricia Melzer, she did not make any statement of editorial interests that was published within the pages of *Extrapolation*.

With this final change of editorial administration during the first fifty years of *Extrapolation*'s existence, the journal and the editors goals for it appear to have come full circle, like an ouroboros, returning to versions of **Clareson**'s earlier statement "that Extrapolation will welcome articles making use of any and all critical approaches and methodologies—so long as they are well presented and well documented . . . so long as the writer says something which we believe will be of value to some portion of our audience" and to his commitment to "various periods and various countries" (1975: 99). This newest editorial cohort, though at fuller and more descriptive length, expanded upon **Clareson**'s later declaration of a desire to deal "with the widest range of topics within the field(s) of science fiction and fantasy will continue as before. . . . a number of ways to approach the study of [F&SF]" with the hope "that we can increase coverage of European (Continental) science fiction" (1978b: 99).

5.4. Extrapolation: Publication Details: Sponsors, Affiliations, Publishers, Subtitles, Frequency

A.03. *What are the sponsoring organizations and publishers responsible for issuing the journal over the fifty years from December 1959 through Fall 2009?*

A.04. *What is the frequency of publication of the journal?*

The entities which publish or sponsor a publication may have an influence upon the nature of that publication and its contents and upon the more practical and day-to-day preparation and issuance of the publication. The initial impetus to publish *Extrapolation* came not from an organizational body, but a person. As the 1958 MLA Seminar on Science Fiction was first modeled along the lines of the MLA Seminar on English Literature in Transition which was established the year previously, so too was Thomas D. **Clareson**, a 33 year old professor of English at the small liberal arts focused College of Wooster in Ohio, inspired by the editor of ELT's newsletter, thinking that "the seminar might have a better chance of continuing if it had a newsletter" so he took the initiative and "typed an annotated copy of the bibliography of my dissertation done . . . in the mid 1950s" (**1978a: n. pag.**), a bibliography of American science fiction from 1880-1915 paired with a short overview article on major trends in the SF of that period, the whole issue introduced by "From the Launching Pad" signed by Clareson and his co-editor for the first two issues, Edward S. Lauterbach of Purdue. This editorial stated that it was "intended to serve as the biannual newsletter of the MLA Conference on science-fiction" and further, that "[i]t is being prepared for distribution before the meeting at

Chicago [December 1959] so that members of the Conference may both approve and/or modify its basic plan and select an editor and editorial committee to serve for at least the next several years” (**Lauterbach and Clareson 1959: 1**). The next issue, May 1960, established the pattern for the twice an academic year issues, December and May, of the journal’s first nineteen years. (*Note: For a chart of the publication details, see Appendix C: Part 1.*)

The first ten volumes (1.1-10.2 December 1959-May 1969) were “published . . . in the Department of English at The College of Wooster”, while for the next three-and-a-half volumes (11.1-14.1 December 1969-December 1972) this statement was slightly reworded as “published . . . in the English Department at The College of Wooster”. With the May 1973 (14.2) issue the indicia changed to “is issued twice yearly (December and May) in the English Department of The College of Wooster and is published by The Collier Printing Company”. **Clareson** had occasionally reported on the growth of subscriptions, so that, while it was never explicitly stated, it seems obvious that the physical work of producing the issues themselves had become too much work for his department and the college, and this labor was transferred to a commercial company.

Much of the labor of mailing those issues though was a family affair with Clareson addressing the envelopes, son Tommy stuffing them with the current issue, and wife Alice sealing them, all in what he recalled as “the hectic, delightful frenzy of producing the magazine” (**1984: 295-296**). This frenzy abated somewhat with the transfer of the publication of the journal to the Kent State University Press and its metamorphosis into a more traditional Spring-Summer-Fall-Winter quarterly journal published to coincide with the calendar year starting with the beginning of the twentieth

volume, the Spring 1979 (20.1) issue. When, some two decades later, **Hassler** revealed that “the University Press can no longer support the expense of publication” and that “the director of the Press has granted us the grace period of this volume year to find a publisher” (**2001a: 5**), a search commenced among interested scholars and discussions were held with their institutions. This activity resulted in the announcement in the final issue of the year (42.4 Winter 2001) that starting with the next issue the journal would be published out of the University of Texas at Brownsville and Texas Southmost College with Javier A. Martínez of the UTB/TSC English Department as Editor and with Hassler assuming the title of Executive Editor and still performing much of the editorial work at Kent. As Hassler had once been the young apprentice to Claeson in matters editorial, now Martínez would assume that role while learning about the running of a scholarly journal (**Hassler 2001a: 5-6; Hassler and Martínez 2002: 5-6**).

While *Extrapolation* was launched as the newsletter of the MLA Conference on Science-Fiction, with the eleventh volume (1969/70) it was the renamed MLA Seminar on Science Fiction it served, and with the thirteenth volume (1971/72) it was ennobled like an heroic peasant boy in a fairy tale elevated to the status of a prince, to be both the Journal of the Seminar as well as “serving the Science Fiction Research Association” which was formally organized in October 1970. Along with these affiliations, the journal often sported a subtitle: “A Science-Fiction Newsletter” (sometimes de-hyphenated) for the first ten volumes (1959/60-1968/69), and “A Journal of Science Fiction and Fantasy” for the thirteenth through nineteenth volumes (1971/72-1977/78). With the move to Kent State the mention of organizational affiliations ceased to appear on the title page

or in the *Indicia*, although Editors Claerson and Hassler continued to mention activities of the SFRA in their editorials, and the journal continued to be, as it still continues, a perk of SFRA membership.

The twice a year departmentally published organizational newsletter grew up to become a professionally published quarterly journal, with the most recent change to the publishing schedule (47.1 Spring 2006) being a reconfiguration to three somewhat longer issues per year prior to the introduction of the new editorial cohort the next year. Beyond the scope of this dissertation, *Extrapolation* was acquired by the Liverpool University Press which also publishes an extensive list under the series title “Liverpool Science Fiction Texts and Studies”.

5.5. Extrapolation: Publication Types within the Journal

A.05. What is the distribution of individual document publication types in the journal as a whole, e.g., articles, reviews, letters to the editor, editorial materials, advertisements, etc.?

Scholarly journals are complex creations. Some might say that the sole purpose of a scholarly journal is to communicate the results of research usually in the form of articles on an aspect of the subject or disciplinary area to which the journal defines itself as being devoted. However, journals may, and often do, contain other types of texts beyond the traditional article or essay, texts which serve purposes other than the communication of research results. A journal may serve as a virtual gathering place for scholars in a field or sub-field of a discipline, especially in the early years of that area when there might be few other venues for publication or discussion as would have been the case for F&SF studies in the years before the inauguration of other F&SF scholarly journals and the development of specialized conferences, email, electronic discussion groups, social media, and the now ubiquitous web. A journal might publish the opinions of scholars about the scholarly texts of others in the form of reviews of scholarly books or of letters to the editor occasioned by previously published articles, and the thoughts of the journal's editor or of a special issue editor in the form of editorials. There might be, as well, brief notes or requests for assistance, calls for papers for the journal, for other journals, or for conferences, and advertisements for conferences or for new publications.

The first editorial in *Extrapolation* set out the pattern which the editors thought the new journal would follow:

Its typical format will include a featured article; a cumulative, annotated bibliography of books and articles about s-f; a second, shorter article; letters, comments, arguments, et al; and annotated bibliographies of s-f works from the various periods. (One such bibliographical study that is needed is a listing and description of s-f stories appearing in American magazines during the late nineteenth and twentieth centuries.) **(Lauterbach and Claerson 1959: 1)**

While many of these types of publications did appear in subsequent issues, they did not always appear in the orderly procession of the “typical format” as initially envisioned.

Extrapolation published two issues (December, May) per academic year for its first nineteen years (1959-1978), then four issues per calendar year from its twentieth through its forty-sixth year (1979-2005), and three issues per calendar year thereafter (2006-2009), the pattern it generally has continued through the latest volume (60) and year (2019). As seen in Table 5.5. below, there were a total of 2,221 items of all types published in the 158 issues and five decades under consideration. The total number of different items published in each five-year period (quinary) usually grew from quinary to quinary, and were one to consider the growth on a decadal basis; only the 1990s would see a drop in the number of items published, but a drop of only one item to 585 from the 586 total items of the 1980s.

Table 5.5: <i>Extrapolation</i> : Total Publications, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
Number of issues published per quinary (Total: 158 issues):										
	10	10	10	12	20	20	20	20	20	16
Number of items published per quinary:										
a	44	45	114	161	311	275	299	286	310	376
Percent of all 2,221 items published:										
d	2.0%	2.0%	5.1%	7.2%	14.0%	12.4%	13.5%	12.9%	14.0%	16.9%

While all the different types of items published in a journal are not deemed of equal or lasting value, all of the various publication types published in *Extrapolation* shall be considered here for their respective numerical and proportional contributions to the journal, in the following order: Editorial Materials, Articles, Notes, Bibliographies, Reviews, Letters, Primary Literature, Calls for Papers, Advertisements, and Indexes. As other questions regarding authorship of items in *Extrapolation* are taken up (Question B; Chapter 6), some of these publication types will be dropped from consideration, but their contributions to the journal as a whole shall not be ignored here. Indeed, some of these document publication types may never have been previously acknowledged or considered in a bibliometric study of a journal, even to the very small degree that they are here considered. A chronological list of all items published in *Extrapolation* will be found in Appendix D.

In the Tables to follow several numbers and percentages are given for each publication type:

- a. The total number of identifiable items of that particular publication type published in a specified five-year period, e.g., 10 Editorial Material items published in the first five volume-years, 1959/60-1963/64.
- b. The percent of that type as a proportion of *all* items published during that five-year period, e.g. 10 Editorial Materials items published out of a total of 44 identifiable items published 1959/60-1963/64, or $10/44=22.7\%$ of all items in the quinary.
- c. The percent per quinary period of that publication type as a proportion of *all* items of that particular type published over the fifty years under consideration, e.g., 10 Editorial Materials items published 1959/60-1963/64 out of a total of all 321 Editorial Materials items published 1959-2009, or $10/321=3.1\%$.
- d. The percent of that publication type published in a five-year period as a proportion of *all* 2,221 identifiable items published in the first fifty years of *Extrapolation*, e.g., 10 Editorial Materials items published out of 2,221 items, or $10/2,221=0.5\%$.

As noted in Chapter 4, any data cells in the tables which are left blank may be considered to have no (zero) value associated with that column and row intersection.

They have been left blank in the interests of visual clarity.

5.5.1. The Eyrie: Editorial Materials

Editorial materials in *Extrapolation* take one of three forms, the 184 regular and special editorials by the journal's editors or the guest editors of special issues or sections or by other invited guests, the 132 items devoted to notes on Contributors, and

five other minor occasional editorial housekeeping notices. These 321 Editorial Materials items constitute 14.5% of all 2,221 items published in *Extrapolation* through 2009 (Table 5.5.1. below).

Table 5.5.1.: <i>Extrapolation</i> : Editorial Materials, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
Editorial Materials (Total: 321 items)										
Number of Editorial Materials items published per quinary:										
a	10	10	15	26	43	42	40	41	41	53
Editorial Materials: Sub-categories										
Number of Editorials per quinary (Total: 184)										
a	10	10	11	13	21	21	20	21	20	37
Number of Contributors lists per quinary (Total: 132)										
a			4	12	20	20	20	20	20	16
Number of Minor Editorial pieces per quinary (Total: 5)										
a				1	2	1			1	
Percent of all Editorial Materials items of all items published in the quinary:										
b	22.7%	22.2%	13.2%	16.1%	13.8%	15.3%	13.4%	14.3%	13.2%	14.1%
Percent of all Editorial Materials items published in quinary of all 321 Editorial Materials items:										
c	3.1%	3.1%	4.7%	8.1%	13.4%	13.1%	12.5%	12.8%	12.8%	16.5%
Percent of all Editorial Materials items per quinary of all 2,221 items:										
d	0.5%	0.5%	0.7%	1.2%	1.9%	1.9%	1.8%	1.8%	1.8%	2.4%

Editorials: For much of its first fifty years, the first piece of writing the reader of *Extrapolation* would encounter in the journal was the editorial variously called “From the Launching Pad” (1.1-5.2 December 1959-May 1964) or “The Launching Pad” (6.1-30.4 December 1964-Winter 1989) under Clareson. Following Clareson’s practice, Hassler’s “[The] Editor’s Pad” (31.1-42.4 Spring 1990-Winter 2001) while published at the Kent

State University Press greeted readers, then a single “Voices in the Journal” (43.1 Spring 2002) with both Hassler and Martínez, followed by “Acknowledgements” (43.2-48.2 Summer 2002-Summer 2007) by either Hassler or Martínez or both; sometimes this main title would include a subtitle with Hassler being particularly fond of them beginning with the Winter 1991 (32.4) issue. Clareson’s pieces were generally informal, even chatty, concerned with the running of the journal, the MLA Seminar, the SFRA and its annual conferences, some news about the F&SF scholarly field, or his occasional sabbaticals or research trips. Hassler continued in this informal vein though his editorial musings were generally more topical or related to his reading, teaching, or other things which had caught his fancy.

When a special topic issue was published the guest editor might write the introductory editorial under the usual title, or, occasionally, as a separate piece in addition to the usual editorial piece by the regular editor. With the change to the Martínez-led group of Editors Bould, Levy, and Vint the long-established practice of an introductory editorial essay in each issue changed. Their introductory “Editorial Comments” (48.3) as noted in Section 5.3. above laid out their collective and individual visions for the journal; then, the regular editorial piece was dropped and any subsequent editorials were either for the purpose of introducing a special issue or section, or constituted the special Spring 2009 editorial section of twenty contributions **(Martinez, ed. 2009b)** of “a short piece on the current state of scholarship and criticism in the field of speculative fiction” by scholars invited “to commemorate the occasion” of *Extrapolation*’s fifty years **(Martínez 2009a: 5)**. These 184 editorial essays constitute

57.32 of the 321 Editorial Materials and 8.3% of all 2,221 identifiable items in *Extrapolation's* first fifty years as here anatomized.

Contributors: In the early years (1.1-13.2 December 1959-May 1972) contributors were geographically or institutionally located by having such information listed at the end of their particular pieces, if any such information was given at all. A regular Contributors section was instituted with the December 1972 (14.1) issue, at first located at the back of the issue and subsequently (20.1 Spring 1979) at the front between the table of contents and the editorial. The focus of this list was the authors of the articles and bibliographies published in the issue, though prior to the move to Kent State UP, the list often included reviewers as well. These brief blurbs usually, though not always, indicated institutional affiliation, perhaps departmental, disciplinary, or teaching areas or status as a student, and might mention past or forthcoming books, articles, and other publications, or the individual's scholarly interests. The information in these lists constituted the initial source for affiliation and location information for many of the scholar-authors of articles and some reviewers in *Extrapolation* as utilized in this dissertation, information which was supplemented when needed with other resources. These 132 short Contributors sections constitute 41.1% of the 321 Editorial Materials and 5.9% of all 2,221 identifiable pieces in the first fifty years of *Extrapolation*.

Minor Editorial Pieces: The final five items categorized as Editorial Materials are a note from the Kent State UP indicating a change of publisher to the University of Texas, Brownsville, with the following issue, an author's erratum for an article in a

previous issue, and three notices of the contents of forthcoming issues. Usually mention of a forthcoming item or two might be contained within Clareson or Hassler's editorials, but these three minor pieces were published separately from those editorials. These five minor editorial housekeeping notices constitute 1.6% of the 321 Editorial Materials and a minute 0.2% of all 2,221 identifiable pieces in the first fifty years of *Extrapolation*.

In the decade before the formation of the Science Fiction Research Association in October 1970 and the inauguration of its own *Newsletter*, later renamed the *SFRA Review* (#1- 15 January 1971-date), Clareson's editorials and the gathering of scholars at the Seminar on SF at the annual MLA Conference each December may have constituted some of the few channels of general communication for many F&SF scholars thinly scattered as they were across North America and elsewhere. After the establishment of the SFRA, Clareson's editorials, in particular, and sometimes Hassler's, would continue to place the SFRA and its annual conferences, and later the International Conference/ Association for the Fantastic in the Arts (ICFA/IAFA), before the attention of the readers of *Extrapolation*. Beyond the contents of their articles, the brief Contributors notes in each issue since December 1972 (14.1) may have served to introduce some of the scholars and their interests or work (previous or forthcoming) to each other, particularly if they had not met previously at conferences, workshops, or graduate school. Such notes would have been important in the days before the availability of search engines to more easily locate a scholar since F&SF scholars would not all have been members of the MLA and thus recipients of the then annual Directory

issue of the *PMLA* nor necessarily knowledgeable of its existence or that of the *Directory of American Scholars* at many of their local academic libraries. The establishment of the formal Contributors page, along with the previous introduction of a standard table of contents (11.1 December 1969), was an additional marker of *Extrapolation's* growing maturation as a scholarly publication.

The editorials and contributors notes are common though not universal in scholarly journals in the humanities. As separate identifiable items in *Extrapolation* they together constitute a very modest proportion of the contents of each issue, save for the noticeable bump above two percent in the last five-year period due to the unusual number of editorial contributions in honor of the journal's fiftieth anniversary.

5.5.2. Universe: Articles

In their first editorial **Lauterbach and Clareson (1959:1)** mentioned that *Extrapolation* might serve as a place “in which those interested in the genre may exchange ‘notes and queries’” as well as publish articles. One might legitimately wonder at the distinction between Articles (Table 5.5.2. below) and Notes (section 5.5.3. below). As used in this dissertation, Articles are extended essays while the Notes are far shorter. Typically, Articles report on the scholar-author's research or analysis or they may be a transcript of an interview with a creative author while Notes, which are not always even attributed to a named author, may make an announcement, be a reminder, or take the form of a brief request for the assistance of the readers. Articles generally have a Works Cited section and/or end- or foot-notes while Notes as a defined publication type in this dissertation normally do not. However, even such bibliographical

Table 5.5.2.: <i>Extrapolation: Articles, by Quinary</i>										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Articles (Total: 937)</i>										
Number of Articles items published per quinary:										
a	15	18	69	85	128	123	113	125	127	134
Percent of Articles items of all items published in the quinary:										
b	34.1%	40.0%	60.5%	52.8%	41.2%	44.7%	37.8%	43.7%	41.0%	35.6%
Percent of Articles items published in quinary of all 937 Articles items:										
c	1.6%	1.9%	7.4%	9.1%	13.7%	13.1%	12.1%	13.3%	13.6%	14.3%
Percent of Articles items per quinary of all 2,221 items:										
d	0.7%	0.8%	3.1%	3.8%	5.8%	5.5%	5.1%	5.6%	5.7%	6.0%

appendages were not initially a requirement for an Article either, as the earliest years of the journal saw a number of almost casual, footnote-less, Articles, then a slow transformation with a more conventional *Chicago Manual of Style* type of Articles with endnotes; later, Articles with a formal Works Cited section (with or without a foot- or end- notes section) became part of the customary pattern by volume 27 (1986) even as the MLA style was noted as preferred in the indicia as early as the second Kent State issue (20.2 Summer 1979). Articles are included in the journal’s own index (see section 5.5.10. below) and in other indexing or abstracting services (see section 5.6. below) while the separate Notes generally are considered either too ephemeral or of insufficient long-term interest to be so included. Articles are the sources of the formal and informal primary creative References Given as defined and analyzed in Chapter 7 below.

The original annual subscription price of \$1.00, announced in the second issue as commencing with the next issue, probably did not generate a terribly deep-pockets

treasury to work with or to pay for the postage and the paper and reproduction services needed for production of the journal. The general rise in the number of Articles published in *Extrapolation* was probably due to a combination of factors, such as a growing awareness of it as a publication venue for scholarly F&SF related items that might not have been as welcomed in the more traditional journals of the day or to a steady increase in the number of pages in an issue as the subscription price slowly grew along with (presumably) the available budget. The typewritten mode of text display in the early years, gave way to typesetting of the journal early in its second decade which permitted more text to be published on a page and probably also contributed to the rise in the number of articles able to be published. There probably would have been increased stability of income and subscriptions both with the instigation in late 1970 of the Science Fiction Research Association, for which *Extrapolation* was (and remains) a membership perk, and with the move to the Kent State University Press in 1979. While not necessarily true within an individual issue, over each five-year period Articles have constituted the single most common type of publication within *Extrapolation*, ranging in proportions from barely one-third to three-fifths of items published, for a total of 937 items or 42.2% of all 2,221 items published in the period under review.

5.5.3. Surface Tension: Notes

Notes never comprised a very numerous part of the publication types in *Extrapolation*, and might be seen as a neglected fairy tale stepchild with no happy ending (Table 5.5.3.below). As discussed in section 5.5.2 above, Notes generally were

Table 5.5.3.: <i>Extrapolation: Notes, by Quinary</i>										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
Notes (Total: 24)										
Number of Notes items published per quinary:										
a	1	6	4		2	6		1	3	1
Percent of Notes items of all items published in the quinary:										
b	2.3%	13.3%	3.5%		0.6%	2.2%		0.3%	1.0%	0.3%
Percent of Notes items published in quinary of all 24 Notes items:										
c	4.2%	25.0%	16.7%		8.3%	25.0%		4.2%	12.5%	4.2%
Percent of Notes items per quinary of all 2,221 items:										
d	0.0%	0.3%	0.2%		0.1%	0.3%		0.0%	0.1%	0.0%

announcements, reminders, or requests for the assistance of the reader; just 11 of the 24 had a named or attributable author; they usually had no bibliographic apparatus as would be common for Articles; and, they were considered either too ephemeral or of insufficient long-term interest to be included either in the journal’s own indexes nor in any of the various indexing services analyzed in section 5.6. below. Notes would have been nearly invisible to the casual reader, save for a brief three-issue sequence in 1986 (27.2-27.4) when they were accorded a formal title (“Notes and Queries”) and a place on the table of contents. With the rise of email- and online-based discussion groups such as the SFRA and IAFA listservs and the development of social media sites, with their inherent immediacy and possibility for rapid response, the necessity of a ‘Notes and Queries’ section in many scholarly journals has probably diminished in the much slower to publish setting of a journal. These 24 Notes form a meagre 1.1% of all items published in *Extrapolation* in its first fifty years.

5.5.4. A Checklist of Fantastic Literature: Bibliographies

One of **Clareson's** early aspirations for *Extrapolation* was for it to “publish the bibliography of every major writer of science-fiction” (**1961: 1**), and for each issue to include part of “a cumulative, annotated bibliography of books and articles about s-f” as well as various annotated bibliographies of primary works from different periods (**Lauterbach and Clareson 1959: 1**). While a substantial number of bibliographies and checklists were published in *Extrapolation* during its first fifty years, in the aggregate they average only one per year with the majority (44; 88.0%) published during Clareson's thirty years of editorship (1.1-30.4 December 1959-Winter 1989), and none after the Fall 2002 (43.3) issue. These fifty Bibliographies constitute only 2.3% of the 2,221 pieces in the first fifty years of *Extrapolation* (Table 5.5.4. below).

Table 5.5.4.: <i>Extrapolation</i> : Bibliographies, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Bibliographies (Total: 50)</i>										
Number of Bibliographies items published per quinary:										
a	9	3	4	12	9	7	2	1	3	
Percent of <i>Bibliographies</i> items of all items published in the quinary:										
b	20.5%	6.7%	3.5%	7.5%	2.9%	2.5%	0.7%	0.3%	1.0%	
Percent of <i>Bibliographies</i> items published in quinary of all 50 <i>Bibliographies</i> items:										
c	18.0%	6.0%	8.0%	24.0%	18.0%	14.0%	4.0%	2.0%	6.0%	
Percent of <i>Bibliographies</i> items per quinary of all 2,221 items:										
d	0.4%	0.1%	0.2%	0.5%	0.4%	0.3%	0.1%	0.0%	0.1%	

Clareson (1959b) made a start on the desired period-oriented primary bibliographies of SF works with the first issue and his bibliography of American SF from

1880-1915, taken from his own dissertation (1956) of three years previous. The closest *Extrapolation* came to publishing other period-oriented secondary bibliographies was with **Berman's** on fantasy fiction and fantasy criticism in two groups of selected nineteenth-century periodicals (1981, 1996). There were some topically-oriented bibliographies in *Extrapolation*, however, sometimes of primary (creative) works, sometimes of secondary (historical-critical) works, sometimes both, on subjects such as the anti-utopian novel (**Lewis 1961**), the Martian Canal controversy (**Johnson 1964**), Swedish SF (**Holmberg 1971**), imaginary wars (**Newman 1974, 1975**), Black American speculative literature (**Pfeiffer 1975**), women writers or protagonists (**Fergus 1976; Jones 1982; Schlobin 1982**), alternate history (**Hacker and Chamberlain 1981**), catastrophes (**Scott and Thiem 1983**), fantasy (**Schlobin 1987**), the Easton Press (**Williams 2001**), and *Star Trek* (**Geraghty 2002**). There were, as well, miscellaneous bibliographies focused on a proposed science-fiction canon (**Hillegas 1961**), the contents of the Clarkson Collection at Harvard (**Hillegas 1963**), a guide for teachers (**Guide 1976**), and of SF sources in microfilm (**Hall 1980**).

On the issue of bibliographies of major writers, *Extrapolation* published a small number though far from Clareson's wished for "every major writer". These included primary and/or secondary bibliographies of Jules Verne (**Hillegas 1960, 1962**), H. P. Lovecraft (**Emmons 1961**), Aldous Huxley (**Clareson and Andrews 1964**), Jorge Luis Borges (**Zaniello 1967**), J. R. R. Tolkien (**West 1968**), Ann Radcliffe (**Frank 1975; Rogers 1991**), Philip José Farmer (**Wymer 1976**), H. Beam Piper (**Espley 1980**), Edward Bellamy (**Widdicombe 1988**), Walter M. Miller, Jr.'s novel *A Canticle for Leibowitz* (**Hicks 1990**), and Judith Merrill (**Cummins 2001**).

A start on the anticipated annotated general bibliography of secondary materials was made by **Clareson and Lauterbach** themselves in the second issue (**1960b**), but it did not become a recurrent feature of the journal for some years. A decade later **Clareson** published three installments of his “Annotated Bibliography of Material Dealing with Science Fiction” (**1970a, 1970c, 1971**) which was shortly thereafter cumulated, updated, and published monographically as his *Science Fiction Criticism: An Annotated Checklist* (**1972**). Clareson’s work was supplemented several years later by **Tymn**’s “Checklist of American Critical Works on SF: 1972-1973” (**1975**).

A slightly irregular annual secondary bibliography somewhat as Clareson originally envisioned it finally commenced in 1976 as “The Year’s Scholarship in Science Fiction and Fantasy” covering the year 1974 (**Schlobin and Tymn 1976-1981**). In the **Winter 1981 (22.4)** issue, **Tymn** published a Note in *Extrapolation* announcing both that Schlobin had resigned from this annual project “prompted by his desire to become involved in other types of scholarship” and that “[t]he series will continue to be published by Kent State University Press, under my editorship, but as annual monographs rather than as articles in *Extrapolation*”, and finally, that he was “soliciting qualified individuals to serve on a newly created editorial board, whose primary responsibility will be to compile the annual bibliography, beginning with the 1980 installment” (**Inside back cover**). To close the monographic gap between **Clareson**’s bibliography (**1972**) and the beginning of the Kent State UP “Year’s Scholarship” volumes, two cumulations of “The Year’s Scholarship” covering 1972-1975 and 1976-1979 were published based on the *Extrapolation* pieces (**Tymn and Schlobin 1979, 1982**). Tymn and Kent State UP’s optimistic experiment lasted for three additional

annual monographic volumes covering 1980-1982 (**Tymn 1983-1985**) before it returned to *Extrapolation* with the expanded title “The Year’s Scholarship in Science Fiction, Fantasy, and Horror Literature” for an additional five installments covering 1983-1987 (**Tymn 1985-1988**).

Tymn moved the bibliography, retitled yet again as “The Year’s Scholarship in Fantastic Literature and the Arts”, to the IAFA’s then recently established *Journal of the Fantastic in the Arts* with the next installment covering 1988 (**Tymn 1990**). This was to prove the end of the bibliography’s nomadic journey due to Tymn’s near fatal auto accident and his scholarship-ending traumatic brain injury (**D. Tymn 1990: 15-16**). The role of “The Year’s Scholarship” of alerting researchers and students of scholarly publications was augmented, then superseded, by **Hall**’s three *Reference Index* volumes (**1987b, 1993, 1997**) and their self-published annual supplements. In the twenty-first century, such annual journal- or book-based compilations seem almost quaint. Their purpose of “a cumulative, annotated bibliography of books and articles about s-f” is now probably better located on the web, as with the more comprehensive and continuously updated ***Science Fiction and Fantasy Research Database***, initially based on **Hall**’s *Index* volumes, which includes materials both scholarly and popular, print, visual, and electronic, from the nineteenth-century to the latest, most up-to-date, item discovered by or drawn to the attention of bibliographer Hall and his co-bibliographers (**Hall 2010**).

However, there has been a long tradition of bibliographic work by members of, first, the fannish community beginning in the 1930s, later joined by bibliographically minded academics, with the results published in scholarly journals and in fanzines and

separately both in pamphlet and in substantial book formats and latterly on the web. Outside the pages of *Extrapolation*, others did publish period-oriented bibliographies, and there was a series of fourteen primary and secondary bibliographies of eighteen F&SF writers published by G. K. Hall & Co. under their series title of “Masters of Science Fiction and Fantasy” (1980-1984) though, again, hardly on *all* the major writers. Thus, the incompleteness of Clareson’s author, period, and topical bibliographies project in *Extrapolation* is less keenly felt currently than it might have been. For listings of author, period, topical, and secondary material bibliographies available, see listings in **Barron (*Anatomy 1976-2004*, *Fantasy and Horror 1999*)**, **Burgess and Bartle (2002)**, and particularly in **Hall (1987b, 1993, 1997, 2010, and continuously updated)**.

5.5.5. The Reference Library, or, Books to Look For: Reviews

Scholarly journals in the humanities often contain reviews, primarily of scholarly books, and *Extrapolation* is no exception in this regard. The first brief reviews to appear were of recent paperback fiction or reprints in the second issue under the title “The Countdown”. **Clareson and Lauterbach** stated that “we may appear too seldom for a regular book review feature, but we will include it at least once a year” **(1960a: 24)** which was the pattern for a good portion of *Extrapolation*’s first decade with a mixture of reviews and brief notices of some fiction and of the occasional non-fiction book which appeared in those early days of scholarly attention to F&SF studies (Table 5.5.5. below). Starting with the ninth volume (1967/68) a book review or a review column appeared in most issues. With volume 22 “we introduce a new department, ‘Star Cluster,’ which will review . . . new fiction . . . which we judge to be the best of the

Table 5.5.5.: <i>Extrapolation: Reviews, by Quinary</i>										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Reviews (Total: 440)</i>										
Number of Reviews items published per quinary:										
a	6	6	16	17	50	62	78	82	61	62
Percent of Reviews items of all items published in the quinary:										
b	13.6%	13.3%	14.0%	10.6%	16.1%	22.5%	26.1%	28.7%	19.7%	16.5%
Percent of Reviews items published in quinary of all 440 Reviews items:										
c	1.4%	1.4%	3.6%	3.9%	11.4%	14.1%	17.7%	18.6%	13.9%	14.1%
Percent of Reviews items per quinary of all 2,221 items:										
d	0.3%	0.3%	0.7%	0.8%	2.3%	2.8%	3.5%	3.7%	2.7%	2.8%

current field . . . significant new titles” said **Clareson (1981: 105)**; this fiction review section ran regularly for nearly six years (22.1-27.3 Spring 1981-Fall 1986).

Through the twenty-seventh volume (1986) Clareson was the most prolific, sometimes the only, reviewer. It was perhaps as an unstated preamble to winding up his editorship, possibly as an indication of the on-going explosion in the scholarly F&SF book market which few if any reviewers could possibly hope to encompass, that the number of reviewers expanded greatly at this point and that Clareson then became an occasional rather than a regular reviewer. The initial expansion of reviews divided into the “Star Cluster” fiction section and the non-fiction “Books” (later, “Reviews of Books”, then simply “Reviews”) sections, the additional reviewers, and the additional number of issues and pages with the move to Kent State UP (1979-2001) are all reflected in the increasing number of reviews or review sections noted in each five-year period. The slight contraction in the proportion of reviews to other items published in the final

decade may represent a slight contraction in the number of books made available for review in response to market forces, a steady-state or a reduction in the number of reviewers available, a rise in more time-responsive alternative reviewing venues with the expansion of the web, or simply an increase in the number of other types of items the editors wished to publish in the journal. Over these first fifty years, the 440 reviews and review sections were the second most numerous of all the publication types in *Extrapolation*, constituting 19.8% of all the different types of items published though still less than half the 42.2% proportion of Articles.

5.5.6. Brass Tacks, or, Lettercol: Letters

Letters to the editor, or to the publication, are a common though not universal feature of newspapers, popular magazines, and scholarly journals alike. Scholars, like newspaper readers, may feel driven to respond to, to argue with, or to defend the ideas

Table 5.5.6.: <i>Extrapolation</i> : Letters, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
Letters (Total: 84)										
Number of Letters items published per quinary:										
a			1		9	8	22	16	24	4
Percent of Letters items of all items published in the quinary:										
b			0.9%		2.9%	2.9%	7.4%	5.6%	7.7%	1.1%
Percent of Letters items published in quinary of all 84 Letters items:										
c			1.2%		10.7%	9.5%	26.2%	19.0%	28.6%	4.8%
Percent of Letters items per quinary of all 2,221 items:										
d			0.0%		0.4%	0.4%	1.0%	0.7%	1.1%	0.2%

of another whose text whether scholarship or review stirred them sufficiently to put fingers to keyboard to craft a response, a rejoinder, or a riposte. Although Clareson sometimes reprinted or quoted a letter in “The Launching Pad” in the early decades, only a single letter to the editor was published separately and noted in the table of contents in the December 1970 (12.1) issue prior to the initiation of the “Reaction Time” or “Letter(s)” section which did not become a feature in the journal until the 1979 Kent State UP move permitted both more frequent publication and an expanded number of pages in which to do so (Table 5.5.6. above). Letters proved to be a particularly active publication type from 1990-2004 (31.1-45.4), during the later Hassler and the early Martínez editorships. A total of 84 letters were published, for 3.8% of all items published, with the majority during the 1980-2004 period.

5.5.7. Ms Fnd in a Lbry: Primary Literature

The publication in a scholarly historical-critical humanities journal of a primary, or creative, work is probably an uncommon but not unknown occurrence (Table 5.5.7. below). The first half-decade of *Extrapolation's* existence saw two poems published, “Space Travel” by the Austrian Felix **Braun (1962)** as translated by regular contributor Robert Plank, and “A Century Hence” (1880) by Missouri lawyer William McClung Paxton, rediscovered by Kansas literary historian Ben **Fuson (1964)** and described as “a poetic precursor of Bellamy’s ‘Looking Backward’”. Three decades further on, feminist scholar Marleen **Barr (1995)** contributed “Goodnight, *Gynesis*; Goodnight, *Gyn/Ecology*”, a short story with three works cited which could perhaps also be described as a fictionalized essay, while her “Oy, It’s Superfeminist: An Ethnically

Table 5.5.7.: <i>Extrapolation: Primary Literature, by Quinary</i>										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Primary Literature (Total: 4)</i>										
Number of Primary Literature items published per quinary:										
a	2							1	1	
Percent of Primary Literature items of all items published in the quinary:										
b	4.5%							0.3%	0.3%	
Percent of Primary Literature items published in quinary of all 4 Primary Literature items:										
c	50.0%							25.0%	25.0%	
Percent of Primary Literature items per quinary of all 2,221 items:										
d	0.1%							0.0%	0.0%	

Tinged Alternative History Starring a Science Fiction Scholar” (2003) was described as a short story by Editor **Martínez (2003: 393)**. These four poetic and fictional texts constitute a negligible 0.2% of all items published in the first fifty years of *Extrapolation*.

5.5.8. With the Night Mail: Calls for Papers

Today, academics may see Calls for Papers (CfPs) for conferences and conference sessions, essay collections, newly initiated or continuing book series, and special issues of journals in their email, online discussion groups, Facebook groups, Twitter feeds, and elsewhere. Prior to this 24-7-365 glut of web-connectedness, such calls to eager scholars looking for places in which to broadcast the fruits of their research might have appeared in scholarly organization newsletters, in special mailings to the members of those organizations, in those special mailings stapled to departmental bulletin boards or taped to the office doors of colleagues, and in

disciplinary scholarly journals. *Extrapolation* too has contributed to this information flow, though rather modestly so until its fifth decade (Table 5.5.8 below).

Table 5.5.8: <i>Extrapolation</i> : Calls for Papers, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Calls for Papers (Total: 108)</i>										
Number of Calls for Papers items published per quinary:										
a			1	3	2	1	4	2	24	71
Percent of <i>Calls for Papers</i> items of all items published in the quinary:										
b			0.9%	1.9%	0.6%	0.4%	1.3%	0.7%	7.7%	18.9%
Percent of <i>Calls for Papers</i> items published in quinary of all 108 Calls for Papers items:										
c			0.9%	2.8%	1.9%	0.9%	3.7%	1.9%	22.2%	65.7%
Percent of Calls for Papers items per quinary of all 2,221 items:										
d			0.0%	0.1%	0.1%	0.0%	0.2%	0.1%	1.1%	3.2%

The first Call scarcely deserves the name due to its brevity: “Call for papers and session proposals. Inquiries now; completed papers by June 1, 1974. This announcement corrects that in *Extrapolation*, December, 1973” together with the conference name and dates, brief information on a pre-conference workshop on teaching SF at the same location, and the name and address of the local chair (**Center 1974**). The previous announcement of this Call was contained in two sentences embedded in one paragraph of **Clareson’s** editorial in the previous issue (**1973: 4**) which informal method was utilized by Clareson from time to time. During Hassler’s last nine years of editorship, 1992-2000 (33.1-41.4), the six issues containing discrete sections devoted to Calls for Papers also included those distinct CfP sections on the table of contents rather than leaving them to be visually stumbled upon by the reader.

Later, CfPs generally were relegated to the back of an issue, mixed in with the advertisements, but separated from them in the mind of this dissertating classifier by their CfP nature of asking for submissions for a particular purpose, though sometimes journals might also mention their subscription price. In total, 108 Call for Papers items, either singly or as part of a multi-CfP page, were published in *Extrapolation* through 2009 for a total of 4.9% of all items published.

5.5.9. Gravy Planet & The Space Merchants: Advertisements

Advertising in its myriad forms is so ubiquitous a feature of modern life that one may scarcely notice it as something upon which to comment, yet, for its first thirteen volumes *Extrapolation* carried no advertisements. As noted above (section 5.4), in its fourteenth year (1972/73) printing of the journal moved from the Wooster campus to a commercial printer. Prior to this, the journal was essentially a one-man (or one family) operation probably with typing and reproduction assistance by the department secretarial staff; after this, with presumably increased costs, the addition of advertisements and their related income may have become a more attractive option. The items identified here as Advertisements (Table 5.5.9. below) generally came from publishers or organizers of events, include the cost of the item advertised, and were not overtly a Call for Papers.

The first advertisements, for the recently established *Foundation: A Science Fiction Review* in the UK, and for the sercon fanzine *Riverside Quarterly* then based in Saskatchewan, appeared in the December 1972 (14.1) issue in the form of simply laid out typescript with dry transfer letter headings for the titles of the publications. The third

Table 5.5.9.: <i>Extrapolation: Advertisements, by Quinary</i>										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Advertisements (Total: 218)</i>										
Number of Advertisements items published per quinary:										
a			3	17	63	21	35	12	21	46
Percent of Advertisements items of all items published in the quinary:										
b			2.6%	10.6%	20.3%	7.6%	11.7%	4.2%	6.8%	12.2%
Percent of Advertisements items published in quinary of all 218 Advertisements items:										
c			1.4%	7.8%	28.9%	9.6%	16.1%	5.5%	9.6%	21.1%
Percent of Advertisements items per quinary of all 2,221 items:										
d			0.1%	0.8%	2.8%	0.9%	1.6%	0.5%	0.9%	2.1%

advertisement, for the “GBS and Science Fiction” special issue of *The Shaw Review*, appeared in the next issue (14.2 May 1973). The experiment with advertisements then lapsed until the publication of the journal was taken over in 1979 by a professional scholarly concern, the Kent State University Press.

At this point many more advertisements began to appear, a total of seventeen in the first year. Advertisements were both house ads for *Extrapolation* and for Kent State UP publications, as well as for the products of other university and commercial presses and occasionally for other journals, or for workshops and seminars. The first years after moving to Kent were the ones where *Extrapolation* was most successful in attracting advertisers. It may be speculated that the fluctuations in advertisement placement and a consequent decline in non-subscription-based income in the last years of the twentieth-century may have been a factor, even a deciding factor, in the decision of the Press to inform Editor Hassler in fall 2000 that 2001 “would be the last year that the

Press would publish *Extrapolation*” as a part of their “‘small business decision’ and not a literary judgement” (Hassler 2001: 301) which led to the subsequent move to the University of Texas, Brownsville and the addition of a new Editor. A total of 218 advertisements in *Extrapolation* through the end of 2009 constitute 9.8% of the 2,221 identifiable pieces in the journal.

5.5.10. Comlinks: Indexes

Some scholarly journals, though not all, publish indexes to their contents, sometimes on a volume or annual basis, sometimes on a quinquennial, decennial, or other multi-year basis (Table 5.5.10. below). A simple alphabetical listing by name of the authors of articles and perhaps the reviewers, maybe a listing of the titles of those articles or of the authors and titles of items reviewed, may suffice though occasionally more elaborate topical indexes can be added for a cumulative multi-year index for a

Table 5.5.10.: <i>Extrapolation</i> : Indexes, by Quinary										
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09
<i>Indexes (Total: 35)</i>										
Number of <i>Indexes</i> items published per quinary:										
a	1	2	1	1	5	5	5	5	5	5
Percent of <i>Indexes</i> items of all items published in the quinary:										
b	2.3%	4.4%	0.9%	0.6%	1.6%	1.8%	1.7%	1.7%	1.6%	1.3%
Percent of <i>Indexes</i> items published in quinary of all 35 <i>Indexes</i> items:										
c	2.9%	5.7%	2.9%	2.9%	14.3%	14.3%	14.3%	14.3%	14.3%	14.3%
Percent of <i>Indexes</i> items per quinary of all 2,221 items:										
d	0.0%	0.1%	0.0%	0.0%	0.2%	0.2%	0.2%	0.2%	0.2%	0.2%

sufficiently important occasion such as a major anniversary. The first indexes published by *Extrapolation* were irregular affairs and an annual volume index was not a regular part of its publication schedule until the conclusion of the first Kent State UP volume (20.4 Winter 1979). The first Index (4.1 December 1962) was an extremely modest affair, a single page listing by title of the thirteen articles appearing in the first three volumes (1.1-3.2 December 1959-May 1962) which had been deemed sufficiently important to have graced the pages of the annual *MLA International Bibliography*. A second index with a listing by author, then title, of the articles, and a list of books reviewed or briefly noted, in the first seven volumes (1.1-7.2 December 1959-May 1966) appeared in December 1966 (8.1). An index covering the first ten volumes appears in the Johnson Reprint Corporation's reprinting of those volumes as noted here, but it is not entirely clear as to whether this was an addition to the reprint or was an integral part of the May 1968 issue. A cumulative author and title index was published as a separate small pamphlet covering the first fourteen volumes and sent to subscribers. Volumes 16 through 19 are the only volumes to lack indexing in the journal itself. Altogether these 35 indexes constitute a meager 1.6% of all the items published in *Extrapolation* in its first fifty years.

5.6. Extrapolation: *The Quest: Indexing of Items in the Journal*

A.06. *What proportion of the individual publication document types are indexed in selected general, Literature specific, and Fantasy and Science Fiction Studies specific indexes; are there gaps in coverage due to index specific subject or chronological restraints?*

Those who read an article in a scholarly journal can identify the texts and other sources used by the scholar-author(s) of that article by moving from the note number or in-text reference to the corresponding foot- or end- Note or Works Cited section of the article. Then, if they wish, they may proceed to locate one of these interesting items with the information provided by making use of the numerous entry points provided by the modern bibliographic web. Likewise, readers of reviews may consult the bibliographic information provided for the items under review and determine how they too might be located.

But, what might occur if the would-be reader does not know of the existence of that article or those reviews, only that they have an information need for *something* written about a particular topic? The questing reader might be a student preparing for a seminar, looking for background on several topics in order to choose one for a paper, or researching for a thesis or dissertation, or, perhaps might be a scholar beginning exploration of a new research area, examining new scholarship published in a familiar subject area, or hunting for a final piece of information for an argument to be made in a presentation at an upcoming conference. How should the would-be reader proceed in

order to identify the existence of the particular grail, the resource(s) to satisfy (or even just satisfy) this need?

Today, that student-reader might turn to class assigned readings or to *Wikipedia* for a quick overview with, it is to be hoped, a critical, even somewhat jaundiced, eye, depending on the reader's knowledge of or sophistication about the topic. Similarly, a hasty bit of "Googling" on the scholar-reader's part to identify a dismaying 48,000 or so websites with the term(s) entered, however sloppily. The more practiced researcher-would-be-reader, or the more desperate student-would-be-reader perhaps under professorial compulsion, might profitably consult the tools or the gurus provided by their local information emporium, the library. There, amidst the clichéd dusty books or via the sparkly digital marvels of the library's website, the seeking-reader will identify, or gain access to, an array of bibliographies, indexes, and abstracts (oh, my!) organized to provide pointers to the next stage of the quest and possibly even the desired immediate access to the item itself. Unless the professor has instructed otherwise, and unless the students relay this instruction to the librarians, the lower division students taking general education classes outside their major and needing "just an article or two, *any* article" might be given the recommendation of a general index to periodicals both scholarly and popular with coverage of "a little bit of everything" and a suggestion to "consult your assignment" to see if only scholarly journals are acceptable or to "check with your professor" about the suitability of particular items. Upper division students in major department seminars and newer graduate students may self-direct to the security of a known database specializing "in the field" or may ask for advice about the availability of other possible resources to find information on topic X "besides using *Known Field-*

specific Database Y” which has already been checked. The knowledgeable professors and their increasingly well-informed advanced graduate students may plunge confidently into the bibliographic pool and wrestle with the ladies of the bibliographic lake for the gleaming sword or enchanted jewels of knowledge, only occasionally asking the sages and squirrels along the path for wisdom and advice.

Whether general or specialized, the formerly printed indexes and their contemporary database incarnations aid the seeker in the discovery of articles and other materials on specific topics published in scholarly journals, popular magazines, and newspapers, or, sometimes, depending on the database, in other sources such as books, conference proceedings and other collections or anthologies of articles, and even dissertations, reviews, or websites. To some researchers, if an item is not listed in subject-specific databases X, Y, or Z, it does not exist, and it is as effectively lost as though hidden in the mines of Moria. The more widely indexed, bibliographed, referenced, foot- or end-noted, Works Cited, listed, and/or recommended any item is, the more likely it has an opportunity to come to the attention of the questing would-be reader, thus the impetus for this question regarding how many of the items published in *Extrapolation* are listed in various formal indexing resources. Also, once an item comes to the attention of a would-be-publishing-scholar or dissertator, if the item has proven useful, informative, or is quoted, then it is then likely to be listed in the Notes or the Works Cited section of that scholar’s own piece(s) and the item may then in its turn be indexed itself, or found in the cited references area of a citation index, or even be analyzed in a piece of bibliometric scholarship, as below.

The cycle continues, and so it goes.

Databases Chosen: The databases specified here are widely, though not universally, available discovery tools which academic and other research libraries and librarians may make available to their patrons when affordable and appropriate to the disciplinary subject areas taught at and researched in their institutions. They have been divided into three groups of two: general indexes covering a wide variety of subject areas (*Academic Search Complete; Web of Science*); specialized disciplinary indexes in the area of Literature (*MLA International Bibliography; Annual Bibliography of English Language and Literature*); and specialized indexes devoted to the Fantasy & Science Fiction Studies field (*Science Fiction & Fantasy Research Database; Science Fiction & Fantasy Book Review Index*), both of which are freely available on the web. The primary purpose of most indexes is to provide access to the main contents of journals and possibly other publications, such as the articles and essays and probably any bibliographic items. They may include within their remit some or all of the editorials or introductory materials, notes, reviews, letters, and sometimes discovered, rediscovered, or reprinted primary literary works with or without an attendant scholarly apparatus. These publication types are the focus of this question. Indexes generally exclude as out-of-scope coverage of contributors notes and other very minor editorial pieces, calls for papers, advertisements, and annual indexes; should there be any indexing of these particular publication types it will be noted in the discussion of the specific index. The analysis of each index will indicate which publication types are usually included or excluded in its coverage and the extent of that coverage for each five-year period.

Table Display: The table for each index starts with a contextualizing line displaying the total number of all items published in *Extrapolation* each quinary (sum total=2,221). Then the volumes and dates covered by the specific index are noted. With each Publication Type, the total number of potentially indexible items is noted for the chronological period covered by that index. Then follows the *PIT: Potentially Indexible Total* for each type in each quinary with a parenthetical total for the number of items in those quinaries which are not fully covered by an index, e.g. for *Academic Search Complete* in the incompletely covered seventh quinary (1990/94) 18 of the 20 Editorials could, potentially, be indexed. The *AI: Actually Indexed* number indicates that four of those 18 Editorials were, indeed, indexed or 22.2% (AI/PIT) for that quinary.

The publication types considered, and their total potentially indexed items are: Articles (937 items), Notes (24), Bibliographies (50), Reviews (440), Letters (84), and Primary Literary works (4); for the Editorial Materials publication type, only the 184 Editorials proper are considered as potentially indexible with the other 132 Contributors notes and five minor editorial pieces excluded from consideration. Since some of the chosen indexes do not cover the entire 50-year period of *Extrapolation's* existence under consideration; the quinaries which are not included in the index are greyed out. Once all six indexes were reviewed and data on items indexed was collected, it turned out that none of the chosen indexes covered any of the 24 Notes, thus each table concludes with a summation of the number and percent of indexed potentially indexible items, first with, then without, the Notes included in the statistics.

5.6.1. Suit Radios: The General Indexes

The First Database: Academic Search Complete (ASC) is an online multi-disciplinary indexing and abstracting service covering more than 12,500 scholarly journals and popular magazines, several newspapers, as well as some reports, proceedings, and monographs; many of the entries include links to the full-text of the item. It is a subscription database created for the academic library market by the Ebsco company and it is the most complete of Ebsco's three *Academic Search* databases which also include *Academic Search Elite* and *Academic Search Premier*.

Chronologically, the core of indexing in *ASC* goes back to 1990 for many publications; however, there are some publications indexed as far back as 1887. (**"Academic" n.d.**) It is an index suitable for all academic-level researchers who seek breadth of coverage rather than depth in the literature of any one discipline.

Academic Search Complete on the EBSCOhost platform as subscribed to on 10 June 2015 by the University Library, California State University, Long Beach (CSULB) was used for this dissertation.

Extrapolation in the Database: In the specific case of *Extrapolation*, *ASC* began indexing it with the Fall 1990 (31.3) issue (see Table 5.6.1.a. below). Hence, for the seventh quinary (31.1-35.4 1990-1994) the parenthetical numbers in the table indicate the corresponding numbers for the Fall 1990 through Winter 1994 (31.3-35.4) issues excluding the unindexed Spring and Summer 1990 (31.1-31.2) issues. Thus, 272 items in total were published in this 4.5 year period out of all 299 items published in the full quinary (of the 2,221 items in all fifty years). There were 212 potentially indexible items

Table 5.6.1.a.:
Academic Search Complete: Indexing of Publication Types in Extrapolation

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299 (272)	286	310	376	2,221 (1,244)
Academic Search Complete: Indexed Items: 31.3-50.3 Fall 1990-Fall 2009											
Editorials (96 Potentially Indexible)											
PIT	10	10	11	13	21	21	20 (18)	21	20	37	184 (96)
AI							4	0	3	5	12
%							22.2%	0.0%	15.0%	13.5%	12.50%
Articles (486 Potentially Indexible)											
PIT	15	18	69	85	128	123	113 (100)	125	127	134	937 (486)
AI							100	125	127	134	486
%							100%	100%	100%	100%	100.00%
Notes (5 Potentially Indexible)											
PIT	1	6	4	0	2	6	0 (0)	1	3	1	24 (5)
AI							0	0	0	0	0
%							0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (6 Potentially Indexible)											
PIT	9	3	4	12	9	7	2 (2)	1	3	0	50 (6)
AI							2	1	3	0	6
%							100%	100%	100%	0.0%	100.00%
Reviews (278 Potentially Indexible)											
PIT	6	6	16	17	50	62	78 (73)	82	61	62	440 (278)
AI							73	82	61	62	278
%							100%	100%	100%	100%	100.00%
Letters (63 Potentially Indexible)											
PIT	0	0	1	0	9	8	22 (19)	16	24	4	84 (63)
AI							0	1	2	0	3
%							0.0%	6.3%	8.3%	0.0%	4.76%
Primary Literature (2 Potentially Indexible)											
PIT	2	0	0	0	0	0	0 (0)	1	1	0	4 (2)
AI							0	1	1	0	2
%							0.0%	100%	100%	0.0%	100.00%

Table 5.6.1.a. (continued): <i>Academic Search Complete: Indexing of Publication Types in Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 936 Potentially Indexible Items											
PIT	43	43	105	127	219	227	235 (212)	247	239	238	1,723 (936)
AI							179	210	197	201	787
%							84.4%	85.0%	82.4%	84.5%	84.08%
All 931 Potentially Indexible Items, excluding 24 (5) Notes											
PIT	42	37	101	127	217	221	235 (212)	246	236	237	1,699 (931)
AI							179	210	197	201	787
%							84.4%	85.4%	83.5%	84.8%	84.53%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

of 235, which leaves out the 27 items published in the two unindexed issues, of which 23 would have been considered to be indexible.

During the indexing period, items in all 74 issues published were indexed with varying degrees of completeness for each issue. All 486 Articles, 6 Bibliographies, 278 Reviews, and 2 Primary Literature essayistic short stories were included in ASC. ASC's indexing of Editorials was erratic in this 19.5 year period with only 12 of 96 (12.50%) included. Of these 12, six were Editorial introductions for special issues or sections, five of the indexed Editorials were written as usual by the journal's editors. The twelfth editorial piece indexed was an entry for the first author of the twenty who wrote invited editorial pieces for a special section on the current state of F&SF scholarship solicited in celebration of *Extrapolation's* fiftieth anniversary; three of the other nineteen unindexed authors of the invited pieces were mentioned in the abstract for the one author who was

indexed. Of the unindexed Editorials, six introduced special issues, 19 were the unindexed other celebratory items, and the remainder were the regular editorials written by the journal editors. These 84 unindexed Editorials appear to be not dissimilar to the 12 which were indexed, thus raising the question as to the criteria used by Ebsco's indexers for indexing or not indexing any specific editorial piece. None of the items categorized as Notes were indexed, which is probably explained by their being essentially ephemeral items. Only 3 Letters (4.76%) of the 63 published during the indexed period were included by ASC, and, as with Editorials, the criteria for indexing these and not the others are unknown.

For the period covered by *Academic Search Complete*, the Fall 1990-Fall 2009 issues, *Extrapolation* published 1,244 items total, of which 936 were considered to be potentially indexable. Of these 936 items, 787 or 84.08% were indexed. Save for the question regarding criteria for including or excluding certain Editorials or Letters from the index, the all of the items likely to be of most importance to scholars and to students (Articles, Bibliographies, Reviews) were indexed during the 19.5 years of coverage, which is not always the case as shall be seen in the following sections devoted to other indexes.

The Second Database: The Web of Science (WoS) is an online subscription-based indexing service created by Eugene Garfield at his Institute for Scientific Information (ISI), then owned by Thomson Reuters, currently Clarivate Analytics. First published in 1963, the initial printed index was called *Science Citation Index (SCI)*; it indexed scholarly journals in the physical and life sciences, but it was an index with a

difference. Rather than indexing the subject contents of the articles as traditional periodical indexes had done with controlled vocabulary thesauri, Garfield's difference in his index was that while it did have a keyword index based on words in the article titles, the main focus of the *SCI* was on the innovation of indexing the items in the reference lists of the articles (the cited references) in what was called the citation index. This citation index permitted the inquirer to identify who (the articles indexed by the *SCI* and their authors) had cited or referenced whom or what (the sources from the reference lists as listed in the indexed articles) on the theory that those items referenced or cited in a publication would reveal connections between that publication and its scholarship and the publications and the scholarship that preceded it. Thus, the researcher might take a known item that had proven useful and follow it forward in time to newer publications by other researchers who also had found that known item useful and who then had cited or referenced it in a journal article, provided the journal publishing the article was one of the journals included in the list of publications *SCI* covered. In 1975, ISI commenced publication of two additional citation indexes, *Social Sciences Citation Index (SSCI)* and *Arts and Humanities Citation Index (AHCI)*. Currently, coverage of journals goes back to 1900 for both the *SCI* and the *SSCI*, while the starting point for the *AHCI* remains 1975. These three indexes constitute the core of the *Web of Science* database which is available at many research-oriented academic institutions. The database is most suited to the needs of researchers such as professors and graduate students, but may prove useful for some advanced undergraduates.

The *Web of Science* as subscribed to on 10 June 2015 by the Libraries, University of California, Los Angeles (UCLA) was used for this dissertation.

Extrapolation in the Database: In the specific case of *Extrapolation*, *WoS* began indexing it with the May 1975 (16.2) issue. Hence, for the fourth quinary (16.1-20.4 December 1974-Winter 1979) the parenthetical numbers in Table 5.6.1.b. below indicate the corresponding numbers for the May 1975 through Winter 1979 (16.2-20.4) issues, excluding only the unindexed December 1974 (16.1) issue. Thus, 147 items in all were published in this 4.5 year period out of the 161 items total in the full quinary, excluding the 14 items published in the December 1974 (16.1) issue. A total of 115 potentially indexible items could have been covered out of all 127 items in the quinary, again excluding the 12 indexible items from December 1974.

During the indexing period, material in all 127 issues published were indexed, although initially non-Article items were covered more selectively. Of the 829 Articles published, all but one were indexed by *WoS* for 99.88% coverage; that unindexed Article was an in memorium piece on an important writer-critic published in the second issue (17.1) covered by *WoS*. Of the 33 Bibliographies published, 28 (84.85%) were indexed by *WoS*. Of the five Bibliographies inexplicably not included in the *WoS* coverage, one was the 1985 installment of Tymn's "Year's Scholarship" series (27.2), all the other installments having been covered, and another was his initial bibliography covering 1972-1973 American SF scholarship even though two other bibliographies published in that same issue (17.1) were included. The other three bibliographies not covered were devoted to the second part of a bibliography begun in the issue (16.1) just before *WoS* coverage commenced, a short bibliographic guide for teachers also in an issue (17.2) early in *WoS* coverage, and a listing of important monographs on the fantastic to support that issue's special topic (28.1) published in lieu of the regular book

Table 5.6.1.b.:
Web of Science: Indexing of Publication Types in Extrapolation

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161 (147)	311	275	299	286	310	376	2,221 (2,004)
Web of Science: Indexed Items: 16.2-50.3 May 1975-Fall 2009											
Editorials (152 Potentially Indexible)											
PIT	10	10	11	13 (12)	21	21	20	21	20	37	184 (152)
AI				1	6	7	12	19	15	31	91
%				8.3%	28.6%	33.3%	60.0%	90.5%	75.0%	83.8%	59.87%
Articles (829 Potentially Indexible)											
PIT	15	18	69	85 (79)	128	123	113	125	127	134	937 (829)
AI				78	128	123	113	125	127	134	828
%				98.7%	100%	100%	100%	100%	100%	100%	99.88%
Notes (13 Potentially Indexible)											
PIT	1	6	4	0 (0)	2	6	0	1	3	1	24 (13)
AI				0	0	0	0	0	0	0	0
%				0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (33 Potentially Indexible)											
PIT	9	3	4	12 (11)	9	7	2	1	3	0	50 (33)
AI				8	9	5	2	1	3	0	28
%				72.7%	100%	71.4%	100%	100%	100%	0.0%	84.85%
Reviews (408 Potentially Indexible)											
PIT	6	6	16	17 (13)	50	62	78	82	61	62	440 (408)
AI				8	31	58	78	82	60	61	378
%				61.5%	62.0%	93.5%	100%	100%	98.4%	98.4%	92.65%
Letters (83 Potentially Indexible)											
PIT	0	0	1	0 (0)	9	8	22	16	24	4	84 (83)
AI				0	7	6	15	16	23	4	71
%				0.0%	77.8%	75.0%	68.2%	100%	95.8%	100%	85.54%
Primary Literature (2 Potentially Indexible)											
PIT	2	0	0	0 (0)	0	0	0	1	1	0	4 (2)
AI				0	0	0	0	1	1	0	2
%				0.0%	0.0%	0.0%	0.0%	100%	100%	0.0%	100.00%

Table 5.6.1.b. (continued): <i>Web of Science: Indexing of Publication Types in Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 1,520 Potentially Indexible Items											
PIT	43	43	105	127 (115)	219	227	235	247	239	238	1,723 (1,520)
AI				95	181	199	220	244	229	230	1,398
%				82.6%	82.6%	87.7%	93.6%	98.8%	95.8%	96.6%	91.97%
All 1,507 Potentially Indexible Items, excluding 24 (13) Notes											
PIT	42	37	101	127 (115)	217	221	235	246	236	237	1,699 (1,507)
AI				95	181	199	220	244	229	230	1,398
%				82.6%	83.4%	90.0%	93.6%	99.2%	97.0%	97.0%	92.77%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

review section. A large majority of the Reviews (378 of 408; 92.65%) were included in WoS; most of the unindexed review sections were devoted to overviews of recent publications or reprints, to brief one paragraph reviews of non-fiction about F&SF, or to fiction. The two reviews not covered in the final decade were reviews of special fantasy or science fiction issues published by other scholarly journals; these two lacunae seem unusual, since a special issue of a journal might be considered the journal version of a single topic book anthology, a publication type for which a number of book reviews may be found in *Extrapolation* with those reviews indexed in WoS. Both Primary Literature items by Marleen Barr which I've described as essayistic short stories were included in WoS, one categorized as an Article (36.3), perhaps because it included a brief Works Cited list, and the other as "Fiction, Creative Prose" (44.4) perhaps because it did not.

During this 34.5 year period the indexing of Editorials increased from one-third or fewer, to three-quarters or more, a total of 91 items out of 152 overall (59.87%). While most of the editorials written by the editors of special issues were included in *WoS* coverage, the regular editorials written by Claerson, Hassler, or Martínez were included on a far more miss than hit basis for which this researcher can determine no pattern. The author's erratum item which was previously characterized as one of the five minor editorial pieces was indexed by *WoS*, but it is not included in the statistics noted in the table above. None of the items categorized as Notes were indexed, which is probably explained as before by their mostly ephemeral nature, as with *ASC*'s lack of coverage. As with the Editorials, the Letters too were incompletely covered by *WoS*, with 71 of the 83 published included (85.54%), with most of those unindexed being published in the earlier quinquaries of the indexed period.

For the period covered by *Web of Science*, the May 1975-Fall 2009 issues, *Extrapolation* published 2,004 items total, of which 1,520 were considered to be potentially indexable. Of these 1,520 items, 1,399 or 92.04% were indexed. Save for questions regarding criteria for including or excluding certain Editorials or Letters from *WoS*, the items likely to be of most importance to scholars and to students (Articles, Bibliographies, Reviews) were indexed for the most part. If one were to limit oneself to solely the Articles and Bibliographies, 856 of 862 (99.19%) of these were indexed by *WoS* during its 34.5 years of coverage; adding the 378 Reviews to the mix, 1,234 items of 1,273 items (96.94%) were covered.

5.6.2. Tight-beams: The Specialized Literature Indexes

The Third Database: The Modern Language Association's *International Bibliography (MLAIB)* is a "bibliography of journal articles, books, Web sites, and dissertations . . . relate[d] to all forms of human communication" including critical works on literature, folklore, language and linguistics, as well as "literary theory and criticism, dramatic arts (film, radio, television, theater), and history of printing and publishing" published worldwide, in more than 60 languages "although the majority of journals indexed are in English". Consonant with the MLA's organizational focus, modern is defined as the post-classical period, or, as this writer used to tell English majors, "basically, since the so-called Fall of Rome approximately 476 CE, or, for English, *Beowulf* to date". The most recent addition to the topics covered occurred in 2000 when "indexers began coverage of the history, theory, and practice of teaching language, literature, and rhetoric and composition at the college level". Materials excluded from the *MLAIB* are reviews unless they are "review articles so identified by the publication in which they appear", "[l]etters to editors, obituary notices, and the like . . . unless they make a significant contribution to literary, linguistic, or folklore scholarship", "literary works and translations . . . unless they are accompanied by a new critical or bibliographical apparatus", and "[t]extbooks, syllabi, courseware, lesson plans, and how-to guides". Items listed in the *MLAIB* are indexed by a combination of MLA staff ("multilingual specialists with advanced degrees in literature, language, folklore, and linguistics", many with PhDs) and volunteer "[s]cholars in the field [who] also contribute material in their areas of expertise" (**Modern Language 2010, 2013**).

The first annual *MLAIB* was published as a series of bibliographic essays by several scholars under the collective title “American Bibliography for 1921” in the March 1922 issue of *PMLA: Publications of the MLA*, the flagship journal of the Association. After publishing the first five of these annual collections of bibliographic essays, the bibliography covering 1926 published materials the *MLAIB* commenced its long-familiar bibliographic listings arranged by language, nationality, and time period which for many years was a part of, or the whole of, an issue of *PMLA*. When the bibliography grew too lengthy, and the timely publication of it as an issue of *PMLA* became untenable, it began publication in multiple separate volumes with the 1969 Bibliography (**Meserole 1971: 582**). Beginning with the 1956 bibliography, its remit was expanded from listing only American published scholarship on modern languages and literatures to include international scholarship, though initially it was heavily Anglo-Euro-centric in the resources it listed. Online access to recent years of the bibliography began in 1977. The printed annual bibliography added a separate subject index with the 1980 volume, and it finally ceased print publication after the 2008 bibliography (**Tonkin 2010**). In several stages the older years of the bibliography were added to the online version so that today this electronic version contains the materials published in the printed version back through the 1926 bibliographic indexing, though the online version also includes materials as far back as the 1880s due to the addition of references to materials published in journals included in the *JStor* language and literature collections (**Modern Language 2010**).

The *Modern Language Association International Bibliography* as subscribed to on 9 June 2015 by the University Library, California State University, Long Beach (CSULB) on the EBSCOhost platform was used for this dissertation.

Extrapolation in the Database: Serving as it did initially as the newsletter of the MLA's Conference (later, Seminar) on Science Fiction, *Extrapolation* has been indexed in the *MLAIB* from its first issue (Table 5.6.2.a. below). There is a caveat to this simple statement, however. Relying as it does partially on the services of volunteer scholar-indexers, a number of gaps have been discovered in its coverage of the journal. No entries were found in the *MLAIB* for any items published in at least 18 issues of *Extrapolation*: May 1976 (17.2); Summer, Fall, and Winter 1981 (22.2-4); Fall and Winter 1982 (23.3-4); Spring and Winter 1983 (24.1 & 4); Spring, Summer, Fall, and Winter 1984 (25.1-4); Spring, Summer, and Fall 1985 (26.1-3); Spring and Summer 1986 (27.1 & 2); and Fall 1987 (28.3). Making allowances for the exclusion of reviews, and of pedagogical and obituary/in memoriam articles, at least 110 potentially indexible items were thus excluded from the *MLAIB* due to the complete omission of these issues from the *Bibliography*. For at least an additional half-dozen issues half or more of the eligible Articles and Bibliographies, representing more than two dozen items, were also not indexed. Thus, for much of the 1980s (the fifth and sixth quinquennaries) the figures for items indexed as given in the table are considerably lower than would have been the case had the indexers been as assiduous as one might expect of a well-respected disciplinary index, and these lacunae must be remembered when considering the discussion below. Lags in timeliness of coverage, and other deficiencies in items

Table 5.6.2.a.:
MLA International Bibliography: Indexing of Publication Types in Extrapolation

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299	286	310	376	2,221
MLA International Bibliography (MLAIB): Indexed Items: 1.1-50.3 December 1959-Fall 2009											
Editorials (184 Potentially Indexible)											
PIT	10	10	11	13	21	21	20	21	20	37	184
AI	0	0	0	0	1	2	1	1	2	25	32
%	0.0%	0.0%	0.0%	0.0%	4.8%	9.5%	5.0%	4.8%	10.0%	67.6%	17.39%
Articles (937 Potentially Indexible)											
PIT	15	18	69	85	128	123	113	125	127	134	937
AI	15	18	64	66	39	79	112	120	124	133	770
%	100%	100%	92.8%	77.6%	30.5%	64.2%	99.1%	96.0%	97.6%	99.3%	82.18%
Notes (24 Potentially Indexible)											
PIT	1	6	4	0	2	6	0	1	3	1	24
AI	0	0	0	0	0	0	0	0	0	0	0
%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (50 Potentially Indexible)											
PIT	9	3	4	12	9	7	2	1	3	0	50
AI	9	3	3	9	4	2	2	1	3	0	36
%	100%	100%	75.0%	75.0%	44.4%	28.6%	100%	100%	100%	0.0%	72.00%
Reviews (440 Potentially Indexible)											
PIT	6	6	16	17	50	62	78	82	61	62	440
AI	2	1	3	0	0	0	0	0	0	0	6
%	33.3%	16.7%	18.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.36%
Letters (84 Potentially Indexible)											
PIT	0	0	1	0	9	8	22	16	24	4	84
AI	0	0	0	0	1	0	0	0	0	0	1
%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	0.0%	0.0%	0.0%	0.0%	1.19%
Primary Literature (4 Potentially Indexible)											
PIT	2	0	0	0	0	0	0	1	1	0	4
AI	1	0	0	0	0	0	0	1	0	0	2
%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	0.0%	0.0%	50.00%

Table 5.6.2.a. (continued): <i>MLA International Bibliography: Indexing of Publication Types in Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 1,723 Potentially Indexible Items											
PIT	43	43	105	127	219	227	235	247	239	238	1,723
AI	27	22	70	75	45	83	115	123	129	158	847
%	62.8%	51.2%	66.7%	59.1%	20.5%	36.6%	48.9%	49.8%	54.0%	66.4%	49.16%
All 1,699 Potentially Indexible Items, excluding 24 Notes											
PIT	42	37	101	127	217	221	235	246	236	237	1,699
AI	27	22	70	75	45	83	115	123	129	158	847
%	64.3%	59.5%	69.3%	59.1%	20.7%	37.6%	48.9%	50.0%	54.7%	66.7%	56.20%
All 1,259 Potentially Indexible Items, excluding 24 Notes and 440 Reviews											
PIT	36	31	85	110	167	159	157	164	175	175	1,259
AI	25	21	67	75	45	83	115	123	129	158	841
%	64.3%	59.5%	69.3%	59.1%	20.7%	37.6%	48.9%	50.0%	54.7%	73.8%	36.30%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

expected to be indexed in the *MLAIB* have also been noted previously by **May (2014)** and **Uchitelle (1998)**. As has been said proverbially, even Jove nods.

During the fifty-year period under examination, 770 of the 937 Articles (82.18%) and 36 of the 50 Bibliographies (72.00%) published in *Extrapolation* were included in the *MLAIB*. Particularly noticeable is the precipitous drop in indexing coverage in the fifth quinary (1980-1984) when fewer than one-third of the Articles were indexed, and in the sixth (1985-1989) when fewer than one-third of the Bibliographies were. While the absence of some of the other 167 Articles and 14 Bibliographies might be explained by their subject matter, as with the excluded-by-policy obituary pieces and the pre-year 2000 pedagogical items, a minimum of 134 of these 181 unindexed items are missing due to the previously mentioned lapses in indexing, such that one might have expected

at least 940 of the combined 987 of them (95.24%) to have been present. As many, if not all, of these missing items are indexed in other indexes herein examined, they will not be entirely lost to view for those scholars and students who do not rely solely upon the *MLAIB* for access to F&SF scholarship; unfortunately, not all seekers know of the existence of these other indexes, nor, even when known, do all have access to them, or having access make use of them.

None of the items categorized as a Note was included in the *MLAIB*. Two of the four Primary Literature items were included in the *MLAIB* indexing, one being a literary work (a poem) accompanied by a new critical apparatus (**Modern Language 2013**), and the other one is the aforementioned essayistic short story which included a brief Works Cited list. While Reviews are generally excluded from the *MLAIB*, six of 28 (21.43%) Review items published in the first 15 volumes were included. Like Reviews, Letters to the editor are generally excluded from coverage, so it is not surprising that only one of the 84 Letters published was indexed (1.19%). While this was a substantial Letter in response to a previously published Article, to this researcher it does not appear to be much more substantial than some of the other published Letters which were not accorded the formality of being noticed. As observed with previously reviewed indexes, editorials are not always indexed. For the *MLAIB*, though not all special issue introductory Editorials were indexed, all 32 of the Editorials that were indexed (17.39%) were introductions for a special issue or section, or were part of the special section of 20 editorial pieces on the current state of F&SF scholarship solicited in celebration of *Extrapolation's* fiftieth anniversary. As with *ASC* and *WoS*, none of the 108 Calls for Papers nor the 218 Advertisements were included in the coverage provided by *MLAIB*.

However, for some reason, one of the Indexes, the second published Index covering the first seven volumes of the journal was inexplicably indexed, but it has not been represented in the table above.

For the fifty-year period under review, *Extrapolation* published 2,221 items total, of which 1,723 were considered to be potentially indexible. Of these 1,723 items, 847 or 49.16% were indexed by the Modern Language Association's *International Bibliography*. Since Reviews are generally excluded from the *MLAIB*, if the 6 indexed Reviews were excluded from the 847 actually indexed items, and if the 440 Reviews and the unindexed 24 Notes were excluded from the 1,723 potentially indexible items, the 841 items would constitute 66.80% of the remaining 1,259 potentially indexible items. Limited to the 806 Articles and Bibliographies most likely to be of interest to scholars and student, this is 81.66% of 987 items. While this represents four-fifths of the items most likely to be of interest to scholars, the lack of the other items of potential interest published in the issues which were completely or partially neglected by the MLA's staff indexers and volunteer scholar-indexers is to be regretted.

One might also indulge in a few other theoretical calculations. Had the unindexed minimum of 134 Articles and Bibliographies actually been indexed, the *MLAIB* would have had at least 981 indexed items, or 56.94% of the 1,723 potentially indexible items; again, adding these 134 items solely to the 806 indexed Articles and Bibliographies this hypothetical more perfect 940 items would have been 95.24% of the 987 items. Likewise, were one to exclude the 6 indexed Reviews the resultant hypothetical 975 items would constitute 77.44% of the 1,259 items, also without Notes

and Reviews. Either of these figures would have been much more satisfactory ones for such a major index.

The Fourth Database: The Annual Bibliography of English Language and Literature (ABELL) created by the Modern Humanities Research Association (MHRA) in the United Kingdom

aims to list annually all scholarly articles, books and reviews concerning English language and literature and related topics published anywhere in the world, and in any language. (Education and pedagogical subjects, and the medical application of linguistics, are excluded.) The list of subjects covered includes: Drama; Poetry; Fiction; Biography; Literary Theory; Film; Bibliography; Traditional Culture; Onomastics; Lexicography; Dialectology.

Also, according to the MHRA website in 2014 “The first volume—reporting items published in 1920—was published in 1921, and the most recent volume covers the report year 2012. The volumes are compiled by a worldwide team of volunteer contributors, and edited by teams based both in Cambridge, England, and in Massachusetts, USA” (**Modern Humanities 2014**).

Thus, *ABELL* and *MLAIB* share some similarities and have a few differences. While both espouse a commitment to covering scholarship published in multiple languages, *ABELL* restricts itself to covering scholarship on the English language and on literature written in English, while *MLAIB* theoretically covers scholarship on all post-classical languages and literatures. *ABELL* indexes reviews, while *MLAIB* does not

save for review articles meeting certain criteria. *ABELL* excludes materials on education and pedagogy, while *MLAIB* has included materials on these subjects at the collegiate level since the year 2000. While both bibliographic indexes are available online, the *MLAIB* ceased print publication after the publication of the bibliography covering the year 2008, and the MHRA is still committed to publishing print volumes of *ABELL*, with volume 92 covering 2017 publications being the latest as of December 2018 (**Modern Humanities 2018**).

The MHRA's *Annual Bibliography of English Language and Literature* on the Chadwyck Healey platform as subscribed to on 10 June 2015 and again on 27 July 2018 by the Libraries, University of California, Los Angeles (UCLA) was used for this dissertation.

Extrapolation in the Database: *ABELL* begins coverage of *Extrapolation* with the third issue (2.1 December 1960), thus excluding nine potentially indexible items (Table 5.6.2.b. below). During the period under examination, 499 of the 933 Articles (53.48%) were indexed, along with 32 of the 48 Bibliographies (66.67%). As with *MLAIB* none of the 24 Notes was indexed by *ABELL*. Of the Reviews, 137 of 439 (31.21%) were also indexed. Only 3 of the 182 Editorials (1.65%) were included, one an introductory editorial for a special issue devoted to Ursula K. Le Guin, another a commemoration of *Extrapolation's* first 25 years, and the third parenthetically described by *ABELL's* indexer as focusing on trends in SF criticism. Only 8 of the 84 Letters (9.52%) were covered, while only 1 of the 4 Primary Literature items (25.00%) were recognized, though there does not appear to be either a prohibition, nor any prescription, on

Table 5.6.2.b.:
ABELL: Indexing of Publication Types in *Extrapolation*

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299	286	310	376	2,221
Annual Biblio of English Lang & Lit (ABELL): Indexed Items: 2.1-50.3 December 1960-Fall 2009											
Editorials (182 Potentially Indexible)											
PIT	10 (8)	10	11	13	21	21	20	21	20	37	184 (182)
AI	0	0	0	0	2	1	0	0	0	0	3
%	0.0%	0.0%	0.0%	0.0%	9.5%	4.8%	0.0%	0.0%	0.0%	0.0%	1.65%
Articles (933 Potentially Indexible)											
PIT	15 (11)	18	69	85	128	123	113	125	127	134	937 (933)
AI	9	9	45	71	109	26	87	112	23	8	499
%	81.8%	50.0%	65.2%	83.5%	85.2%	21.1%	77.0%	89.6%	18.1%	6.0%	53.48%
Notes (24 Potentially Indexible)											
PIT	1 (1)	6	4	0	2	6	0	1	3	1	24 (24)
AI	0	0	0	0	0	0	0	0	0	0	0
%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (48 Potentially Indexible)											
PIT	9 (7)	3	4	12	9	7	2	1	3	0	50 (48)
AI	4	2	3	11	8	2	1	1	0	0	32
%	57.1%	66.7%	75.0%	91.7%	88.9%	28.6%	50.0%	100%	0.0%	0.0%	66.67%
Reviews (439 Potentially Indexible)											
PIT	6 (5)	6	16	17	50	62	78	82	61	62	440 (439)
AI	0	0	8	6	17	3	34	59	6	4	137
%	0.0%	0.0%	50.0%	35.3%	34.0%	4.8%	43.6%	72.0%	9.8%	6.5%	31.21%
Letters (84 Potentially Indexible)											
PIT	0 (0)	0	1	0	9	8	22	16	24	4	84 (84)
AI	0	0	0	0	7	1	0	0	0	0	8
%	0.0%	0.0%	0.0%	0.0%	77.8%	12.5%	0.0%	0.0%	0.0%	0.0%	9.52%
Primary Literature (4 Potentially Indexible)											
PIT	2 (2)	0	0	0	0	0	0	1	1	0	4 (4)
AI	1	0	0	0	0	0	0	0	0	0	1
%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	25.00%

Table 5.6.2.b. (continued): <i>ABELL: Indexing of Publication Types in Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 1,714 Potentially Indexible Items											
PIT	43 (34)	43	105	127	219	227	235	247	239	238	1,723 (1,714)
AI	14	11	56	88	143	33	122	172	29	12	680
%	41.2%	25.6%	53.3%	69.3%	65.3%	14.5%	51.9%	69.6%	12.1%	5.0%	39.67%
All 1,699 Potentially Indexible Items, excluding 24 Notes											
PIT	43 (33)	37	101	127	217	221	235	246	236	237	1,700 (1,690)
AI	14	11	56	88	143	33	122	172	29	12	680
%	42.4%	29.7%	55.4%	69.3%	65.9%	14.9%	51.9%	69.9%	12.3%	5.1%	40.24%
All 1,259 Potentially Indexible Items, excluding 24 Notes and 440 (439) Reviews											
PIT	43 (28)	31	85	110	167	159	157	164	175	175	1,259 (1,251)
AI	14	11	48	82	126	30	88	113	23	8	543
%	50.0%	35.5%	56.5%	74.5%	75.4%	18.9%	56.1%	68.9%	13.1%	4.6%	43.41%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

indexing letters to the editor nor on scholarly editions or reprints of primary works. As with *MLAIB*, one of the Indexes, again the second published Index covering the first seven volumes of the journal, was inexplicably indexed, but it is not represented in the table above.

Reviewing *ABELL*'s coverage quinary by quinary, there is a great deal of variation in the proportion of coverage of materials which is not to be explained by any wide variations in the publication of materials devoted to English language versus non-English language literatures and film. For example, for Articles, the sixth (1985-1989), ninth (2000-2004), and tenth (2005-2010) quinaries may be noted as having particularly

low percentages of expected items indexed. The proportion of indexing of Articles and Reviews particularly in the last two quinquenniums, less than 20% and 10% respectively, is especially conspicuous, thus a double-check of ABELL coverage was conducted on 27 July 2018, and these items had still not been covered. These figures appear to confirm some of **May's** observations on whether or not *ABELL* and *MLAIB* are “keeping up” based on his “cursory inspection” in September 2014 (**2014**).

These variations in indexing led to a quick review of gaps in coverage in *ABELL*, as was done with the *MLAIB*. In addition to ignoring the first two issues (1.1-1.2 December 1959 & May 1960) of *Extrapolation*, *ABELL* lacks indexing of any appropriate items for the issues of Spring and Summer 1986 (27.1-27.2), Winter 1986-Spring 1990 (27.4-31.1), Fall 1990 (31.3), Spring 2001-Summer 2005 (42.1-46.2), Winter 2005-Winter 2007 (46.4-48.3), or Summer 2008-Summer 2009 (49.2-50.2). These 48 issues include, conservatively, at least 230 Articles and Bibliographies which appear to this researcher to be on topics well within *ABELL's* subject restriction to English language literature and film and its exclusion of pedagogically oriented items. For the 1986-1990 and 2001-2009 periods there were an additional five issues with a combined eight Articles indexed leaving at least 19 others unindexed even though their subjects were American, Australian, British, and Caribbean authors writing in English.

Excluding *Extrapolation's* unindexed first year/volume, 1,714 items were considered to be potentially indexable by *ABELL*. Of these 1,714 items, 680 or 39.67% were indexed by the Modern Humanities Research Association's *Annual Bibliography on English Language and Literature*, which exclude the one indexed Index. This is somewhat lower than the comparable *MLAIB* figure of 49.16% of items indexed out of

1,723 potentially indexible items. If the examination is limited solely to the 531 Articles and Bibliographies, these comprise only 54.12% of the potential 981 indexible items, a disappointing figure even making allowances for the English language origin focus of the database-index. If one were to exclude both Notes and Reviews from these calculations to render the figures for the two Literature- and language-oriented indexes somewhat more comparable, *ABELL*'s 543 items (43.41% of potentially 1,251 items) are still considerably fewer than the *MLAIB*'s 841 (66.80%) with the same exclusions. With or without Reviews, the proportion of materials indexed by *ABELL* overall was expected to be lower than that of the *MLAIB* due to *ABELL*'s restriction to English language literatures and related topics. The additional absences due to the un- and under-indexed issues and their items of potential interest overlooked by the staff and volunteer scholar-indexers not only reduced *ABELL*'s proportion of *Extrapolation* listings, but, as with the gaps in the *MLAIB*, are to be regretted in another well-respected disciplinary index.

As with *MLAIB*, one might make a few theoretical calculations with *ABELL*. Had the previously noted 249 additional subject appropriate but unindexed Articles and Bibliographies been indexed and had they been added to the 680 items that were included, this theoretical minimum of 929 items would have raised *ABELL*'s proportion to 54.20% of the 1,714 potentially indexible items, much closer to *MLAIB*'s proportion of 56.94% of the 1,723 potentially indexible items, without the literature and language coverage restrictions to which *ABELL* is subject. If one were to limit the calculation solely to Articles and Bibliographies, the resulting theoretical 780 items would have been 79.51% of 981 items. By likewise excluding Reviews and Notes from these

figures, *ABELL*'s 545 indexed non-Review items together with the unindexed 249 Articles and Bibliographies would represent 63.47% of the 1,251 potentially indexible items, somewhat closer to the comparable 77.44% of the *MLAIB* with the addition of its appropriate but unindexed items and the same Notes and Reviews exclusions.

5.6.3. Ansibles: The Specialized F&SF Indexes

The Fifth Database: The introduction to the ***Science Fiction and Fantasy Research Database*** (*SFFRDb*) describes it as “an on-line, searchable compilation and extension of *Science Fiction and Fantasy Reference Index 1878-1985*, *Science Fiction and Fantasy Reference Index 1985-1991*, and *Science Fiction and Fantasy Reference Index 1992-1995*, including material located since publication of the last printed volume” (n.d.). The three printed versions compiled by Texas A&M University librarian Hal W. Hall were published in 1987, 1993, and 1996 respectively. The inspiration for the *SFFRDb* and its companion, the *Science Fiction and Fantasy Book Review Index* (*SFFBRI*; see below), came to Hall during a reference desk encounter “back in 1967 or thereabouts” when the standard periodical and book review indexes of the day failed to provide references to reviews of a book by Isaac Asimov needed by a student at Sam Houston University; Hall identified some reviews for the student that evening through perusal of his personal collection of SF magazines. This experience led ultimately to the creation of a test index of reviews found in the 1969 issues of *Analog* and *Science Fiction Review*, to sending copies of this test index out “to a small group of influential scholars asking whether it was useful. The response was virtually unanimous: Yes.” The indexing of reviews eventually was expanded to include other secondary literature

with the initial results published as the annual *Science Fiction Research Index*, the first five years of which were cumulated and incorporated as a separate section within the second, 1980-1984, volume (1985) of the three cumulative printed volumes of *Science Fiction and Fantasy Book Review Index* before forming a portion of the first of the three *Science Fiction and Fantasy Reference Index* volumes: 1878-1985 (**1987b**), 1985-1991 (**1993**), and 1992-1995 (**1996**) (as described by Hall in **Potvin and Coker 2013: 52-53**).

The scope of the database is “designed to cover all aspects of science fiction, fantasy, horror, supernatural and weird fiction. History, criticism, commentary, fan writings and some reviews are all included, although book reviews are left to *Science Fiction and Fantasy Book Review Index* at this time” (**SFFRDb n.d.**). The first printed volume in 1987 included more than 19,000 items, while the online, open access, version launched in June 2000 contained more than 50,000 entries by 2002, some 75,000 entries by the end of 2006, over 100,300 items by May 2013, by early November 2015 “just under 110,000 items” (**Hall 2015**) and 118,014 items as of 19 February 2020 (**Hall 2020**). Hall and the *SFFRDb* and the *SFFBRI* were supported by the concurrent growth of the Science Fiction Research Collection at Texas A&M beginning in the early 1970s (**Potvin and Coker 2013: 52-53, 55, 57; Hall 2015**).

The *Science Fiction and Fantasy Research Database* on the Texas A&M University Library server on 12 June 2015 was used for this dissertation.

Extrapolation in the Database: As one might expect with such a tightly focused subject field index, the coverage by the *SFFRDb* of the essay and bibliography items most likely to be sought by scholars and students is excellent (Table 5.6.3.a. below). Of

Table 5.6.3.a.:
SF&F Research Database: Indexing of Publication Types in *Extrapolation*

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299	286	310	376	2,221
SF&F Research Database (SFFRDb): Indexed Items: 1.1-50.3 December 1959-Fall 2009											
Editorials (184 Potentially Indexible)											
PIT	10	10	11	13	21	21	20	21	20	37	184
AI	0	0	0	0	1	2	1	1	2	22	29
%	0.0%	0.0%	0.0%	0.0%	4.8%	9.5%	5.0%	4.8%	10.0%	59.5%	15.76%
Articles (937 Potentially Indexible)											
PIT	15	18	69	85	128	123	113	125	127	134	937
AI	14	17	67	85	127	123	113	125	127	134	932
%	93.3%	94.4%	97.1%	100%	99.2%	100%	100%	100%	100%	100%	99.25%
Notes (24 Potentially Indexible)											
PIT	1	6	4	0	2	6	0	1	3	1	24
AI	0	0	0	0	0	0	0	0	0	0	0
%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (50 Potentially Indexible)											
PIT	9	3	4	12	9	7	2	1	3	0	50
AI	7	3	1	12	9	6	2	1	3	0	44
%	77.8%	100%	25.0%	100%	100%	85.7%	100%	100%	100%	0.0%	88.00%
Reviews (440 Potentially Indexible)											
PIT	6	6	16	17	50	62	78	82	61	62	440
AI	0	0	0	1	0	0	0	0	0	0	1
%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.23%
Letters (84 Potentially Indexible)											
PIT	0	0	1	0	9	8	22	16	24	4	84
AI	0	0	0	0	0	0	0	0	1	0	1
%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	1.19%
Primary Literature (4 Potentially Indexible)											
PIT	2	0	0	0	0	0	0	1	1	0	4
AI	1	0	0	0	0	0	0	1	1	0	3
%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	100%	0.0%	75.00%

**Table 5.6.3.a. (continued):
SF&F Research Database: Indexing of Publication Types in *Extrapolation***

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 1,723 Potentially Indexible Items											
PIT	43	43	105	127	219	227	235	247	239	238	1,723
AI	22	20	68	98	137	131	116	128	134	156	1,010
%	51.2%	46.5%	64.8%	77.2%	62.6%	57.7%	49.4%	51.8%	56.1%	65.5%	58.62%
All 1,699 Potentially Indexible Items, <i>excluding</i> 24 Notes											
PIT	42	37	101	127	217	221	235	246	236	237	1,699
AI	22	20	68	98	137	131	116	128	134	156	1,010
%	52.4%	54.1%	67.3%	77.2%	63.1%	59.3%	49.4%	52.0%	56.8%	65.8%	59.45%
All 1,259 Potentially Indexible Items, <i>excluding</i> 24 Notes and 440 Reviews											
PIT	36	31	85	110	167	159	157	164	175	175	1,259
AI	22	20	68	97	137	131	116	128	134	156	1,009
%	61.1%	64.5%	80.0%	88.2%	82.0%	82.4%	73.9%	78.0%	76.6%	89.1%	80.14%
All 1,075 Potentially Indexible Items, <i>excluding</i> 184 Editorials, 24 Notes, and 440 Reviews											
PIT	26	21	74	97	146	138	137	143	155	138	1,075
AI	22	20	68	97	136	129	115	127	132	134	980
%	84.6%	95.2%	91.9%	100.0%	93.2%	93.5%	83.9%	88.8%	85.2%	97.1%	91.16%
All 991 Potentially Indexible Items, <i>excluding</i> 184 Editorials, 24 Notes, 84 Letters, & 440 Reviews											
PIT	26	21	73	97	137	130	115	127	131	134	991
AI	22	20	68	97	136	129	115	127	131	134	979
%	84.6%	95.2%	93.2%	100%	99.3%	99.2%	100%	100%	100%	100%	98.79%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

the 937 Articles, 932 are included (99.47%), with five other Articles inexplicably not indexed. Of the Bibliographies, 44 of 50 (88.00%) are included; of the six which are not indexed, one was a primary bibliography extracted from Claeson's dissertation (1956) and four were **Claeson's** bibliographies (one with Lauterbach) of critical secondary materials subsequently incorporated into his monographic bibliography *Science Fiction Criticism (1972)*. Hall may have considered it sufficient that the dissertation and the

book were included in the *SFFRDb*. The final unindexed Bibliography item was a special “list of seminal book-length works for the study of fantasy and the fantastic” in the “Special Fantasy Issue” (28.1 Spring 1987) in place of the regular reviews but under the “Books” rubric used for the regular review column.

As with *MLAIB* and *ABELL* none of the 24 Notes were included, and only 29 of the 184 Editorials (15.76%). While eight of these 29 Editorials were introductions to special issues or sections, other similar special issue or section editorials were not indexed; one was Hassler’s editorial obituary commemoration of his predecessor, Thomas D. Clareson, founder of the journal, and 20 were the specially solicited editorial pieces on the current state of scholarship in the field in celebration of *Extrapolation’s* 50th anniversary. Since the *SFFRDb’s* companion *SFFBRI* serves as an index to reviews, only 1 of the 440 Reviews (0.23%) is included in the *SFFRDb*, and that piece is more a report on the expansion of publishing series of reprints of early fictional works in the field than it is a review of any one of those series or their individual titles (17.2 May 1976). Only one of the 84 Letters (1.19%) was included, a Letter which was not indexed by either *MLAIB* or *ABELL*. Of the Primary Literature pieces, 3 of the 4 (75.00%) were included, excluding only the translation of a poem without any critical commentary. As with the previous indexes surveyed none of the 108 Calls for Papers, the 218 Advertisements, nor the 35 Indexes were included in the coverage provided by *SFFRDb*.

For the fifty-year period under review, *Extrapolation* published 2,221 items total, of which 1,723 were considered to be potentially indexible. Of these 1,723 items, 1,010 or 58.62% were indexed by the *Science Fiction and Fantasy Research Database*. The

976 Articles and Bibliographies indexed encompassed 98.89% out of the possible 987 items. Since only 1 item categorized as a Review was indexed by the *SFFRDb*, if one were to exclude the 440 Review items from the calculations as well as the 24 unindexed Notes, the 1,009 remaining indexible items would constitute 80.14.72% of the 1,259 potentially indexible non-Review, non-Notes items, out-indexing the *MLAIB*'s 66.80% excluding the Reviews and Notes, and *ABELL*'s 41.60% focusing only on the English language and literature topics. To facilitate comparisons with *MLAIB* and *ABELL* in particular, the table concludes with calculations of *SFFRDb* coverage excluding various combinations of Notes, Reviews, Editorials, and Letters.

The *Science Fiction and Fantasy Research Database* on the Texas A&M University Library server on 12 June 2015 was used for this dissertation.

The Sixth Database: The Science Fiction and Fantasy Book Review Index: Online Cumulated Edition (SFFDBRI) is an online index to book reviews which appeared in F&SF fiction magazines, selected fanzines, F&SF scholarly journals, and other selected sources. As noted above under the *Science Fiction and Fantasy Research Database*, the inspiration for the creation of the *SFFDBRI* came to an alert and energetic young academic librarian who realized that there was a gap in the available information resources due to a query from a student. As described by **Hall** it "flourished from its inception in 1969 with 'Trial Issue No. 0', published in a limited edition and sent to science fiction reviewers and writers with the question 'Is this worth doing?' Following a positive response, the first annual volume of SFBRI appeared in 1971, covering the reviews published in 1970. The annual volumes continued for 21

years, ceasing publication with the volume covering 1991” (**SFFBRI 2015**). The annual volumes through 1984 were cumulated by Hall with some additional retrospective indexing and published by G. K. Hall as *Science Fiction Book Review Index, 1923-1973 (1975)*, *Science Fiction Book Review Index, 1974-1979 (1981b)*, and *Science Fiction and Fantasy Book Review Index, 1980-1984 (1985)*. Eventually all of those individual annual volumes were digitized and initially “made accessible online through Texas A&M’s Institutional Repository” (**Potvin and Coker 2013: 56**) and later through Phil Stephensen-Payne’s *Galactic Central* website (**Hall 2015-2019**). The “online cumulated edition” was “made possible by the magical programming of Bill Contento” and went live in March 2015 with “systematic coverage for reviews from 1926 through 1991, and some coverage of later years, through 2010” (**SFFBRI 2015**).

The *Science Fiction and Fantasy Research Database* on the Texas A&M University Institutional Repository server on 15 August 2015 was used for this dissertation.

Extrapolation in the Database: Since *Extrapolation* did not publish any Reviews in its first issue, the *SFFBRI* began indexing them from the second issue (1.2 May 1960) through the Winter 1990 (31.4) issue, thus for the number of Reviews published during each quinary, the parenthetical number 17 in the column for the seventh quinary in the table represents the number of reviews published in *Extrapolation* during the last year covered by both the printed and online versions of the *SFFBRI* (Table 5.6.3.b. below). During its first 27 volumes, reviews were published under a number of section titles: “The Countdown”, “New Books”, “Reviews”, “Brief Mention”, “Books”, “Star Cluster”

Table 5.6.3.b.: <i>SF&F Book Review Index: Indexing of Publication Types in Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299	286	310	376	2221
Science Fiction & Fantasy Book Review Index: Indexed Items: 1.2-31.4 May 1960-Winter 1990											
Reviews (174 Potentially Indexible)											
PIT	6	6	16	17	50	62	78 (17)	82	61	62	440 (174)
AI	5	3	11	17	46	58	17				157
%	83.3%	50.0%	68.8%	100%	92.0%	93.5%	100%				90.23%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

(fiction reviews), until settling into “Reviews of Books” for non-fiction titles from 1987 through Spring 2003 (28.2-44.1), and then simply as “Reviews” from Summer 2003 (44.2). With the latest change of editors in the Winter 2007 issue (48.3) each review published in the “Reviews” column generally included a short individualized title in addition to the usual bibliographic information on the title under review.

Of the 86 issues published through Winter 1990, a total of 74 issues contained 174 review columns or individual reviews. Since some of the review sections contained only very brief mentions of a variety of new books or reprints, with little or no evaluative commentary worthy of the name ‘review’, only 157 of these reviews or columns are included in the *SFFBRI*'s coverage (90.23% of 174; 35.68% of all 440 Reviews). While none of the other indexes bests the 100.00% coverage of Reviews for the indexing period covered by *ASC*, *SFFBRI*'s coverage is comparable to that found in the *Web of Science* (378 of 408 Reviews; 92.65%), and a great deal better than that found in

ABELL (135 of 440 Reviews; 30.68%) even making allowances for the English language subject focus of that database.

5.6.4. Chronoscopes: Indexing Considered as a Helix of Semi-Precious Stones of Scholarship

When one compares the coverage of various publication types of items published in *Extrapolation* in these indexes (Tables 5.6.4.a. by Publication Types below; and 5.6.4.b. by Quinaries below) one finds that 1,579 items of all the 1,723 potentially indexible items (91.64%) were indexed in at least one and in as many as five of these six indexes, including all 937 Articles and all but one of the 50 Bibliographies. That lone, unindexed Bibliography was the previously mentioned special “list of seminal

Table 5.6.4.a.: Number of Items Indexed by Publication Types in <i>Extrapolation</i>										
	Total # Items	# Indexed	% Indexed	# Not Indexed	% Not Indexed	In 1 Index	In 2 Indexes	In 3 Indexes	In 4 Indexes	In 5 Indexes
Editorials	184	93	50.5%	91	49.5%	55	6	28	4	
Articles	937	937	100.0%			6	85	270	351	225
Notes	24			24	100.0%					
Biblios	50	49	98.0%	1	2.0%	5	8	21	13	2
Reviews	440	426	96.8%	14	3.2%	29	263	134		
Letters	84	71	84.5%	13	15.5%	59	11	1		
Primary Lit	4	3	75.0%	1	25.0%			2	1	
Totals	1,723	1,579		144		154	373	456	369	227
% of all 1,723 items			91.6%		8.4%	8.9%	21.6%	26.5%	21.4%	13.2%
% of 1,579 indexed items			100.0%			9.8%	23.6%	28.9%	23.4%	14.4%

book-length works for the study of fantasy and the fantastic” published in the “Special Fantasy Issue” (28.1 Spring 1987) in place of the regular book reviews but under the “Books” rubric used for the regular book review column; it was, however, definitely a short bibliography and was not by any definition a review of these works, hence its classification as a Bibliography and not as a Review. The Reviews were also particularly well covered by the chosen indexes, with only 14 of the 440 items (3.18%) lacking any representation in the six indexes and with 396 (90.00%) included in two or three indexes.

While the 84 Letters constitute only a small portion of all items published in *Extrapolation*, the majority of them (71; 84.52%) were indexed at least once. The four Primary Literature items were an even smaller portion of the items published in *Extrapolation*, but two of them were indexed in three indexes, and one item in four, leaving only the translation of a poem from the German without any critical apparatus as an unindexed item. Scarcely half of the 184 Editorials were indexed; the majority of the unindexed Editorials were Clareson and Hassler’s casual or discursive introductory remarks which may explain the lack of indexing since these would have been difficult to characterize with any traditional subject indexing vocabulary term other than a non-informative ‘editorial’ description. That none of the 24 Notes were indexed in these six indexes did not come as a surprise to this researcher as they were generally brief items, lacked any bibliographic apparatus or other hallmark of Article-ness, and as announcements, reminders, or requests for the assistance of the reader were essentially ephemeral; it was necessary, in the interests of both completeness and curiosity to determine if any indexer considered any of them of importance whatsoever.

Table 5.6.4.b.:
Summary of Indexing of Publication Types in *Extrapolation*

Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
Number of all 2,221 publication types published in each 5 volumes:											
	44	45	114	161	311	275	299	286	310	376	2221
items Indexed in One or More Indexes: 1.1-50.3 December 1959-Fall 2009											
Editorials (184 Potentially Indexible) Indexed in One or More Indexes											
PIT	10	10	11	13	21	21	20	21	20	37	184
AI	0	0	0	1	6	8	13	19	15	31	94 (93)
%	0.0%	0.0%	0.0%	7.7%	28.6%	38.1%	65.0%	90.5%	75.0%	83.8%	50.54%
Articles (937 Potentially Indexible) Indexed in One or More Indexes											
PIT	15	18	69	85	128	123	113	125	127	134	937
AI	15	18	69	85	128	123	113	125	127	134	937
%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.00%
Notes (24 Potentially Indexible) Indexed in One or More Indexes											
PIT	1	6	4	0	2	6	0	1	3	1	24
AI	0	0	0	0	0	0	0	0	0	0	0
%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%
Bibliographies (50 Potentially Indexible) Indexed in One or More Indexes											
PIT	9	3	4	12	9	7	2	1	3	0	50
AI	9	3	4	12	9	6	2	1	3	0	49
%	100%	100%	100%	100%	100%	86%	100%	100%	100%	0.0%	98.00%
Reviews (440 Potentially Indexible) Indexed in One or More Indexes											
PIT	6	6	16	17	50	62	78	82	61	62	440
AI	5	3	12	17	46	60	78	82	61	62	426
%	83.3%	50.0%	75.0%	100%	92.0%	96.8%	100%	100%	100%	100%	96.82%
Letters (84 Potentially Indexible) Indexed in One or More Indexes											
PIT	0	0	1	0	9	8	22	16	24	4	84
AI	0	0	0	0	7	6	15	16	23	4	71
%	0.0%	0.0%	0.0%	0.0%	77.8%	75.0%	68.2%	100%	95.8%	100%	84.52%
Primary Literature (4 Potentially Indexible) Indexed in One or More Indexes											
PIT	2	0	0	0	0	0	0	1	1	0	4
AI	1	0	0	0	0	0	0	1	1	0	3
%	50.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100%	100%	0.0%	75.00%

Table 5.6.4.b. (continued): Summary of Indexing of Publication Types in <i>Extrapolation</i>											
Vol	1-5	6-10	11-15	16-20	21-25	26-30	21-35	36-40	41-45	46-50	1--50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/2009
All 1,723 Potentially Indexible Items											
PIT	43	43	105	127	219	227	235	247	239	238	1,723
AI	30	24	85	115	196	203	221	244	230	231	1,579
%	69.8%	55.8%	81.0%	90.6%	89.5%	89.4%	94.0%	98.8%	96.2%	97.1%	91.64%
All 1,699 Potentially Indexible Items, <i>excluding</i> 24 Notes											
PIT	42	37	101	127	217	221	235	246	236	237	1,699
AI	30	24	85	115	196	203	221	244	230	231	1,579
%	71.4%	64.9%	84.2%	90.6%	90.3%	91.9%	94.0%	99.2%	97.5%	97.5%	92.94%
PIT=Potentially Indexible Total (for publication type); AI=Actually Indexed; %=AI/PIT											

When considering *Extrapolation's* indexing coverage quinary-by-quinary (Table 5.6.4.b. above) it is heartening that for the majority of the quinaries nine-tenths of the potentially indexible items (or nearly so) were indeed indexed at least once. For *Extrapolation's* first decade and a half only the *MLAIB* and the *SFFRDb* covered items in all thirty issues, and *ABELL* covered twenty-eight of them, with the *SFFRBI* helping out with the Reviews, which helps explain the lower figures for this period. Had *Academic Search Complete* been given more chronological depth by Ebsco, or had the *Arts & Humanities Citation Index* portion of *Web of Science* been started earlier or been given the retrospective treatment of its *Science Citation Index* and *Social Science Citation Index* siblings all of the indexing numbers probably would have been higher in each quinary.

The 1,579 indexed items were indexed 4,882 times in the six chosen indexes, for a mean of 3.09 index entries per indexed item. Only 144 of the 1,723 potentially

indexible items (8.36%) were not indexed, or, considered another way, only 120 of the 1,699 non-Notes items (7.06%) remain unindexed, at least in these six major indexes; thus, a great majority of the likely to be sought items were indexed. Of the 154 items included in but a single index, 32 of them (4 of 6 Articles, 3 of 5 Bibliographies, 25 of 29 Reviews) were included only in one of the two F&SF-oriented indexes; these non-commercial indexes are less likely to be included in lists of recommended databases on academic library websites, thus these few indexed items (2.03% of 1,579 items) might also be ones less likely to come to the attention of a questing researcher.

5.7. Generation Starships: Conclusion

From the modest little stapled 20 page first issue, with its editor hoping that its publication would assist with the continuance of the fledgling Seminar in SF, to the 158th issue which completed its fiftieth year, *Extrapolation* has fulfilled its first editorial promise that it would “provide a continuing and unifying publication in which those interested in the genre may . . . publish articles on both past and present science-fiction” **(Lauterbach and Claeson 1959: 1)**, as well as other types of publications, and the journal and its newest editors five decades on strive to continue fulfilling that promise. The remarkable stability of the editorial heads of the journal assisted by the recent expansion of the number of editors and, over the long term, by the slowly evolving editorial board advising them are a testament to the convictions, the passions and the tenacity of those who contributed to the growth of the journal and that of its cohorts in the development of the field of fantasy and science fiction studies.

As the fantasy and science fiction genre continue to grow and evolve, so too does the scholarship published in *Extrapolation*, as will be partially seen later in this dissertation (Chapter 7), and as well as in the pages of the expanding list of *Extrapolation*'s friendly sibling-rival scholarly publications. *Extrapolation*, and its contributors, continues to play an important role in the structure of the Unseen University of Fantasy & Science Fiction Studies.

CHAPTER 6:
SAPIENTS, SENTIENTS, AND SOPHONTS:
THE NATURE OF THE SCHOLARS

6.1. *The Scholars: The Questions*

Question B. The Scholars and Their Publications: Who are the scholars who have published in *Extrapolation*, as revealed by their institutional affiliations, geographic locations, academic disciplines or occupations, gender, and any awards won for their F&SF scholarship?

The purpose of Question B is to describe the scholars who contributed to *Extrapolation* and, by extension, to the development of F&SF scholarship more generally, to identify the institutions and disciplines from which they came, and to survey the different types of documents they published in *Extrapolation* in its first fifty years of publication from 1959 through 2009. The nature of this portion of the collectivity of F&SF scholars, such as gender or institutional status, will help to describe the unseen university of F&SF scholars.

This main question engenders the following more specific sub-questions:

B.01. What is the *gender* of these scholars?

B.02. What proportion of the source documents are *co-authored*?

B.03. Where are the scholar-authors *located geographically* and with what *types of institutions* are they affiliated?

- B.04. What is the *institutional status* of these scholars (professorial ranks, librarians, adjuncts, graduate students, independent scholars)?
- B.05. What is the *departmental subject, or disciplinary, affiliation* of these scholars?
- B.06. What *awards* have these scholars won for their F&SF scholarship and other contributions to the field?
- B.07. What is the *Lotka distribution* of scholars who have contributed the source documents? Which scholars under study are the *most frequently published* in *Extrapolation*?

Information Resources Used: There were a total of 786 individual scholar-authors, bibliographers, and reviewers of the 1,711 items in *Extrapolation* with identifiable or attributable authorship out of the total of 2,221 items published in its first fifty years. Initially, information about these individuals came from within the journal. Their geographical location and/or institutional affiliation often was published at the end of an item in the first thirteen volumes, though this was not consistently provided. Beginning with December 1972 (14.1) each issue contained a Contributors section which often indicated for these individuals their institutional affiliation(s), and sometimes their institutional status, rank, or role, and their departmental or disciplinary affiliation(s) or teaching subject area(s) as well. As for the sometimes socially fraught issue of gender, some Contributors descriptions would refer helpfully to “she/her” or “he/his”, though many of these entries were silent on this issue. In later years, if a scholar-author had received an F&SF scholarly award that distinction might be mentioned.

Prior to the transfer of publication to Kent State University Press with volume 20, the Contributors section often included information about reviewers, but subsequent volumes focused on Article or Bibliography authors and Guest Editors and excluded reviewers from the Contributors section unless the individual was coincidentally also the author of an Article or a Bibliography item within the same issue. Likewise, even when the primary Editors Clareson, Hassler, or Martínez contributed a non-editorial item, they were not listed in the Contributors section, since their institutional affiliation information, though not their faculty status, was listed in the masthead during their respective editorial tenures. Thus, the Contributors section, while useful, did not consistently provide all of the desired affiliational, status, or the departmental and/or disciplinary information needed to completely describe these attributes of all the named contributors at the time of their publication(s) as has been noted by previous studies.

The necessary data, when provided within the journal, was added to the appropriate cells of the data capture files at the point of first data entry, otherwise the indicator “n.g.” [not given] was entered. Then research commenced to turn the not given unknown into the discovered known whenever possible. If a contributor had authored another item previously or later within *Extrapolation* for which the needed information was provided, that could provide a starting point for research on that person. The scholar-authors, bibliographers, and reviewers and their respective backgrounds were researched using a combination of methods each of which might yield an informational crumb or two. Among the resources used were the online *Contemporary Authors* database from Gale via UCLA and the online *Directory of American Scholars* for 2002 via CSULB; the contributors sections in other journals or in scholarly

anthologies of the same or immediately preceding and succeeding year(s) to the year of the *Extrapolation* publication(s); the institutional faculty profiles or posted curriculum vitae; the biographical sketch or vita sometimes present in a dissertation when available online; as well as blogs and other online venues were all useful, though the search sometimes proved a bit tedious and not always fruitful. A number of institutions provide little or no online information about their faculty members aside from their department, email address, office location, and/or phone number. If a scholar's institutional affiliation was given or could be determined for the year of publication of an item, the geographical location (state, province, country) then could be determined. Some individuals gave geographically divided locations, e.g., a visiting or retired professor at one institution, affiliated with another or perhaps living elsewhere would be identified locationally or institutionally for both elements on the data capture form, and, for the geographic location only a 0.50/0.50 share of the individual was apportioned, though institutional affiliations each were given whole credit since one may have multiple affiliations but be physically located only in one place at a time. Gender was determined by research whenever possible, and occasionally by using resources which assign a gender to particular personal names, e.g., John is generally a male, Mary female. For those individuals with whom I was not personally acquainted, photographs on institutional websites were sometimes useful for ascribing gender to those individuals with gender-neutral or otherwise problematic given names; see **Blevins & Mullen 2015** for another way of potentially resolving what they call the "Leslie Problem". As a last resort, an appeal to the knowledge of the reader-contributors to the SFRA-L and IAFA-L email lists for at least the known or probable gender of the final baker's dozen of

individuals was made, with the result that the known or apparent gender of all but one author of two reviews was determined, along with a few more affiliations. The bestowal of future F&SF scholarly awards could not, of course, have been anticipated in the Contributors sections, save in a world where time-travel is real, and the awards information thus was added for each entry for a scholar-author or reviewer as appropriate from the information found on the websites of the award-bestowing organizations (see Appendix B). For some individuals, particularly reviewers, some details of their affiliations, status, and/or departmental or disciplinary relationships at the time(s) of their publication(s) in *Extrapolation*, were not forthcoming even after diligent research, thus remains as 'not given' or unknown in the data.

Scholar-Author Summary: Auctorial responsibility was not determined nor analyzed for three of the ten types of publication categories: the Calls for Papers (108 items), the Advertisements (218), and the Indexes (35), even though the CfPs had individual or organizational contacts noted, and the Advertisements indicated the publisher or other entity responsible for the item(s) advertised. The other seven publication type categories included 1,860 items; of these 1,860 items, there were 1,711 items identified with 786 named or attributable individuals (77.0% of all 2,221 items; 92.0% of the 1,860). The remaining 149 items were unattributed as to authorship, including the 132 Contributors sections and four of the five other minor items included in the Editorial Materials category, as well as 13 of the 24 Notes. A solo individual was named or determined as author for 1,655 items (74.5% of all 2,221 items; 89.0% of the 1,860 items in the seven publication types under consideration; 96.7% of 1,711 items

with an author), and two, three, or five co-authors bylined the remaining 56 items, or 3.3% of the 1,711 author-ascribed items. For most of these items, the name of the responsible individual(s) was given as a traditional byline in the journal. In a few cases, the individual responsible was not directly noted by name but was determined by internal evidence in the journal or the journal's common practice, as, for example, the groups of "Brief Reviews" which were usually identified as written by "T.D.C." (Editor Thomas D. Clareson) but which occasionally lacked his initials, probably through typing or typesetting oversight. Details on these auctorial responsibilities are given in the responses to the sub-questions below.

6.2. *The Female Man: The Gendered and Co-Authoring Scholar*

B.01. *What is the gender of these scholars?*

B.02. *What percent of the source documents are co-authored?*

While acknowledging the potentially problematic nature of using the Female-Male (or Man-Woman) gender binary as one of the descriptors for individual members of the group of F&SF scholars who published in *Extrapolation*, the use of gender in some previous bibliometric studies to discuss one of the differences between various fields or sub-fields or changes in scholarship over time was more interesting to consider than was the wish to avoid the potential for conflict or confrontation. Since at least the end of World War II, the academy has played a role in the discussions, disagreements, demands, disputes, demonstrations, and changes big and small continuing to be wrought by various social upheavals in the Western world, among them the roles of women and the non-traditionally gendered in the academy. While there were 149 anonymous items out of the 1,860 items, there were 786 individuals given or assigned authorship of 1,711 Article, Bibliography, Editorial, Letter, Note, Primary Literature, or Review items in *Extrapolation*; most were eventually assigned to either the Female (272 individuals; 34.61%) or the Male (513; 65.27%) category with only one gender unassigned reviewer of two Review items (M. R. Kelly; 0.13% of 786 individuals). No one was identified as non-traditionally gendered. While most of these items have a single individual as author (1,655; 96.73%), a small subgroup of 56 items (3.27%) were identified as being co-authored by two, three, or five individuals either in single gender

or mixed gender groupings (Table 6.2.a. below), thus it seemed appropriate for the issues of gender and co-authorship to be considered together in this section.

Table 6.2.a.: Summary: Scholars' Gender and Authorship		
Gender Composition of Authorship	# items	% of 1,711 items with author
Single Authorship		
Solos	1,655	96.73%
Female Only	391	22.85%
Male Only	1,262	73.76%
Unknown Gender	2	0.12%
Co-Authorships		
Duos	51	2.98%
2 Females	5	0.29%
2 Males	24	1.40%
1 Female; 1 Male	22	1.29%
Trios	3	0.18%
3 Males	1	0.06%
1 Female; 2 Males	2	0.12%
Quintets	2	0.12%
5 Males	2	0.12%

Nearly three-quarters of the 1,655 solo-authored items were written by a single Male scholar-author, bibliographer, or reviewer with the remainder written by a single Female scholar, or by the gender unassigned M. R. Kelly in the eighth quinary. While the first quinary (December 1959-May 1964) had the lowest proportion of solo authorship at 88.37% (see Table 6.2.b. below), solo authorship in the other nine varied somewhat between 93.27% (Q3: 1969-1974) and 98.72% (Q7: 1990-1994). Beginning

**Table 6.2.b.:
Scholars' Authorship & Gender Distribution for Seven Publication Types, By Quinaries, 1959-2009**

Volumes	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	1-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/09
All Items	43	43	109	140	241	248	255	267	260	254	1,860
149 Anonymous Items & 2 items (†) with Author Gender not discoverable											
		4	5	13	22	24	20	22 (†)	24	17	151
% All Items		9.30%	4.59%	9.29%	9.13%	9.68%	7.84%	8.24%	9.23%	6.69%	8.12%
All Attributed Author (AA) Items	43	39	104	127	219	224	235	245	236	237	1,709
Male Authorship Only											
1 Male	38	33	81	93	163	171	180	184	165	154	1,262
% of AA Quinary	88.37%	84.62%	77.88%	73.23%	74.73%	76.34%	76.60%	75.10%	69.92%	64.98%	73.74%
% Male	88.37%	97.06%	95.29%	94.90%	97.02%	98.84%	99.45%	99.46%	99.40%	98.72%	97.91%
2 Males	5		3	5	5	1	1	1	1	2	24
% of AA Quinary	11.63%		2.88%	3.94%	2.28%	0.45%	0.43%	0.41%	0.42%	0.84%	1.40%
% Male	11.63%		3.53%	5.10%	2.98%	0.58%	0.55%	0.54%	0.60%	1.28%	1.86%
3 Males			1								1
% of AA Quinary			0.96%								0.06%
% Male			1.18%								0.08%
5 Males		1				1					2
% of AA Quinary		2.56%				0.45%					0.12%
% Male		2.94%				0.58%					0.16%
# Male Items	43	34	85	98	168	173	181	185	166	156	1,289

**Table 6.2.b. (continued):
Scholars' Authorship & Gender Distribution for Seven Publication Types, By Quinaries, 1959-2009**

Volumes	1-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	1-50
Date	1959/64	1964/69	1969/74	1974/79	1980/84	1985/89	1990/94	1995/99	2000/04	2005/09	1959/09
Female Authorship Only											
1 Female		4	16	28	44	49	52	56	66	76	391
% of AA Quinary		10.26%	15.38%	22.05%	20.09%	21.88%	22.13%	22.86%	27.97%	32.07%	22.88%
% Female		100.00%	94.12%	100.00%	100.00%	100.00%	98.11%	100.00%	98.51%	97.44%	98.74%
2 Females			1				1		1	2	5
% of AA Quinary			0.96%				0.43%		0.42%	0.84%	0.29%
% Female			5.88%				1.89%		1.49%	2.56%	1.26%
# Female Items	0	4	17	28	44	49	53	56	67	78	396
Mixed Gender Authorship											
1 M & 1 F		1	2		4	1	1	4	2	1	16
% of AA Quinary		2.56%	1.92%		1.83%	0.45%	0.43%	1.63%	0.85%	0.42%	0.94%
% Mixed		100.00%	100.00%		57.14%	50.00%	100.00%	100.00%	66.67%	33.33%	66.67%
1 F & 1 M				1	2	1			1	1	6
% of AA Quinary				0.79%	0.91%	0.45%			0.42%	0.42%	0.35%
% Mixed				100.00%	28.57%	50.00%			33.33%	33.33%	25.00%
1 M, 1 F, 1 M										1	1
% of AA Quinary										0.42%	0.06%
% Mixed										33.33%	4.17%
2 M & 1 F					1						1
% of AA Quinary					0.46%						0.06%
% Mixed					14.29%						4.17%
# Mixed Items	0	1	2	1	7	2	1	4	3	3	24

Note: Seven Publication Types: All Articles, Bibliographies, Editorial Materials, Letters, Notes, Primary Literature, Reviews.

with the very first editorial by Clareson and Lauterbach, co-authorship is found in all quinaries, from a low of two items in Q2 (1964-1969) to a high of 12 in Q5 (1980-1984), with a mean of 5.6 and a median of 5 co-authored items per quinary over the five decades. The 56 co-authored items display a variety of gender configurations. The 29 single gender duos out-numbered the 22 mixed gender pairs. Of the Mixed Gender duos, the Male-Female name ordering was more common (16) than the Female-Male (6) order, while the two Mixed Gender trios had a Male-Male-Female name order and a Male-Female-Male one.

While the first quinary (1959-1964) lacked any identifiable Female or Mixed Gender (co-)authorship(s), the first volume of the second quinary included the first two Female authors, a Bibliography item devoted to Aldous Huxley co-authored by the Mixed Gender pair of Editor **Clareson** and Carolyn S. **Andrews** (affiliation and status unknown, though possibly a student of his at Wooster; 6.1 December **1964**), and a Note by a Female doctoral student in Kentucky, **Carolyn Meyers** (later, **Carolyn Hodgson Rhodes**) requesting information on behalf of her then in-progress dissertation (6.2 May **1965**). This second quinary also included a two-part Article by the American professional author and editor Judith **Merril** (7.2-8.1 May and December **1966**), and another Note written by Katherine **Ettla** of the University of Wisconsin, Milwaukee, about the forthcoming Secondary Universe Conference (9.2 May **1968**). From this second quinary with 10.26% Female authorship, the Female only solo or co-authors of all items in *Extrapolation* rose to and maintained a fairly steady proportion of just over one-fifth during the period of the fourth through the eighth quinaries (December 1974-Winter 1999), then rose again to 28.39% in the ninth (2000-2004), and finally to a high

of 32.91% in the final quinary (2005-2009). The 2.56% proportion of Mixed Gender co-authorships in the second quinary was bested only in the fifth (1980-1984) with its 3.20% (7 items), the other quinaries having proportions of 0.43%-1.62% Mixed Gender co-authorships. Further analysis of authorship frequency distributions is found below in section 6.5. (Question B.07).

One might also look at gender as related to solo and co-authorship of the various publication types (see Table 6.2.c. below; also, Appendix D for a list of all items published in *Extrapolation*). Over the half-century under consideration, the proportion of Female authorship (solo or duo) of Articles was generally less than one-third, but there was a slow and uneven rise from the initial 11.11% in the second quinary (1964-1969) to the 38.06% Female Article authorship of the final five years (2005-2009). While the predominance of Male authorship of the signed Editorial Materials items (90.81%) shown is not unexpected due to the primarily masculine character of the editorial leadership of *Extrapolation* until the last two volumes of the fifty under study, the 86.0% Male author- or co-authorship of the small Bibliographies category (50 items) was intriguing. Even taking into account that 12 of these 50 items were part of a series of "Year's Scholarship" bibliographies, with Marshall Tymn solo (6 items) or with his initial co-bibliographer Roger Schlobin (6 items) in the lead role, 31 of the remaining 38 items (81.58%) are still authored by Male (co-)author(s) only, leading one to wonder, without any further research as a basis, if there might be something about bibliographies or other list-making activities that particularly appeals to Male scholars. The relatively high proportion (20.00%) of co-authorship of Bibliographies, on the other hand, is hardly surprising given the often time-consuming nature of bibliographical enterprises.

Table 6.2.c: Scholars' Gender & Authorship By Publication Type, 1959-2009		
Authorship	# items	% of Publication Type
Articles: 937 Articles		
Female author(s) only	283	30.2% of 937
Male author(s) only	639	68.2%
Mixed Gender combos	15	1.6%
Total Co-Authored items	27	2.9%
Bibliographies: 50 Bibliographies		
Female author(s) only	5	10.0% of 50
Male author(s) only	43	86.0%
Mixed Gender combos	2	4.0%
Total Co-Authored items	10	20.0%
Editorial Materials: 321 Editorial Materials (185 signed)		
Female author(s) only	14	4.4% (all); 7.6% (signed)
Male author(s) only	168	52.3% (all); 90.8% (signed)
Mixed Gender combos	3	0.9% (signed); 1.6% (all)
No author (Anonymous)	136	42.4% of all 321 items
Total Co-Authored items	11	3.4% (all); 5.9% (signed)
Letters: 84 Letters		
Female author(s) only	19	22.6% of 84
Male author(s) only	63	75.0%
Mixed Gender combos	2	2.4%
Total Co-Authored items	3	3.6%
Notes: 24 Notes (11 signed)		
Female author(s) only	4	16.7% (all); 36.4% (signed)
Male author(s) only	7	29.2% (all); 63.6% (signed)
Mixed Gender combos		
No author (Anonymous)	13	54.2% of all 24 items
Total Co-Authored items	2	8.3% (all); 18.2% (signed)
Primary Literature: 4 Primary Literature		
Female author(s) only	2	50.0% of 4
Male author(s) only	2	50.0%
Mixed Gender combos		
Total Co-Authored items		

Table 6.2.c. (continued): Scholars' Gender & Authorship By Publication Type, 1959-2009		
Reviews: 440 Reviews		
Female author(s) only	69	15.7% of 440
Male author(s) only	367	83.4%
Mixed Gender combos	2	0.5%
Unknown Gender author	2	0.5%
Total Co-Authored items	3	0.7%

Reviews, too, skew heavily Male with 83.41% authorship, though the Reviews by Editors Claeson (81) and Hassler (49) had a significant influence on this figure. If one were to remove these 130 Editor-authored Reviews from the mix, the remaining 237 Male authored Reviews still would constitute 76.45% of the remaining Reviews while the proportion of Female authored Reviews would rise to 22.26% and the two Mixed Gender and the two Unknown Gender authored Reviews would rise slightly in proportion to 0.65% each. Authorship of the published Letters also skews heavily Male at 75.00%, though with these it is difficult to know whether this is a reflection of the proportion of Male authored letters of comment received by the journal or if it is an unconscious expression of editorial gender bias in the selection of letters to publish.

6.3. Uncharted Territory: The Situated Scholar

B.03. Where are the scholar-authors located geographically and with what types of institutions are they affiliated?

B.04. What is the institutional status of these scholars (professorial ranks, librarians, adjuncts, graduate students, independent scholars)?

B.05. What is the departmental subject, or disciplinary, affiliation of these scholars?

Scholar-authors, bibliographers, and reviewers in *Extrapolation* are situated in a variety of geographical and institutional domains. They live and work in various nations of Terra and are affiliated with different educational institutions and other organizations. Since some individuals over their careers may be affiliated with multiple institutions or locations either simultaneously or sequentially, these analyses are based on the locations and affiliations at the time of publication by the 786 individuals who authored or co-authored the 1,711 items with a total of 1,776 known or ascribed authorships.

6.3.1. City: The Geographical Scholar

Of the 1,776 identifiable occurrences of authorship or co-authorship, 1,713 could be identified with at least a country, and in some instances with two locations as when an individual was temporarily affiliated with an institution in another country while a visiting scholar or graduate student or was living in a country other than that of the institution with which he or she was institutionally affiliated. The same bi-locational state of affairs occurred in the rare situation when an individual simultaneously was identified

with institutions which happen to be located in two states of the United States, as with two individuals who were affiliated with Massachusetts institutions and also with a second institution in Rhode Island in one case and in New Hampshire in the other. In these infrequent bi-locational instances, each country or state was accorded half of a geographical occurrence (0.5/0.5) since an individual may occupy only one physical location at a time so far as we know in this present space-time continuum while still having multiple institutional or organizational affiliations.

As seen in Table 6.3.1. (below), the 1,713 occurrences which could be located geographically constituted 96.45% of the 1,776 authorships, with the remaining 63 instances (3.55%) geographically undiscovered. The United States represented more than four-fifths of all known or discovered geographical locations. Individuals in Canada and the whole of Europe constituted another 5.88% and 6.53% of locations respectively, with Australia and New Zealand, Asia, and South America and the Caribbean together contributing less than 2.0% of the total. No scholar-authors or reviewers were associated with any of the countries of Africa.

Most individuals with a locational assignment were determined to be located in specific states, provinces, or countries, while in a few instances some individuals could only be geographically assigned to the United States in general. Of the fifty United States only Mississippi and North Dakota lacked any known F&SF scholarly, bibliographical, editorial, or reviewing authors in the first 50 years of *Extrapolation's* existence. The outsized representation of Ohio with 486.5 geographical occurrences in *Extrapolation* authorship is due primarily, though not exclusively, to Editors Claeson (volumes 1-30) and Hassler (volumes 31-48) who contributed 75 and 56 Editorials and

**Table 6.3.1.:
Scholars' Geographic Distribution of Known Authorship for Seven Publication Types**

Code	Geographic Location	Occurrences	% Total
	World Total=Known + Unknown	1,776.0	100.00%
	Location Known	1,713.0	96.45%
	Location Unknown	63.0	3.55%
	NORTH AMERICA	1,565.0	88.12%
US-Total	United States	1,460.5	82.24%
US-NEC	United States-NEC	26.5	
US-AL	Alabama	6.0	
US-AK	Alaska	3.0	
US-AZ	Arizona	4.0	
US-AR	Arkansas	5.0	
US-CA	California	112.0	
US-CO	Colorado	14.0	
US-CT	Connecticut	5.0	
US-DE	Delaware	2.0	
US-DC	District of Columbia	20.5	
US-FL	Florida	20.0	
US-GA	Georgia	19.0	
US-HI	Hawai'i	5.0	
US-ID	Idaho	5.0	
US-IL	Illinois	49.0	
US-IN	Indiana	43.5	
US-IA	Iowa	17.0	
US-KS	Kansas	22.0	
US-KY	Kentucky	6.0	
US-LA	Louisiana	40.0	
US-ME	Maine	7.0	
US-MD	Maryland	9.0	
US-MA	Massachusetts	19.5	
US-MI	Michigan	72.5	
US-MN	Minnesota	16.0	
US-MS	Mississippi		
US-MO	Missouri	23.0	
US-MT	Montana	3.0	
US-NE	Nebraska	5.0	
US-NV	Nevada	2.0	

US-NH	New Hampshire	3.5	
US-NJ	New Jersey	16.5	
US-NM	New Mexico	11.0	
US-NY	New York	89.0	
US-NC	North Carolina	14.5	
US-ND	North Dakota		
US-OH	Ohio	486.5	
US-OK	Oklahoma	3.0	
US-OR	Oregon	14.0	
US-PA	Pennsylvania	47.0	
US-RI	Rhode Island	4.5	
US-SC	South Carolina	11.0	
US-SD	South Dakota	4.0	
US-TN	Tennessee	7.0	
US-TX	Texas	86.0	
US-UT	Utah	1.0	
US-VT	Vermont	4.0	
US-VA	Virginia	18.5	
US-WA	Washington	12.0	
US-WV	West Virginia	1.0	
US-WI	Wisconsin	42.0	
US-WY	Wyoming	3.0	
CA-Total	Canada	104.5	5.88%
CA-NEC	Canada-NEC		
CA-AB	Alberta	11.0	
CA-BC	British Columbia	4.0	
CA-MB	Manitoba	1.0	
CA-NB	New Brunswick	1.0	
CA-NL	Newfoundland & Labrador		
CA-NT	Northwest Territories		
CA-NS	Nova Scotia	12.5	
CA-NU	Nunavut		
CA-ON	Ontario	47.5	
CA-PEI	Prince Edward Island		
CA-PQ	Quebec	23.5	
CA-SK	Saskatchewan	4.0	
CA-YT	Yukon		

Table 6.3.1. (continued): Geographic Distribution of Known Authorship for Seven Publication Types			
CSAC-Total	Central & South America & Caribbean	4.5	0.25%
CSAC-NEC	Central & South America & Caribbean-NEC		
BR	Brazil	2.0	
JM	Jamaica	0.5	
PR	Puerto Rico	2.0	
EU-Total	Europe	117.0	6.59%
EU-NEC	Europe-NEC		
AT	Austria	3.5	
CY	Cyprus	1.0	
CZ	Czechoslovakia / Czech Republic	2.0	
DE	Germany / West Germany	4.5	
DK	Denmark	3.0	
EI	Eire / Ireland	0.5	
FI	Finland	1.0	
FR	France	2.0	
HU	Hungary	2.5	
IT	Italy	6.0	
PL	Poland	2.0	
RU	Russia / USSR	1.0	
ES	Spain	2.0	
SE	Sweden	2.0	
UK-EN	United Kingdom: England	69.0	
UK-NI	United Kingdom: Northern Ireland		
UK-SC	United Kingdom: Scotland	11.0	
UK-WA	United Kingdom: Wales	3.0	
YU	Yugoslavia	1.0	
AS-Total	Asia	4.0	0.23%
AS-NEC	Asia-NEC		
CN	China	1.0	
JP	Japan	1.0	
LK	Sri Lanka	1.0	
TW	Taiwan	1.0	
AF-Total	Africa-NEC	0.0	0.00%
AF-NEC	Africa-NEC		

Table 6.3.1. (continued): Geographic Distribution of Known Authorship for Seven Publication Types			
OC-Total	Oceania	22.5	1.27%
OC	Oceania-NEC		
AU-NEC	Australia-NEC		
AU-ACT	Australian Capital Territory		
AU-NSW	New South Wales	4.5	
AU-NT	Northern Territory		
AU-QLD	Queensland	7.0	
AU-SA	South Australia		
AU-TAS	Tasmania		
AU-VIC	Victoria	7.0	
AU-WA	Western Australia	2.0	
NZ	New Zealand	2.0	
Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440)			

81 and 49 Reviews respectively in addition to their other 25 and 16 contributions. Even exclusion of their 261 Editorials and Reviews would still leave Ohio as the geographical (or gravitational) center of *Extrapolation* author- and reviewer-ship with 225.5 occurrences, a scant 1.5 occurrences more than twice California's second place at 112 contributions, more than twice Canada's total of 104.5, and nearly double the 117 occurrences from all of Europe. The third-fifth places in a Top Ten list of scholarly authorial locations were also American states: New York (89), Texas (86) and Michigan (72.5). England, in sixth position, with 69 geographical occurrences led Europe's 19 countries and far outstripped European second place Scotland with its 11 occurrences, though were one to combine all of the United Kingdom, those 83 occurrences would move the UK as a whole to fifth position. Illinois (49) precedes eighth place Ontario (47.5) which led the eight Canadian provinces or territories which had representation.

Pennsylvania (47) and Indiana (43.5) completed the Top 10 identifiable locations of *Extrapolation's* scholar-authors, bibliographers, and reviewers.

6.3.2. Way Station: The Institutional Scholar

Generally, the geographical location assigned to an individual (Section 6.3.1.) was connected with the academic institution or other organization with which that individual was named as affiliated at the time of their *Extrapolation* publication(s) although an institutional or organizational affiliation was not needed for someone to be geographically located (Table 6.3.2.a. below for Institutional Distribution Summary; Appendix E for a complete list of institutions). Over the fifty year period under review, some institutions changed names, colleges became universities or were renamed when they were gathered together under a state university system umbrella. The publication occurrences of an institution under older or newer names have been collocated, e.g., The University of Chester was originally Chester College of Higher Education from each of which name a contribution was made. The merger of two institutions to form a nomenclatural third occurred with the merger of Montréal's Loyola College and Sir George Williams University, each with a single contribution, to form Concordia University, with another 12 contributions; this is the only instance of merging of institutions on the list uncovered while researching the complete list of contributing institutions, and these 14 contributions are thus all attributed to Concordia. These academic institutions constitute a wide variety from publics to privates, comprehensive research intensive to liberal arts, two- and four-year institutions, as well as several secondary schools and non-tertiary libraries. Some of the scholars and reviewers were

Table 6.3.2.a.:			
Summary: Scholars' Institutional Distribution for Seven Publication Types, 1959-2009			
# Institutions	Institution Types	# Published Items	# Individuals Responsible
WORLD TOTALS			
	No institution or exact location given	63	47
	Resident or Citizen (no institution) of known location; OR, retired from institution elsewhere	156	82
399 Institutions	College or University	1,473	620
26 Institutions	Community or Junior College	65	27
21 Institutions	K-12, non-HE Lib, & Other Educ'l Instn	28	21
33 Institutions	Non-Educational Institution	45	33
Location Unknown			
	No location or institution given or discovered	63	47
United States: 48 States			
	Resident or Citizen with no institutional affiliation and specific state location unknown	27	10
	Resident or Citizen of known state with no institutional affiliation; OR, retired here from institution elsewhere	79	51
319 Institutions	College or University	1,255	518
24 Institutions	Community or Junior College	62	24
16 Institutions	K-12, non-HE Lib, & Other Educ'l Instn	23	16
28 Institutions	Non-Educational Institution	40	28
Canada: 8 Provinces			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	3	3
26 Institutions	College or University	108	44
2 Institutions	Community or Junior College	3	3
1 Institution	K-12, non-HE Lib, & Other Educ'l Instn	1	1
	Non-Educational Institution		

**Table 6.3.2.a. (continued):
Summary: Scholars' Institutional Distribution for Seven Publication Types, 1959-2009**

Central & South America & Caribbean: 3 Countries			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	1	1
2 Institutions	College or University	4	2
	Community or Junior College		
	K-12, non-HE Lib, & Other Educ'l Instn		
	Non-Educational Institution		
Europe: United Kingdom: 3 Countries			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	27	12
24 Institutions	College or University	62	32
	Community or Junior College		
	K-12, non-HE Lib, & Other Educ'l Instn		
2 Institutions	Non-Educational Institution	2	2
Europe: All Other Europe: 15 Countries			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	16	8
16 Institutions	College or University	17	17
	Community or Junior College		
4 Institutions	K-12, non-HE Lib, & Other Educ'l Instn	4	4
2 Institutions	Non-Educational Institution	2	2
Asia: 4 Countries			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	2	1
4 Institutions	College or University	4	4
	Community or Junior College		
	K-12, non-HE Lib, & Other Educ'l Instn		
	Non-Educational Institution		
Africa: 0 Countries			
	No institutions and no locations given		

Table 6.3.2.a. (continued):			
Summary: Scholars' Institutional Distribution for Seven Publication Types, 1959-2009			
Oceania 2 Countries			
	No institution or location given		
	Resident or Citizen (no institution); OR, retired here from institution elsewhere	1	1
8 Institutions	College or University	23	12
	Community or Junior College		
	K-12, non-HE Lib, & Other Educ'l Instn		
1 Institution	Non-Educational Institution	1	1
Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440).			
See: Appendix E for a complete list of institutions..			

not academically affiliated but worked in non-educational organizations or were not identifiably connected with named organizations at all. These latter were primarily writers, mostly creative, some of non-fiction or technical materials, though some occupied various editorially important niches in the publishing community either primarily or as a role in addition to their writing, while some combined writing or publishing roles with roles in the academy. For more information on role or status, see Section 6.3.3. below.

Regardless of state, country, or continent, individual scholars, bibliographers, and reviewers were affiliated primarily with tertiary educational institutions, of which 399 offer baccalaureate or higher degrees (1,473 contributions), and an additional 26 post-secondary, pre-baccalaureate community or junior colleges (65 contributions) (Table 6.3.2.b. below). Scholars do not always remain affiliated with a single institution for their entire careers, though some may. Undergraduates become graduate students at different institutions, some may be awarded doctorates while also working as teaching

**Table 6.3.2.b.:
Scholars' Institutional Distribution of Authorships by Number of Contributions
for Seven Publication Types, 1959-2009**

Inst'n Type:	HE: Col / Univ	HE: Com / Jr Col	K-12 & Other Educ	Non-Educ	Total # Inst'ns	% of 479 Inst'ns	Cumulative % of 479 Inst'ns	Total # Contributions	% of 1,611 Contributions	Cumulative % of 1,611 Contributions
Total Inst'ns:	399	26	21	33	479					
Total Items:	1,473	65	28	45				1,611		
# Contribs	# of Institutions with Contributions				Totals and Percentages					
1	197	14	16	29	256	53.44%	53.44%	256	15.89%	15.89%
2	70	4	4	1	79	16.49%	69.94%	158	9.81%	25.70%
3	33	2		1	36	7.52%	77.45%	108	6.70%	32.40%
4	34		1	1	36	7.52%	84.97%	144	8.94%	41.34%
5	19	2			21	4.38%	89.35%	105	6.52%	47.86%
6	10	2			12	2.51%	91.86%	72	4.47%	52.33%
7	7	1		1	9	1.88%	93.74%	63	3.91%	56.24%
8	6	1			7	1.46%	95.20%	56	3.48%	59.71%
9	4				4	0.84%	96.03%	36	2.23%	61.95%
10	4				4	0.84%	96.87%	40	2.48%	64.43%
11	3				3	0.63%	97.49%	33	2.05%	66.48%
12	4				4	0.84%	98.33%	48	2.98%	69.46%
13	2				2	0.42%	98.75%	26	1.61%	71.07%
14	1				1	0.21%	98.96%	14	0.87%	71.94%
24	1				1	0.21%	99.16%	24	1.49%	73.43%
28	2				2	0.42%	99.58%	56	3.48%	76.91%
185	1				1	0.21%	99.79%	185	11.48%	88.39%
187	1				1	0.21%	100.00%	187	11.61%	100.00%

Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440)

Note: Includes 29 authors with dual institutional affiliations, both institutions are included. Includes 56 items by multiple authors, all known institutional affiliations of all authors are included. Excludes 193 items published by authors whose institutional or organizational affiliations, if any, are unknown.

Note: Concordia U (12) is combined with pre-merger institutions, Loyola Col (1) and Sir George Williams U (1) and is counted as one institution.

or graduate assistants at their home institutions or as instructors or lecturers at their doctoral or neighboring institutions, some may start their post-graduate working lives at one institution and then move to another, and possibly yet others. Because of the sometimes fluid affiliational situation, the detailed list of institutions in Appendix E, indicates both the number of *Extrapolation*-published items associated with each institution, and the number of different individuals affiliated with the institution at the time their item(s) were published. In a very few instances, because co-authors were at the same institution that institution received credit twice for the same contribution, though most of the 56 co-authored items (representing a total of 121 authorship occurrences) involved individuals with different affiliations.

The number of published items for each institution may be a more accurate representation of the contribution of that institution to *Extrapolation* than is the number of affiliated individuals, since there are some persons with multiple contributions while at one institution and other persons who have been counted as contributors affiliated with multiple institutions, such as one particularly peripatetic scholar of eight contributions with six institutional affiliations over a 25 year period. In addition to these higher education institutions, scholars and reviewers came from 21 pre-tertiary institutions, libraries, and other educational institutions (28 contributions), from 33 non-educational organizations (45 contributions), and the final 90 contributions coming from 57 individuals with no specified or discoverable affiliation.

When looking at the contributions to *Extrapolation* from the perspective of the distribution of contributions, it is clear that the majority of contributions came from a relatively small number of institutions. The largest group of institutions were those 256

Table 6.3.2.c: Top Producing Institutions Represented in <i>Extrapolation</i> (10 or more Contributions)				
Location	Institution	# Contributions	# Individuals	Institution Type
Ohio	Kent State University [Kent]	187	31	C/U-Public
Ohio	College of Wooster	185	3	C/U-Private
California	University of California, Riverside	28	3	C/U-Public
Louisiana	Louisiana State University [Baton Rouge]	28	10	C/U-Public
Ohio	Miami University [Oxford]	24	7	C/U-Public
Québec	Concordia University [with Loyola Col & Sir George Williams U; Montréal]	14	6	C/U-Public
Michigan	Eastern Michigan University [Ypsilanti]	13	1	C/U-Public
District of Columbia	Georgetown University	13	2	C/U-Private
Indiana	Purdue University, North Central [Westville]	12	1	C/U-Public
Québec	McGill University	12	2	C/U-Public
California	California State University, Long Beach	12	3	C/U-Public
Ohio	Bowling Green State University	12	7	C/U-Public
Texas	Texas Christian University	11	2	C/U-Private
Michigan	University of Michigan [Ann Arbor]	11	5	C/U-Public
Kansas	University of Kansas	11	6	C/U-Public
Texas	University of Texas, Brownsville [was: U of Texas, Brownsville & Texas Southmost College]	10	2	C/U-Public
Ohio	University of Akron	10	3	C/U-Public
Ontario	York University [Toronto]	10	4	C/U-Public
California	University of California, Davis	10	5	C/U-Public

institutions and organizations (53.44%) from which a single contribution was made comprising not quite 16.0% of contributions, or, less than one-sixth of the 1,611 contributions from known institutions. At the other end of the distribution, those

nineteen academic institutions (Table 6.3.2.c. above) whose affiliated authors contributed 10 or more items, represent fewer than 4.0% of all the institutions or organizations (19 of 479), but more than a third of the contributions overall (613 of 1,611; 38.05%). Of these top nineteen colleges and universities, three are private and sixteen public, with three Canadian and sixteen American institutions, including five from the state of Ohio.

As with the geographic distribution, the institutional distribution is skewed by the many items published by Editors Clareson (College of Wooster; 181 items) and Hassler (Kent State University, Kent; 121 items). Even were one to subtract their Editorial and Review items as before (Clareson: 156; Hassler: 105), both institutions would retain their respective rankings among the top contributing institutions; Clareson's College of Wooster would still have 29 contributions and Hassler's Kent State 82, as there were other *Extrapolation* contributors affiliated with each institution.

6.3.3. Doctor Who: The Ranked Scholar

Human beings play many roles in their lives. They are children, then adults, possibly elders, in their respective societies. They occupy various roles and relationships simultaneously or in succession, in families as offspring or parents or grandparents or aunts, uncles, or cousins, in the world as students or teachers, workers or managers, congregants or religious leaders, producers or consumers, volunteers or leaders of volunteers, government workers or elected politicians, gardeners or farmers or chefs or florists, surfers or hikers or martial artists, drivers or passengers, writers or artists, editors or copyeditors, geophysicists, astrophysicists, astronauts, and so forth.

Thus, with so many of the contributions in *Extrapolation's* first fifty years coming from individuals affiliated with academic institutions, it is not surprising that the majority of its contributors occupy the various ranks and roles associated with academe as faculty, administrators, and other employees, as well as that of student, again, sometimes simultaneously or successively.

The summary Table 6.3.3. below, shows the distribution of roles occupied by the 1,776 known or ascribed author- and co-authorships. As with institutional affiliation, an individual may occupy several roles or ranks over a career, thus, each contribution is associated with the primary rank or role of its author(s) at the time of each publication, whenever possible. If a secondary role within or outside of the primary role was given in the Contributors section or other resource used to determine the role(s) of the individual, that information was noted and added to the table. A more detailed chart of the varied statuses, ranks, and roles of these contributors, is found in Appendix F.

Nearly three-quarters of the contributions were published by persons with a higher education faculty rank or otherwise employed by academic institutions in academic support roles, as administrators, librarians, or other staff. Of these, 88 contributions of 1,321 were from individuals with additional secondary roles within education, such as departmental chairs, and 40 contributions from those with a secondary role noted outside of education, primarily as creative writers. An additional 9.97% of items were written by students, primarily doctoral, with 53 of these 182 contributions coming from individuals with a secondary role in education or an additional role outside the academy. Nearly 2.0% of the contributions were by individuals with some academic affiliation though the specifics of that affiliation, whether faculty, staff,

**Table 6.3.3.:
Summary: Scholars' Primary Rank or Role
as Authors of Seven Publication Types in *Extrapolation*, 1959-2009**

Primary Rank or Role In or Outside Higher Education: Total Number (Percent of 1,776)	# in Primary Status or Role	# Add'l Role In Educ	# Add'l Role Outside Educ
Higher Education: Employees: 1,321 (74.38%)			
Professor with Named Professorship	18	3	
Professor	485	28	10
Reader [UK]	20	1	2
Associate Professor	169	15	1
Lecturer [UK]	7	1	
Assistant Professor	142	9	
Lecturer [US] or Instructor	68		2
Adjunct Faculty	9		1
Visiting Faculty	9	1	1
Faculty, Specific Rank or Status not given or discoverable	330	18	20
Other Faculty, or Faculty-Like Appointments	8		
Former Faculty	9		
Librarians	31	11	
Administration & Staff	16	1	3
Higher Education: Students: 177 (9.97%)			
Doctoral Students	122	28	3
Masters Students	9	1	1
Graduate Students, Specific Status not given	37	16	3
Undergraduate Students	6		
Students, Specific Status or Level not given or discoverable	3		1

Table 6.3.3. (continued): Summary: Scholars' Primary Rank or Role			
Primary Rank or Role In or Outside Higher Education: Total Number (Percent of 1,776)	# in Primary Status or Role	# Add'l Role In Educ	# Add'l Role Outside Educ
<i>K-12 & Other Educational Institutions: 16 (0.90%)</i>			
K-12 Education	7		1
Other Education, including libraries outside tertiary education	9	3	1
<i>Non-Education Related Roles: 228 (12.84%)</i>			
Independent Scholars	13		3
Writing, Publishing & the Arts: Writers, Editors, Critics, Reviewers, Artists, Publishers	107	2	44
Government, Business, & Other Organizations	18	1	1
Role or Status Not Given or Discoverable	90		
Totals:	1,776	139	98
Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440).			
Note: For details of Secondary Roles in relation to Primary Roles, see: Appendix F.			

or student, were not identified or discoverable at this time. Thus, a total of 86.26% of the contributions were made by those affiliated primarily with higher education in some fashion. The remaining 13.74% of contributions were authored by those either affiliated with a primary or secondary educational enterprise or other non-school educational institutions, such as non-tertiary libraries, or they were in non-education related roles (12.84%) such as independent scholars, writers and others affiliated with publishing, or with other organizations. The non-education related category includes individuals who authored 90 contributions (5.07%) who could not be identified with any particular role or status.

6.3.4. Always Coming Home: The Departmental or Disciplinary Scholar

Institutional individuality was on prominent display in the nomenclature applied to the departments and combinations of disciplines with which these F&SF scholars were associated. English, English Language and Literature, English and American Literature, Spanish, Spanish and Portuguese, Hispanic Studies, Composition within or without the English department or combined with Writing or Rhetoric, are just some of the permutations presented to bedevil the dissertator attempting to make some regularized sense of the classificatory stew presented by this aspect of the scholars studied. That some scholars indicated affiliations with additional departments or disciplines only further confused the issue.

That said, having categorized these complicated strands as well as possible, the scholars of F&SF in its textual, visual, and sociological forms were primarily affiliated with the humanistic disciplines, chiefly English as might be expected (Table 6.3.4. below). For those indicating a secondary affiliation, these too were mostly humanistic such as history or other languages or literatures (for details, see: Appendix G). The 1,118 authorships by those with a primary affiliation with English, included the authors of 1,050 contributions described as having English as their sole primary departmental or disciplinary affiliation (93.92% of 1,118) while an additional 68 English-affiliated authors had a secondary affiliation (6.08%). The 203 authors with other, non-English, humanities primary affiliations included 28 authorships (13.79% of 203) by those who had secondary affiliations, again mostly in the humanities including English. Trailing the humanities, the various social sciences were the primary departmental or disciplinary homes of authors of 72 contributions, with political science and government (26) at the

Table 6.3.4.: Summary: Scholars' Primary Department &/or Discipline as Authors of Seven Publication Types in <i>Extrapolation</i>, 1959-2009		
Primary Department &/or Discipline	Total # Authorships	% of 1,776 Authorships
English	1,118	62.95%
Other Humanities	203	11.43%
Social Sciences	72	4.05%
Science and Technology	10	0.56%
Interdisciplinary	7	0.39%
Libraries, Student Services, & Other Academic Administration	57	3.21%
Other Academic: Department &/or Discipline Unknown	80	4.50%
Outside of Academic Institutions or Status Unknown	229	12.89%
Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440).		
Note: For details of Departments and/or Disciplines, see Appendix G.		

head of this queue. Beyond the contributions by those with primarily instructional department affiliations, there were 41 contributions by authors affiliated with libraries and archives, with student services and other academic administrative personnel contributing 16 additional items (57 authorships total; 3.21% of 1,776). There were 113 contributions by authors outside academe (6.36% of 1,776) whose primary role or status was categorized as a writer and/or in another publishing and the arts role, with another 25 by authors within the academy (1.41%) who also had a secondary status as writers or with other publishing and the arts roles. Scholars and reviewers within the academy whose departmental or disciplinary affiliation was unknown made 80

contributions, while there were 229 contributions by individuals known to be affiliated outside of academe or whose institutional or organizational affiliation and status were entirely unknown or at least undiscovered to date.

6.4. Lifetime or Distinguished, Awards or Prizes: The Honored Scholar

B.06. What awards have these scholars won for their F&SF scholarship and other contributions to the field?

In many occupational and social fields of endeavor, the individuals involved in them recognize from time to time that one of their associates, broadly conceived, have done something that could be characterized as ‘above and beyond’ or ‘best of the year’ or even ‘a lifetime of achievement’ in the field. International and national organizations and governments may recognize exceptional accomplishments by the awarding of presidential medals, national academy fellowship status, and other honors. Business and social organizations may acknowledge milestones such as topping previous records, the completion of major organizational objectives, or providing substantial leadership in some aspect of the enterprise. Likewise, academic institutions and their faculties may vote to give awards to selected new graduates for ‘best dissertation in [field]’, those graduates may vote for a ‘best professor’, or the professors may honor colleagues for outstanding teaching, leadership, or research and scholarship. Nobel. Pulitzer. Oscar. Emmy. BAFTA. MacArthur ‘genius’ grant. FRS.

Hugos, Nebulas, Stokers, and others, recognize annual achievements in writing, media, and more, on the creative and fannish sides of the F&SF cosmos. On the academic side there are 22 awards presented by six scholarly F&SF organizations to be considered. These awards honor both individual instances of scholarly activity such as a publication or conference presentation, and multiple manifestations of the same over

a prolonged period, as well as awards honoring service to an organization or the field with their other activities. Pilgrim. Pioneer. Distinguished Scholar. Clareson.

The oldest of these awards is the Science Fiction Research Association's Pilgrim Award, an award for lifetime achievement in the field of F&SF studies. It was first presented in October 1970 during the organization's inaugural meeting to J. O. Bailey, professor of English at Chapel Hill, whose book *Pilgrims Through Space and Time* (1947), based on his 1934 dissertation, was one of the earliest scholarly volumes on F&SF, and whose title provided the inspiration for the naming of the award. By 2019 there were 50 Pilgrims, 36 of whom had published something in *Extrapolation* during its first five decades. In the decades since the first Pilgrim was named, the International Conference/Association for the Fantastic in the Arts (ICFA/IAFA), the J. Lloyd Eaton Conference, the Mythopoeic Society, the Science Fiction Foundation, the Science Fiction Research Association (SFRA), and the Society for Utopian Studies (SUS) created an additional 21 named awards for lifetime achievement, scholarship, and service, presented 519 of them through 2019, to 409 individuals (270 men, 139 women), and one organization whose six constituent members are included in the numbers of individuals counted in Table 6.4.a. below. A complete list of all awards considered for this dissertation together with their known awardees, as well as any non-winning finalists, semi-finalists, and honorable mentions when those names have been announced (not included in tabulations) is found in Appendix B.

Table 6.4.a.: Summary: All Awards and Awardees, 1970-2019			
Awardees by Number of Awards Won *			
# Awards/Awardee	# Female Awardees	# Male Awardees	Total # Awardees
1	119	217	336
2	13	33	46
3	6	12	18
4	1	7	8
5	0	1	1
Total	139	270	409
Percent of All Awardees	34.0%	66.0%	
Total of All Awards Won			
# Awards	# Awards to Females	# Awards to Males	Total # Awards Won
1	119	217	336
2	26	66	92
3	18	36	54
4	4	28	32
5	0	5	5
Total	167	352	519
Percent of All Awards	32.2%	67.8%	
* One awardee is an organization whose six members are individually included in the Female or Male columns in the table.			
Note: See Appendix B for complete list of Awards and Awardees upon which this table is based; only awardees are counted, any finalists, semi-finalists, and honorable mentions noted are excluded from these counts. Published lists of awardees for the Society of Utopian Studies may be incomplete.			

Extrapolation is affiliated with 109 of these awardees who have been honored with 19 of the 22 awards for a combined total of 168 times through 2019, though one awardee is on the Editorial Advisory Board but had not been published in the journal by the end of 2009. The 108 *Extrapolation* published individuals constitute 13.7% of the 786 named individuals published by the journal in its first fifty years. The majority (67)

Table 6.4.b.:
Summary: Awards and Awardees with *Extrapolation* Connection, 1959-2009

Awardees with <i>Extrapolation</i> Connection by Number of Awards Won *			
# Awards/Awardee	# Females	# Males	Total # Awardees
1	14	53	67
2	6	23	29
3	5	4	9
4	0	4	4
Total	25	84	109
Percent of All Awardees	22.9%	77.1%	
Total of <i>Extrapolation</i> Connected Awards Won			
# Awards	# Awards to Females	# Awards to Males	Total # Awards Won
1	14	53	67
2	12	46	58
3	15	12	27
4	0	16	16
Total	41	127	168
Percent of All Awards	24.4%	75.6%	
<i>Extrapolation</i> Connected Awardees			
<p>1 Award: <i>Female</i>: Deery, DeRose, Donawerth, Gomoll, Hellekson, Hull, Jacobs, Janicker, Mains, Merrill, Notkin, Russ, Schneekloth, Warrick; <i>Male</i>: Abrash, Alkon, Bailey, Barron, Beatie, Beauchamp, Bleiler, Brown, Budrys, Butler, Calvin, Clemente, Easterbrook, Hanson, Hatfield, Hillegas, Horstkotte, Huntington, Joshi, Kagarlitski, Ketterer, Kilgore, Kincaid, Knight, Landon, Manlove, Mead, Morrissey, Morse, Moskowitz, Mullen, Nelson, Olsen, Palumbo, Philmus, Rabkin, Roemer, Samuelson, Sanders, Sandner, Sargent, Sawyer, Schlobin, Senior, Shelton, Shor, Slusser, Sullivan, West, Westfahl, Widdicombe, Williamson, Wolf-Meyer.</p>			
<p>2 Awards: <i>Female</i>: Barr, Filmer, Fritzsche, Gordon, Hume, Vint; <i>Male</i>: Bould, Christopher, Clareson, Clarke, Delany, Ellison, Evans, Freedman, Freluk, Grant, Hall, Hassler, Klapcsik, Latham, Lew, Lewis, Luckhurst, Moylan, Nicholls, Rieder, Suvin, Tatsumi, Tymn.</p>			
<p>3 Awards: <i>Female</i>: Hayles, Hollinger, Mendlesohn, Pearson, Yaszek; <i>Male</i>: Aldiss, Gunn, James, Pohl.</p>			
<p>4 Awards: <i>Male</i>: Attebery, Franklin, Stableford, Wolfe.</p>			
<p>* One awardee is an organization whose two <i>Extrapolation</i> connected members (out of six) are individually included in the Female or Male count in the table.</p>			
<p>Note: See Appendix B for complete list of Awards and Awardees; any finalists, semi-finalists, or honorable mentions noted are excluded from these counts. Published lists of awardees for the Society of Utopian Studies may be incomplete.</p>			

of them have been honored with one of these awards, but four individuals, all men, have won four awards apiece as shown in Table 6.4.b. above. The proportion of female awardees published in *Extrapolation* (22.9%) is less than the overall proportion of all female awardees (34.0%) herein considered; this may be an artifact of the relative number of male versus female scholars in the pool of all scholars available for consideration for these awards since there were more male F&SF scholars developing their careers in the earlier years of the field. If one considers the three lifetime of scholarly achievement awards (IAFA's Distinguished Scholarship; SFRA's Pilgrim; SUS's Sargent) there were 97 awards made 1970 through 2019 with 76 (78.4%) of them to men and only 21 (21.6%) to women (the two Eaton lifetime awards do not focus on scholarship). This male-oriented proportion may be contrasted with a grouping of those awards given to students and younger scholars (IAFA's Hartwell, 1987- and Miller, 2015- ; the SF Foundation's Essay, 2001- ; SFRA's Student Paper, 1999- ; SUS's Lewis, 1987-) for which there have been 103 awards made, with 54 awards (52.4%) to women and 49 (47.6%) to men. Perhaps if these younger individuals persist in their F&SF scholarly endeavors, and if they publish in *Extrapolation*, a future examination such as this one will reveal a more gender-balanced proportion of awardees affiliated with the journal.

The F&SF scholarly field-specific awards which have been won by those affiliated with *Extrapolation* during its first fifty years are shown in Table 6.4.c. below. These awards may be categorized as being presented for lifetime achievement, for specific instances of scholarship, and for service. Many of these awards are presented on an annual basis, but not all of them. The scholarly F&SF organizations do present

Table 6.4.c.:
Summary: 1970-2019 Awards Information
for Awardees with *Extrapolation* Connection, 1959-2009

Award & Description	# Female Awardees	# Male Awardees	Total # Awardees
AWARDS FOR LIFETIME ACHIEVEMENT			
IAFA Distinguished Scholarship Award			
For distinguished contributions to the scholarship and criticism of the fantastic.	3	12	15
J. Lloyd Eaton Lifetime Award			
For contributions of lasting significance to the field.		5	5
J. Lloyd Eaton Milford Award			
For lifetime achievement in SF publishing and editing.	1	4	5
SFRA Pilgrim Award			
For lifetime contributions to SF & Fantasy scholarship.	4	32	36
SUS Lyman Tower Sargent Award for Distinguished Scholarship			
For lifetime achievements, for diversified activity, and for accomplishments not only in the academic fields to which we are accustomed, but also for achievements in fields not usually considered for academic promotion and tenure; with distinguished work in at least two of the following areas: Literary/Publication/Published Scholarship, Teaching, and Professional Service/Non-Literary Activity.		5	5
Total for Lifetime Achievement Awards:	8 F	58 M	66
Percent of Total:	12.1%	87.9%	
AWARDS FOR SPECIFIC ACTS OF SCHOLARSHIP			
IAFA David G. Hartwell Emerging Scholar Award			
Award, with stipend, to the graduate student submitting the most outstanding paper at the Association's conference; originally the Graduate Student Award.	2	4	6
IAFA Jamie Bishop Memorial Award for an Essay Not in English			
Critical essay on the fantastic written in a language other than English.		1	1

**Table 5.2.3.c. (continued):
Summary 1970-2019 Awards Information
for Awardees with *Extrapolation* Connection, 1959-2009**

J. Lloyd Eaton Memorial Award			
Best critical book.	2	11	13
Mythopoeic Society Award for General Myth & Fantasy Studies			
Scholarly books on other specific authors in the Inklings tradition, or to more general works on the genres of myth and fantasy.	3	4	7
Mythopoeic Society Scholarship Award for Inklings Studies			
Books on J. R. R. Tolkien, C. S. Lewis, and/or Charles Williams that make significant contributions to Inklings scholarship.		3	3
SF Foundation Essay Prize			
Essay by post graduate research students and early career researchers (up to 5 years after PhD completion) who have yet to find a full-time or tenured position; winner to be published in <i>Foundation</i> .	1	1	2
SFRA May Kay Bray Award			
Best essay, interview, or extended review to appear in the <i>SFRA Review</i> in a given year.	4	5	9
SFRA Pioneer Award			
Best critical essay-length work of the year.	5	11	16
SFRA Student Paper Award			
The outstanding scholarly essay read at the annual conference by a student.	3	1	4
SUS Arthur O. Lewis Award			
Best paper by a younger scholar (generally defined as untenured) given at the annual meeting.	2	2	4
SUS Eugenio Battisti Award			
Best article in previous year's <i>Utopian Studies</i> .	1	1	2
Total for Specific Acts of Scholarship Awards:	23 F	44 M	67
Percent of Total:	34.3%	65.7%	

**Table 6.4.c. (continued):
Summary: 1970-2019 Awards Information
for Awardees with *Extrapolation* Connection, 1959-2009**

AWARDS FOR SERVICE			
IAFA Robert A. Collins Service Award			
Special award presented to an officer, board member, or division head for outstanding service to IAFA.		10	10
SFRA Thomas D. Clareson Award for Distinguished Service			
For outstanding service activities--promotion of SF teaching and study, editing, reviewing, editorial writing, publishing, organizing meetings, mentoring, and leadership in SF/Fantasy organizations.	9	13	22
SUS Larry E. Hough Distinguished Service Award			
For substantial achievement in support of utopian studies, broadly defined.	1	2	3
Total for Service Awards:	10 F	25 M	35
Percent of Total:	28.6%	71.4%	
TOTAL FOR ALL AWARDS:			
	41 F	127 M	168
PERCENT OF TOTAL:			
	24.4%	75.6%	
Award descriptions taken primarily from the websites of the respective organizations:			
IAFA: International Association for the Fantastic in the Arts			
J. Lloyd Eaton: J. Lloyd Eaton Conference, University of California, Riverside			
Mythopoeic Society: Mythopoeic Society			
SF Foundation: Science Fiction Foundation			
SFRA: Science Fiction Research Association			
SUS: Society for Utopian Studies; published lists may be incomplete			

other awards but these additional awards are mostly recent and have not yet been bestowed upon anyone who published in *Extrapolation* during its first fifty years. As noted above with the lifetime achievement awards in general, the number of lifetime awards presented to *Extrapolation* affiliated individuals is predominately male (87.9%)

as are the service awards (75.6%). Only with the awards for specific acts of scholarship (publications or presentations), do the proportions of one-third female/two-thirds male appear to reflect the approximate proportion of overall male and female authorship of various items as represented by *Extrapolation's* first fifty years.

6.5. GoHs: The Contributing Scholar

B.07. What is the Lotka distribution of scholars who have published one, two, three, etc., contributions in the source documents? Which scholars under study are the most frequently published?

Having examined and divided up the 786 identified scholar-authors, editors, and reviewers published in *Extrapolation's* first fifty years by the individual identifiable characteristics of their gender and co-authorship status, their geographical locations and institutional affiliations, their ranks and roles, their departmental or disciplinary affiliations or occupations, and their awards, it is time to gather them together again then split them up by the number of contributions which each of them made to *Extrapolation* during this time. As before, the 1,776 known and ascribed solo and co-authorships of the 1,711 items (Articles (937 items), Bibliographies (50), Editorial Materials (185), Letters (84), Notes (11), Primary Literature (4), and Reviews (440)) are those under consideration. The unknown authors of some of the Editorial Materials (132 Contributors sections and 4 minor pieces) and Notes (13 items), as well as the entirety of the Calls for Papers (108), Advertisements (218), and Indexes (35) are once again set aside.

Lotka distribution: Lotka's law, or distribution, named for demographer and statistician Alfred J. Lotka, is identified and defined by **Diodato** as "One of the major laws of bibliometrics. In a well-defined subject field over a given period of time, Lotka's law suggests that a few authors are prolific and account for a relatively large percent of

the publication in the field. Many other authors produce only one or two publications each.” Thus, “there is an inverse relation between the number of documents produced and the number of authors producing the documents” (1994: 105).

One of the issues with looking at a Lotka distribution of authors and the number of publications that they produce is how to account for the authors of those documents which have co-authors. **Diodato (1994)** defines three methods of counting authors: the *adjusted count*, where each author of a multi-authored document is accorded a fraction of the authorship, e.g., if a document has three co-authors then each author is given 1/3, or 0.33, of the responsibility for the document (1-2); the *straight count*, “also called the senior count [or] primary count” where the only author counted is the senior, or first named, author and the other, secondary, persons are ignored (156); and the *complete count*, where each author is counted as a whole regardless of how many co-authors there may be (48-49).

One may imagine the confusion in accounting for authors in scholarly fields where co-authorship is particularly common as with many of the sciences and some of the social sciences. In fields in the arts and humanities where co-authorship is not necessarily an every-issue-of-a-journal or of a conference-proceedings-volume situation it is a state of affairs where one may have an easier decision to make as to the type of count to be employed. Since there were only 56 items published with co-authors during the 1959-2009 period of *Extrapolation's* existence studied out of the 1,711 items with 786 named individuals given or assigned authorship, it was decided that it would be simplest to use the *complete count* method where every person would be counted as a whole author, rather than as either a fractional one, or as the most important or senior

author even if one could make a determination of seniority in a field where such distinctions may not be made. Thus, those 56 co-authored items of which 51 have two authors, three have three authors, and two have five authors, will have their total of 121 co-authorships treated as equal to, and as important as, the 1,655 solo authored items in the discussions below.

Extrapolation's Lotka Distribution of Contributors: These 786 individuals achieved a total of 1,776 author- or co-authorships, or a mean of 2.26 authorships per individual over all the items with an identifiable author. This 2.26 average masks a wide variation however. Conforming to Lotka's law, the largest group of named authors are those 530 individuals who contributed but a single item to *Extrapolation* (see Table 6.5.a. below). Constituting more than two-thirds of all the identified scholars and reviewers ($530/786=67.43\%$), these single publication authors are responsible for a total of 530 items, or somewhat more than 30% of the 1,711 document items included in the analysis, or, slightly less than 30% of all of the 1,776 author- and co-authorships, primarily of Articles (440 of 937; 46.96%) and of Reviews (52 of 440; 11.82%). At the other end of the distribution Editors Clareson (181 items; 169 solo) and Hassler (121 items; 118 solo) together contributed a total of 302 items (17.65% of items) or 17.00% of the 1,776 attributable author- and co-authorships in these seven publication types and are once again the outliers as they were with their outsized contributions to the geographic location and institutional affiliation distributions as was discussed earlier.

Table 6.5.a.:
Lotka Distribution of Authors for Seven Publication Types, 1959-2009

Cumulative % Authorships	Cumulative # Authorships	Total # Authorships	# Items Pubd	Total # Authors	# Male Authors	# Female Authors	# Gender Un-known	Cumulative # Authors	Cumulative % Authors
29.84%	530	530	1	530	331	199		530	67.43%
43.47%	772	242	2	121	81	39	1	651	82.82%
52.08%	925	153	3	51	34	17		702	89.31%
58.61%	1,041	116	4	29	22	7		731	93.00%
61.43%	1,091	50	5	10	8	2		741	94.27%
64.81%	1,151	60	6	10	7	3		751	95.55%
67.96%	1,207	56	7	8	6	2		759	96.56%
72.47%	1,287	80	8	10	9	1		769	97.84%
74.49%	1,323	36	9	4	3	1		773	98.35%
75.62%	1,343	20	10	2	1	1		775	98.60%
76.24%	1,354	11	11	1	1			776	98.73%
77.59%	1,378	24	12	2	2			778	98.98%
79.05%	1,404	26	13	2	2			780	99.24%
79.84%	1,418	14	14	1	1			781	99.36%
79.84%			15						
80.74%	1,434	16	16	1	1			782	99.49%
80.74%			17						
81.76%	1,452	18	18	1	1			783	99.62%
81.76%			19						
81.76%			20						
81.76%			21						
83.00%	1,474	22	22	1	1			784	99.75%
89.81%	1,595	121	121	1	1			785	99.87%
100.00%	1,776	181	181	1	1			786	100.00%
	Totals	1,776		786	513	272	1	Totals	

Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440).

Note: Excludes All CfPs, Advertisements, and Indexes, and those Editorial Materials and Notes without attributable authorship.

Note: Solo authorships and co-authorships counted equally, thus 1,776 counted authorships for 1,711 items included in analysis.

Articles: At the heart of the purpose of most scholarly journals is the Article, of which *Extrapolation* published 937 between 1959 and 2009 (see Table 6.5.b. below). Identified with these Articles were 656 different individuals (83.5% of all 786 named persons) who were responsible for 910 instances of solo Article authorship, and, in various combinations, for an additional 27 Articles with co-authors, for a combined total of 971 authorships, or a mean of 1.04 authors per Article. As with the overall authorship distribution shown above, the 496 individuals who published but a single Article in *Extrapolation* are in the majority, though some of them may have contributed other items, such as Reviews. The most prolific Article authors were Editor Hassler and Gary Westfahl, with 11 Articles each, all solo authorships, followed by Editor Claerson and

Table 6.5.b.: Lotka Distribution of Authors for Publication Type: ARTICLES						
Cumulative % Authorships	Cumulative # Authorships	Total # Authorships	# Articles Pub'd	# Authors	Cumulative # Authors	Cumulative % Authors
51.1%	496	496	1	496	496	75.6%
71.5%	694	198	2	99	595	90.7%
79.2%	769	75	3	25	620	94.5%
84.6%	821	52	4	13	633	96.5%
90.2%	876	55	5	11	644	98.2%
92.1%	894	18	6	3	647	98.6%
94.2%	915	21	7	3	650	99.1%
95.9%	931	16	8	2	652	99.4%
97.7%	949	18	9	2	654	99.7%
			10			
100.0%	971	22	11	2	656	100.0%
Note: Solo authorships and co-authorships counted equally in the analysis.						
Note: 937 individual Articles with 971 author- and co-authorships by 656 individuals.						
Note: 910 solo authored Articles; 27 Articles co-authored by 24 duos, 1 trio, and 2 quintets.						

Science Fiction Studies founding co-editor Darko Suvin with nine Articles each including three and one co-authorships respectively, and Richard D. Erlich with eight Articles of which four were co-authored.

Bibliographies: In the humanities, Bibliographies may help scholars by defining creative or artistic contributions to a field by identifying items and creators that the bibliographer believes belongs to it or to an area within it, or, by bringing to the attention of others the emerging scholarship about that field or a sub-section of it (see Table 6.5.c. below). Founding Editor Clareson was particularly devoted to the idea that

Table 6.5.c.: Lotka Distribution of Authors for Publication Type: BIBLIOGRAPHIES						
Cumulative % Authorships	Cumulative # Authorships	Total # Authorships	# Bibliographies Pub'd	# Authors	Cumulative # Authors	Cumulative % Authors
41.7%	25	25	1	25	25	80.6%
48.3%	29	4	2	2	27	87.1%
			3			
55.0%	33	4	4	1	28	90.3%
			5			
			6			
66.7%	40	7	7	1	29	93.5%
80.0%	48	8	8	1	30	96.8%
			9			
			10			
			11			
100.0%	60	12	12	1	31	100.0%
Note: Solo authorships and co-authorships counted equally in the analysis.						
Note: 50 Bibliographies with 60 author- and co-authorships by 31 individuals.						
Note: 40 solo authored Bibliographies; 10 Bibliographies co-authored by 10 duos.						

Extrapolation should publish bibliographies both of major writers of F&SF and of the secondary literature of the field. Half of these 50 Bibliographies published were compiled by 25 individuals who contributed or co-contributed to a single bibliography, though some of them were responsible for items in other publication categories. The most prolific bibliographer was Marshall Tymn who was responsible for the 12 of “The Year’s Scholarship” contributions both with and without his co-bibliographer Roger Schlobin.

Table 6.5.d.: Lotka Distribution of Authors for Publication Type: REVIEWS						
Cumulative % Authorships	Cumulative # Authorships	Total # Authorships	# Reviews Pub'd	# Authors	Cumulative # Authors	Cumulative % Authors
21.7%	96	96	1	96	96	60.4%
35.7%	158	62	2	31	127	79.9%
42.4%	188	30	3	10	137	86.2%
47.9%	212	24	4	6	143	89.9%
50.1%	222	10	5	2	145	91.2%
59.6%	264	42	6	7	152	95.6%
62.8%	278	14	7	2	154	96.9%
64.6%	286	8	8	1	155	97.5%
			9			
			10			
			11			
			12			
70.4%	312	26	13	2	157	98.7%
81.7%	362	50	50	1	158	99.4%
100.0%	443	81	81	1	159	100.0%
Note: Solo authorships and co-authorships counted equally in the analysis.						
Note: 440 Reviews with 443 reviewer and co-reviewerships by 159 individuals.						
Note: 437 solo authored Reviews; 3 Reviews co-authored by 3 duos.						

Reviews: Reviews in scholarly journals are particularly valuable in the humanities because they provide evaluations of the myriad of monographs and scholarly article anthologies so prevalent in these fields, items which are far less likely to be reviewed by mainstream publications such as the *New York Times*. The 440 Reviews and review columns in *Extrapolation's* first fifty years were written by a total of 159 individuals (see Table 6.5.d. above). Only three of these Reviews were co-authored, by two male-female duos and the other by two males. Editor Claerson was the most prolific reviewer with 81 solo authored reviews and review columns between his first review in *Extrapolation's* second issue (1.2 May 1960) and his last one published just a year and a half before his death (32.4 Winter 1991); Editor Hassler trailed him with 50 reviews, including the male duo co-reviewership.

Most Prolific Contributors: As indicated by many demonstrations of Lotka's law, it is not uncommon in a scholarly field to find that some individuals are responsible for an outsized proportion of the items published therein. So, too, in *Extrapolation*, as in Table 6.5.a. above, one can see that there have been a few individuals who account for far more than the mean of 2.26 authorships per individual for the 1,711 items and their associated 1,776 authorships out of the 786 different authors. With the Lotka distribution of *Extrapolation's* authorships one would need to reach down a list of the most prolific contributors only to the 23rd most prolific before one would arrive at that person who made the 530th contribution to match the 530 single contributions at the other end of the distribution (see Table 6.5.e. below). Who that counter-balancing person and item would be would depend on how one were to organize the listing of

**Table 6.5.e.:
Scholars' Distribution of Authorship Contributions
& Top Contributors for Seven Publication Types, 1959-2009**

	Total # Contribs	Articles	Biblio- graphies	Editorial Mtls	Letters	Notes	Primary Lit	Reviews
Total # items	1,860	937	50	321	84	24	4	440
Total # Items with Authors	1,711	937	50	185	84	11	4	440
Total # Items without Author (Anonymous)	149			136		13		0
Total # Items with 1 Author	1,655	910	40	174	81	9	4	437
Total # Items with 2, 3, or 5 Co-Authors	56	27	10	11	3	2		3
Total # Author- & Co-Authorships	1,776	971	60	197	88	13	4	443
10 - 181 Contributions: 13 Authors [Male: 12; Female: 1]								
Clareson, Thomas D.	181 (12 ca)	9 (3 ca)	7 (2 ca)	79 (4 ca)	1 (1 ca)	4 (2 ca)		81
Hassler, Donald M.	121 (3 ca)	11		58 (2 ca)	2			50 (1 ca)
Westfahl, Gary	22	11		2	3			6
Richard D. Erlich	18 (4 ca)	8 (4 ca)			2			8
Harris-Fain, Darren	16	2			1			13
Freedman, Carl	14	6		1	3			4
Tymn, Marshall B.	13 (6 ca)		12 (6 ca)			1		
Vance, G. Warlock	13							13
Schlobin, Roger C.	12 (6 ca)	2	8 (6 ca)	1				1
Wilcox, Clyde	12	4		2				6
Suin, Darko	11 (2 ca)	9 (1 ca)		1	1 (1 ca)			

**Table 5.2.4.e. (continued):
Scholars' Distribution of Authorship Contributions
& Top Contributors for Seven Publication Types, 1959-2009**

	Total # Contribs	Articles	Biblio- ographies	Editorial Mtls	Letters	Notes	Primary Lit	Reviews
Vint, Sherryl	10	2		2				6
Widdicombe, (Richard) Toby	10	1	1		1			7
9 Contributions: 4 Authors [Male: 3; Female: 1]								
Bleiler, E[verett] F.	9	7			2			
Bould, Mark	9	1		1				7
Martínez, Javier A.	9 (2 ca)			8 (2 ca)				1
Mendlesohn, Farah	9 (2 ca)	2		1	4 (1 ca)			2 (1 ca)
8 Contributions: 10 Authors [Male: 9; Female: 1]								
Aldiss, Brian W.	8	5			2			1
Baker, Neal	8	2						6
Barr, Marleen S.	8	4					2	2
Blackmore, Tim	8	6						2
Erisman, Fred	8	8						
Hillegas, Mark R.	8	4	4					
Kapell, Matthew Wilhelm	8	2						6
Ketterer, David	8	4			3			1
McGiveron, Rafeeq Q.	8	7			1			

**Table 5.2.4.e. (continued):
Scholars' Distribution of Authorship Contributions
& Top Contributors for Seven Publication Types, 1959-2009**

	Total # Contribs	Articles	Biblio- graphies	Editorial Mtls	Letters	Notes	Primary Lit	Reviews
Plank, Robert	8	5						3
7 Contributions: 8 Authors [Male: 6; Female: 2]								
Abrash, Merritt	7	7						
Cummins, Elizabeth (aka: Cogell, Elizabeth C.)	7	5	1					1
Davis, Kathe	7			1				6
Dietz, Frank	7	1						6
Levy, Michael M.	7 (1 ca)	1		3 (1 ca)	1			2
Lobdell, Jared C.	7	5						2
Lowentrout, Peter M.	7	5		1				1
Moyle, David	7	1			1			5
6 Contributions: 10 Authors [Male: 7; Female: 3]								
Brigg, Peter	6	5						1
Galbreath, Robert	6	3						3
Hull, Elizabeth Anne	6 (1 ca)	4 (1 ca)						2
Pohl, Frederik	6 (2 ca)	5 (2 ca)			1			
Roberts, Robin	6	6						
Sanders, Joe	6	5			1			

**Table 5.2.4.e. (continued):
Scholars' Distribution of Authorship Contributions
& Top Contributors for Seven Publication Types, 1959-2009**

	Total # Contribs	Articles	Biblio- ographies	Editorial Mtls	Letters	Notes	Primary Lit	Reviews
Warrick, Patricia	6	5						1
Williamson, Jack	6	5						1
Wymer, Thomas L.	6	5	1					
Yoke, Carl B.	6 (2 ca)	2		3 (2 ca)				1
5 Contributions: 10 Authors [Male: 8; Female: 2]								
Collings, Michael R.	5	1						4
De Los Santos, Oscar	5	1						4
Dunn, Thomas P.	5 (1 ca)	2 (1 ca)						3
Elms, Alan C.	5	3						2
Hollinger, Veronica	5	2			2			1
Lake, David J.	5	2		1	2			
Larbalestier, Justine	5 (1 ca)	2		2 (1 ca)				1
Mead, David G.	5	3						2
Slusser, George	5	4						1
Vasbinder, Samuel H.	5							5
4 Contributions: 29 Authors [Male: 22; Female: 7]								
Total # Author- & Co-Authorships	116	70	1	5	7	1		32

Table 5.2.4.e. (continued): Scholars' Distribution of Authorship Contributions & Top Contributors for Seven Publication Types, 1959-2009								
	Total # Contribs	Articles	Biblio- graphies	Editorial Mtls	Letters	Notes	Primary Lit	Reviews
3 Contributions: 51 Authors [Male: 34; Female: 17]								
Total # Author- & Co-Authorships	153	92	3	12	14	1		31
2 Contributions: 121 Authors [Male: 81; Female: 39; Undetermined: 1]								
Total # Author- & Co-Authorships	242	157	12	11	11	3	1	47
1 Contribution: 530 Authors [Male: 331; Female: 199]								
Total # Author- & Co-Authorships	530	440	10	2	22	3	1	52
Note: Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440).								
Note: # (# ca): # items total (# of those items with 1, 2, or 4 co-authors)								

contributors of eight items; if an author-alphabetical list it would be the oldest publication of Mark R. Hillegas whose article in *Extrapolation's* second issue was on "Science Fiction and the Idea of Progress" (1.2 May 1960) while he was an instructor in English at the University of Michigan, Ann Arbor, as a freshly minted Ph.D, while if it were taken from a strictly chronological list of the eighty items by the ten contributors of eight items each, it would be a book review by librarian and online services coordinator Neal Baker of the Dickinson College Library.

The most prolific contributors to *Extrapolation* during its first fifty years are the 45 men and 10 women with five or more contributions to their credit for a total of 735 authorships (41.4% of all credited authorships), of which 45 items were co-authored.

Most of these frequent contributors published several types of materials, but a few are distinguished by having published only Reviews (Vance and Vasbinder) or only Articles (Erisman, Abrash, Roberts). These individuals are primarily located in seventeen of the fifty United States and in the District of Columbia (one was also a visiting professor in Austria); six of them are affiliated with Canadian institutions of higher education (two of them later retiring, one to England and one to Italy), three are in England (though one was temporarily in Pennsylvania as a doctoral student), and two in Australia (though one splits some of her time in New York). The vast majority are in the professorial ranks (rising from instructors to professors emeriti in some cases over the years) or were graduate students (usually doctoral students) primarily in departments of English, some are librarians, several are writers and editors, and a few were of unknown rank or role during at least part of the time covered by this survey. In the area of honors, 26 of these prolific contributors to *Extrapolation* won 14 of the awards discussed in section 6.4. above a total of 43 times; six of the ten women scholars (10.9% of the 55 most prolific) won 12 awards (27.9% of 43 awards) while 20 of the 45 men (36.4% of the 55) won 31 awards (72.1% of 43).

As editors Clareson and Hassler had perhaps an unfair advantage in the total number of contributions with their 79 and 58 Editorial contributions and their further 81 and 50 Reviews, but their 9 and 11 Articles alone would still have placed them among *Extrapolation's* most productive contributors matching Suvin (9 Articles) and Westfahl (11) as the top four Article contributors. Their editorial tenures and their contributions both before (Hassler) and after (both) also provided Clareson and Hassler with some of the most extended connections with *Extrapolation* among these frequent contributors,

34 years for Clareson (1.1-34.2 December 1959-Summer 1993) and 30 for Hassler (20.2-50.1 Summer 1979-Spring 2009). Clareson's affiliation was exceeded only by *Science Fiction Studies'* co-founder Darko Suvin whose 40 years of contributions (10.2-50.1 May 1969-Spring 2009) was interrupted by the 22.5 year gap between his fourth and fifth contributions, and both editors were rivaled by the 33 years of association of David Ketterer (14.1-46.4 December 1972-Winter 2005) and Thomas L. Wymer (14.2-47.1 May 1973-Spring 2006), the 32 years of Frederik Pohl (10.2-41.4 May 1969-Winter 2000), and the 30 years of Mark R. Hillegas (1.2-30.4 May 1960-Winter 1989).

6.6. *Unseen Academics: Conclusion*

As might be expected, those who published in *Extrapolation* during its first fifty years were for the most part academically affiliated, primarily professors of various ranks, and in institutions around the world, but not entirely. The range displayed by the academic and non-academic affiliations of these authors supports **Clareson's** contention that the journal would “publish items by anyone, whether in the academic profession or not, whether a holder of an advanced degree or not—so long as the writer says something which we believe will be of value to some portion of our audience” **(1975: 99)**. Indeed, as he later put it during the editorial celebrating the completion of *Extrapolation's* twenty-fifth year:

Ultimately the contributors are the ones who created the field and gave it shape. I have simply had the good fortune to work with them and be crazy enough to think that the MLA Seminar and SFRA needed a journal whose views were as catholic as possible, a journal which welcomes the contributions of all persons interested in the field. Poul Anderson once told me that he had heard that only Ph.D.'s could publish in the journal. I told him that all that was needed was an interest in the field and a desire to write about it. Succinctly, that remains our basic editorial policy. **(1984: 300)**

A Ph.D was certainly not required, though many of the contributing authors, bibliographers, and reviewers did have, or ultimately acquired, one. As to their interests, one may look at what they wrote, and the next question and chapter will

explore some of those interests through the lens of those primary authors and creative works which the contributors referenced in their articles.

Whether they made one or dozens of contributions, each of *Extrapolation's* participating scholars certainly share in the “freestanding international community” of Fantasy and Science Fiction scholars that **Becher and Trowler** describe one of their requirements for a discipline, just as *Extrapolation* itself is one of the field’s “specialist journals” (2001: 41). Whether F&SF Studies is a discipline or a specialty, an invisible college or a community of practice, their contributions, and those to be found in the other scholarly journals devoted to the subject in general or to specific aspects of it (and their tribe increases every several years), it is evident that Fantasy and Science Fiction Studies it is a vibrant and growing area of study and that *Extrapolation* is one of its important scholarly gathering places.

CHAPTER 7:

TAPROOT TEXTS AND OTHERS:

THE NATURE OF THE PRIMARY (CREATIVE) REFERENCES GIVEN

7.1. Prequel: The Primary References: Preliminaries and the Questions

7.1.1. Once there was a . . . : The Primary References: Preliminaries

In the presentation of scholarly work in the humanities the scholar-author will identify the topic or entity (novel, film, theme, etc.) which is being treated and in the course of the argument generally discuss some of the previous scholarship, or lack thereof, about that topic or entity. This discussion usually includes references given (sometimes called citations) to the work(s) or topic(s) under discussion as well as to other primary creative and secondary scholarly, critical, and historical works seen as germane. These references to primary or secondary texts may be given directly and formally in Works Cited lists or in Notes (foot- or end-) or may be given indirectly (allusively) and informally within the scholarly text itself. The scholar may also acknowledge indebtedness to others who have been of assistance in achieving this particular goal on the scholarly quest. The general remarks in this preliminary section provide relevant background to the discussions of Question C in regard to primary creative works referenced, and will also be relevant for future post-dissertation analyses of secondary works and other acknowledgements of indebtedness.

References Given: References given by scholars to individuals or to materials quoted or referred to within their scholarly productions may indicate to the reader such

matters as the particular manifestation of a text which was utilized by the scholar, nuances of the subject under discussion, theories and theoreticians employed, background information, scholarly consensus or disagreement on a subject, evidence of and support for or against a contention being made within the scholarly argument, among other issues. In order to come to the attention of individuals, scholars or otherwise, a text generally conceived is usually expressed or captured in some form, print, non-print, or digital, and this is the form which then will be referenced by the scholar.

The focus of many classic or traditional bibliometric studies has been on the publication format (e.g., serial, book, media) of those items referenced within the scholarly text(s) under study, on the publication dates of the items referenced, on the age of the items referenced relative to the date of the referencing publication, on the language of the items referenced, and so forth. For example, if the focus is on referenced items issued in serial publications, a distinction may be made as to scholarly journals, popular periodicals, or newspapers, and may include the titles of the top 10, 25, or 50 serial publications so referenced, such information being of value both in the development of a collection of materials about the area of study being investigated, in understanding the history of the field or subfield, and possibly in the decision making process of a scholar seeking to publish in the most widely read or cited publications.

As defined earlier in section 3.2.4., and as used throughout this dissertation, the *references given by* a scholar in a scholarly production, may be contrasted with the *citations received by* that scholar from others. Thus when Scholar A, in a Works Cited section, for example, gives a reference to a specific item authored by Scholar B this

reference is a *reference given by A to B* and to that particular item; yet when looked at from the other end of the transaction, that *reference given by A to B*, then becomes a *citation received by Scholar B* (and by that particular item) *from Scholar A* (see **Diodato 1994: 32-33, 136**).

Textual Locations of References Given: Works Cited, Notes, Annotations, or In-Text References: References given may be found in several locations within a scholarly text. The most formal and traditional locations for references are in the end-of-text *Works Cited* list, sometimes called the Bibliography or References section, and in the *Notes* which may be either footnotes at the bottom of a page or endnotes at the end of the text, the chapter, or the book, both locations being dependent upon the scholarly referencing practices of the field, the book publisher, or the journal. The formal *Works Cited* or *Notes* items are the ones generally analyzed in traditional bibliometric studies utilizing the citation indexes which may, or may not, pick up the less formal, implicit, citations found in the text. In the first decades of *Extrapolation's* existence, the scholar-authors of the Articles as analyzed in this section of the dissertation generally used *Notes*, either foot- or end-, to formally identify specific primary and secondary texts.

As seen in the quinary and decadal summary in Table 7.1.1.a. below, an increasing proportion of items formally referenced appear in the *Works Cited* location in the second half of the fifty years under consideration, rather than in the *Notes* location, as many of the scholars adopted the *Works Cited* format together with an in-text name-title, name-page, or name-date signaling of specific locations within the referenced work; the later *Notes* then were more often devoted to comments, digressions, or

explanations not appropriate for the main body of their texts. Even so, despite the official adoption by *Extrapolation* of the MLA style of Works Cited list referencing with the twentieth volume and the move to the Kent State University Press, some scholars

Table 7.1.1.a.: Location: All References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries and Decades							
By QUINARIES:	Works Cited	Notes	Annotations	In-Text	TOTAL Formal	TOTAL Informal	TOTAL All Refs
By DECADES:	Formal Refs		Informal Refs				
Ext.01-05. [15 Articles]	39	33	0	266	72	266	338
% This Location within Quinary:	11.54%	9.76%	0.00%	78.70%	21.30%	78.70%	100.00%
% This Location of all Quinaries:	0.31%	0.42%	0.00%	1.45%	0.35%	1.38%	0.85%
Ext.06-10. [18 Articles]	0	297	1	992	297	993	1,290
% This Location within Quinary:	0.00%	23.02%	0.08%	76.90%	23.02%	76.98%	100.00%
% This Location of all Quinaries:	0.00%	3.75%	0.12%	5.39%	1.45%	5.16%	3.24%
Ext.01-10. [33 Articles]	39	330	1	1,258	369	1,259	1,628
% This Location within Decade:	2.40%	20.27%	0.06%	77.27%	22.67%	77.33%	100.00%
% This Location of all Decades:	0.31%	4.17%	0.12%	6.84%	1.80%	6.54%	4.10%
Ext.11-15. [69 Articles]	163	687	4	1,659	850	1,663	2,513
% This Location within Quinary:	6.49%	27.34%	0.16%	66.02%	33.82%	66.18%	100.00%
% This Location of all Quinaries:	1.30%	8.67%	0.47%	9.02%	4.15%	8.64%	6.32%
Ext.16-20. [85 Articles]	86	1,456	7	1,688	1,542	1,695	3,237
% This Location within Quinary:	2.66%	44.98%	0.22%	52.15%	47.64%	52.36%	100.00%
% This Location of all Quinaries:	0.68%	18.38%	0.82%	9.17%	7.52%	8.80%	8.14%
Ext.11-20. [154 Articles]	249	2,143	11	3,347	2,392	3,358	5,750
% This Location within Decade:	4.33%	37.27%	0.19%	58.21%	41.60%	58.40%	100.00%
% This Location of all Decades:	1.98%	27.05%	1.29%	18.19%	11.67%	17.44%	14.46%
Ext.21-25. [128 Articles]	82	1,947	309	2,131	2,029	2,440	4,469
% This Location within Quinary:	1.83%	43.57%	6.91%	47.68%	45.40%	54.60%	100.00%
% This Location of all Quinaries:	0.65%	24.58%	36.10%	11.58%	9.90%	12.67%	11.24%
Ext.26-30. [123 Articles]	1,657	1,134	19	2,064	2,791	2,083	4,874
% This Location within Quinary:	34.00%	23.27%	0.39%	42.35%	57.26%	42.74%	100.00%
% This Location of all Quinaries:	13.17%	14.32%	2.22%	11.22%	13.61%	10.82%	12.26%
Ext.21-30. [251 Articles]	1,739	3,081	328	4,195	4,820	4,523	9,343
% This Location within Decade:	18.61%	32.98%	3.51%	44.90%	51.59%	48.41%	100.00%
% This Location of all Decades:	13.82%	38.90%	38.32%	22.80%	23.51%	23.49%	23.50%

Table 7.1.1.a. (continued): Location: All References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries and Decades							
By QUINARIES:	Works Cited	Notes	Annotations	In-Text	TOTAL Formal	TOTAL Informal	TOTAL All Refs
By DECADES:	Formal Refs		Informal Refs				
Ext.31-35. [113 Articles]	2,267	366	31	2,042	2,633	2,073	4,706
% This Location within Quinary:	48.17%	7.78%	0.66%	43.39%	55.95%	44.05%	100.00%
% This Location of all Quinaries:	18.02%	4.62%	3.62%	11.10%	12.84%	10.77%	11.84%
Ext.36-40. [125 Articles]	2,439	449	115	2,404	2,888	2,519	5,407
% This Location within Quinary:	45.11%	8.30%	2.13%	44.46%	53.41%	46.59%	100.00%
% This Location of all Quinaries:	19.39%	5.67%	13.43%	13.07%	14.09%	13.08%	13.60%
Ext.31-40. [238 Articles]	4,706	815	146	4,446	5,521	4,592	10,113
% This Location within Decade:	46.53%	8.06%	1.44%	43.96%	54.59%	45.41%	100.00%
% This Location of all Decades:	37.41%	10.29%	17.06%	24.17%	26.93%	23.85%	25.44%
Ext.41-45. [127 Articles]	2,581	638	59	2,543	3,219	2,602	5,821
% This Location within Quinary:	44.34%	10.96%	1.01%	43.69%	55.30%	44.70%	100.00%
% This Location of all Quinaries:	20.52%	8.05%	6.89%	13.82%	15.70%	13.51%	14.64%
Ext.46-50. [134 Articles]	3,267	913	311	2,609	4,180	2,920	7,100
% This Location within Quinary:	46.01%	12.86%	4.38%	36.75%	58.87%	41.13%	100.00%
% This Location of all Quinaries:	25.97%	11.53%	36.33%	14.18%	20.39%	15.17%	17.86%
Ext.41-50. [261 Articles]	5,848	1,551	370	5,152	7,399	5,522	12,921
% This Location within Decade:	45.26%	12.00%	2.86%	39.87%	57.26%	42.74%	100.00%
% This Location of all Decades:	46.49%	19.58%	43.22%	28.00%	36.09%	28.68%	32.50%
TOTAL: 937 Articles	12,580	7,921	856	18,398	20,501	19,254	39,755
% of 39,755 References in This Location within All Quinaries or Decades:	31.64%	19.92%	2.15%	46.28%	51.57%	48.43%	100.00%

continued to use end-of-text Notes for some or all of their formal bibliographical data.

Within some Works Cited items or in Notes in these Articles are the names of individuals associated with the referenced item but which are not part of the requirements of a formal bibliographical reference as called for by a style manual; these informal references to names are identified as located in *Annotations* in this dissertation

and they are often used to recognize actors or others involved in aspects of a particular film or broadcast. As an example, **Lee (2003: 81)** gives a Works Cited reference thus:

Enterprise. Television program in the *Star Trek* franchise,
September 2001-present. Paramount. Starring Scott
Bakula as Jonathan Archer, Connor Trinneer as Trip Tucker,
and Dominic Keating as Malcolm Reed.

These mentions of the actors Bakula, Trinneer and Keating are categorized as being located in Annotations as they are annotating the basic formal bibliographic reference to the series *Enterprise*. These types of informal Annotation references are more commonly found appended to individual entries within the 50 Bibliography publication type items which are not the subject of analysis in this dissertation though they may be at a future date. Other, even more informal, references to individuals without any specific work identified, e.g., John W. Campbell, Jr. or President Abraham Lincoln, or informal references to publication venues, e.g., *Astounding* or *New York Times*, may be made by scholar-authors within the body of their texts; these very informal references which lack any further specific bibliographical data were categorized as being located in the In-Text location during the data capture phase of this dissertation. As noted previously, these informal references, whether Annotations or In-Text, may not always be captured by the citation indexes unless the indexers deem them to be sufficiently important to be considered as implicit citations (see Section 3.2.4. above).

Types or Categories of References Given: Primary and Secondary,

Acknowledgements and Mentions: Researchers in the humanities, especially in literary

and other artistic areas, regularly engage with the primary creative works of the human imagination in addition to those secondary works of scholars, historians, reviewers, and others who also study, or who can provide enlightenment on, these creative works and their creators. While Fantasy and Science Fiction scholars come from a wide range of disciplines and may study an array of related topics, it may be argued that the gravitational center of F&SF studies are the imaginative written and audiovisual creations conceived by the writers, illustrators, and others, and subsequently presented to the world and its audiences by publishers, production companies, museums, and even the creators themselves. While many bibliometric studies do not discriminate among the various types of references given beyond the differentiation of the types of venues by which the references were disseminated to the world (e.g., journal, book, film), this dissertation distinguishes between four types of references given: primary, secondary, mentions, and acknowledgements, with primary creative works being the focus of the present Question C, and the other three types to be analyzed in the future.

Primary works are defined as the imaginative and creative productions of the human mind. These productions may be embodied in novels, short fictions, poems, plays and other theatrical constructions, films, television and radio broadcasts, artworks and photographs, musical creations, games, interactive and immersive environments, among other forms. As references, primary works are likely to be found in the formal Works Cited lists or Notes sections of items in *Extrapolation* and other scholarly publications indicating the particular version of the text consulted, but they are not uncommon as informal In-text references within the body of the scholarly texts

themselves without the additional formality of representation within the bibliographies or notes appended thereto.

Secondary works are defined as non-fictional texts in a broad sense, or as investigations or analyses of the world, its inhabitants, and their creations. These works may be communicated as articles, reviews, editorials, interviews, books, book collections by an individual or book anthologies with contributions by multiple individuals, broadcasts or films, oral histories, diaries or other manuscripts, letters or emails, audio or visual recordings, speeches or conference papers, among other communications. Secondary works as references are liable to be found principally in the formal Works Cited lists or Notes sections of items in *Extrapolation* and other scholarly publications, but might sometimes be found as informal In-text references within the body of the scholarly text, again without the formality of representation within the bibliographies or notes. Secondary Works as a specific form of formal or informal reference given will be the subject of a future project.

Mentions are defined as a form of non-bibliographic reference which is given as part of the discussion, remarks, or comments and which concern individuals chiefly, though sometimes are of publication sources as magazines, journals, newspapers, or broadcasts without specific reference to any particular primary or secondary work by the individual or published in a particular venue. For example, the invocation of Mary Shelley's name without other qualification would be a Mention, but a comment about Mary Shelley and her novel *The Last Man* would be counted as a Primary Work reference, even if it not enshrined in a full, formal, bibliographic reference at the end of the scholarly text, since it is a reference to a particular creative text and its author.

These mentions generally occur as informal references within the body of the scholarly text and are thus considered to be located In-Text, but they may also occur within a formal Notes section or even in an occasional non-requisite informal Annotation location within one of the bibliographic references in the Works Cited list, as when the scholar-author notes the main actors or the music composer of a film or broadcast (see example above). Mentions as a specific form of non-bibliographic reference given will be the subject of a future project.

Acknowledgements are a specific type of non-bibliographic reference, a recognition or appreciation from the scholar to individuals, venues, or organizations who have supported the scholar-author and often the particular scholarly production at hand in some fashion: financial, informational, reviewing, or otherwise, or they may be a credit by the scholar of previous presentation or publication of the item in a different or nascent form, such as a conference paper or as part of a dissertation. These acknowledgements of indebtedness, gratitude, or previous form are commonly found within a Notes section, but may also be located as an informal In-text parenthetical note, as an attachment to a Works Cited reference, or even (rarely), in a Contributors section of the issue; acknowledgements found within the Contributors section have been categorized and incorporated during data collection in the Note location. Acknowledgements as a specific form of non-bibliographic reference given will be the subject of a future project.

Priority of Types of References Given and Their Location Categorizations: Types of bibliographic and non-bibliographic references given and their reference locations are

intersecting variables within both the data collection activities and in the current and any future analyses. Individuals, works, and publications may be referenced as types of Primary or Secondary Works, Mentions, or Acknowledgements, and may be located in the formal Works Cited list or the Notes, or in the informal Annotations or In-text locations. In the present study, the location of a reference given within each article analyzed determines its priority in the hierarchy of types of references given and where it will be counted within the statistics and analyses with those references given in a formal location having a higher priority or ranking than those located in an informal one.

For example, a reference given in the Works Cited list of an article, whether to a Primary Work and its creator or to a Secondary Work and its author, has the highest ranking and that is the location categorization (Works Cited) within which it will be counted, with each work referenced being counted once only within any analyzed article; any subsequent comments or discussions of that creator or that work, whether in the Notes or the text proper of that article in *Extrapolation*, are not counted again. References given which are first observed within the Notes section of an article and thus not previously listed within the Works Cited list of that article have second priority; subsequent comments or discussions of the item or creator within the text of the article are not counted. Third priority is assigned to the small number of items found in the Annotations location, those listings primarily of individuals and sometimes of publications which generally occur within nooks or niches in the references in the Works Cited lists but which are not considered intrinsically part of the particular basic formal bibliographical references; subsequent comments or discussions within the text of the article are not counted again. Finally, the Mentions of names of individuals or

publications found solely within the text of the article which have not been captured previously within the Works Cited list, Notes, or as Annotations, are categorized as the fourth and lowest priority as In-Text references. The Acknowledgement as a type of reference given are, by their unique non-bibliographic nature, outside this hierarchy of bibliographic reference type ranking.

There were 39,755 references given and acknowledgements made as identified within the 937 Articles published in *Extrapolation* from its beginning in December 1959 through the Fall 2009 issue (see Table 7.1.1.b. below) in at least one of the four designated locations although only 67 articles (7.2%) had at least one reference or acknowledgement in all four locations. Nearly 60% of the 937 articles (557) had

Table 7.1.1.b: Summary Location: All References in Articles in <i>Extrapolation</i> , 1959-2009							
	Works Cited	Notes	Annotations	In-Text	TOTAL Formal	TOTAL Informal	TOTAL All Refs
	Formal Refs		Informal Refs				
Total # Items or Individuals Referenced:	12,580	7,921	856	18,398	20,501	19,254	39,755
# Articles with References in This Location:	557	679	86	898	863	900	937
% of 937 Articles with References in This Location:	59.45%	72.47%	9.18%	95.84%	92.10%	96.05%	100.00%
Range	1 - 149	1 - 263	1 - 295	1 - 191	1-263	1-310	1-382
Mean (Average)	22.59	11.67	9.95	20.49	23.76	21.39	42.43
Median	18	8	2	14	19	14	34
Mode (Most Common)	9	1	1	4	10	4	29
Of All 937 Articles:							
Range	0 - 149	0 - 263	0 - 295	0 - 191	0-263	0-310	1 - 382
Mean (Average)	13.43	8.45	0.91	19.64	21.88	20.55	42.43
Median	9	4	0	13	17	13	34
Mode (Most Common)	0	0	0	4	0	4	29

between 1-149 items listed in a formal Works Cited section, while 900 of them (96.05%) included between 1-310 informal first or only references to people or publications which were not previously listed in a formal Works Cited or Notes location. Overall there is a mean of 42.43 references given in all locations in all the articles with a mean of 23.76 for the formally given references and of 21.39 for the informally given ones.

As was seen above in Table 7.1.1.a. just over half of all references given (51.57%) were found in the formal precincts of the Works Cited or Notes sections of the Articles; these are the references which normally would be included in citation indexes and would be the items normally analyzed by bibliometrics scholars. It is interesting that, at least in the case of *Extrapolation*, close to half of the references to named individuals or publications thought by the scholar-authors to be relevant in some fashion to their scholarly productions have been relegated to the largely unexamined informal environs within the scholarly text itself or to annotative niches within some of the formal Works Cited references. This dissertation thus expands the typical analysis of references given to some of these informal items as well.

Analysis of Primary References Given in Articles Only within Each Decadal Grouping: Consistent with the practice of many bibliometric studies focused on the study of individual journals or small groups of subject-specific journals, this dissertation captured the data on all of the references and acknowledgements given in the 937 identified Articles published in *Extrapolation* in its first fifty years and the present analysis focuses even more tightly on the Primary, or creative, references given there. As with these other studies, this decision thus excludes references given, usually

informally, within the context of the various Editorial Materials, Notes, Letters, and Reviews. It also excludes the formally presented references and any appended annotations given within the 50 Bibliographies, generally identified in their titles as bibliographies or checklists or as yearly listings of scholarship, usually with a small amount of definitional or contextual introductory text. The Bibliographies are far fewer in number than the Articles, but their very intense and sometimes lengthy focus on very specific authors, e.g., Verne or Lovecraft, or on topics, e.g., alternate history, or on scholarship published in specific years, would otherwise heavily skew the results of the analysis of both primary and secondary materials toward those authors, topics, or years, hence their exclusion from the analysis presented here.

Other sections of this dissertation have presented data and analyzed aspects of *Extrapolation* in ten five-volume/year periods, or quinaries, to demonstrate incremental changes in the journal over half a century as was done in the presentations in Table 7.1.1.a. above, while also giving decadal totals. Likewise, the initial general analysis of the 39,755 references given, both formal (20,501) and informal (19,255), within the 937 Articles is divided based on both the quinaries, and on five ten-volume/year periods, decades or double-quinaries. The accumulation of these references given does not reach its half-way point until somewhere within the Summer 1993 (34.2) issue, eight-and-a-half volumes after the numeric and chronological half-way point (25.4/26.1 Winter 1984/Spring 1985) or nearly two-thirds of the way through all 158 issues studied. Thus, it was thought that the smaller number of Articles published in the earlier quinaries and the generally fewer number of formal and informal references given therein (see Table 7.1.1.a. above) would not be adequate to sustain the detailed scrutiny and comparisons

contemplated based on the figures as summarized by the quinaries, thus these further analyses will be made on a decadal, or ten numerical volumes, basis.

Data Elements Issues: In addition to the traditional bibliographic elements of author, title, and publication source and date, this dissertation captured or determined additional data elements for analysis. The bibliographic publication data of an item referenced provides the elements of the date of the specific edition of a publication when given, e.g., the 1996 Norton edition of Shelley's *Frankenstein*, which in its turn yields the specific age of that particular publication in relation to the date of the referencing article, e.g., it is 6 years old when referenced in a 2002 *Extrapolation* article (see **J. Brown 2002**). However, there is another relevant date associated with *Frankenstein*, that of its original publication date in January of 1818, which then can identify the actual age of the original text of the item referenced, as it is 184 years old if referenced in that same 2002 article in *Extrapolation*. Issues of original date of a text and the date of the edition utilized by the scholar of that same text are not issues which would appear to arise very often outside of the areas of the arts and humanities, save possibly when a researcher might debate making a bibliographic reference to the original publication of a pivotal scientific article or a reference to the same text as later published in the collected works of that scientist.

The full name of a referenced author is generally given in humanities referencing styles; hence, the researcher is often able to identify or to ascribe a gender to the author or co-authors of a non-anonymous publication. For the author of a primary creative work it is also often possible to know the nationality of that individual as well, thus that

element was captured or identified. The language of most items referenced is assumed to be English as the titles of most items referenced are given in English, but if the item is referenced with a non-English title, especially if any given bibliographic publication data indicates that it was published in a generally non-English language venue, that language is captured.

References to mediated items such as films and television programs provide particular challenges for the bibliometrician due to the inconsistent referencing practices of scholars despite recommendations in the various style manuals. Some scholars reference, for example, the director of a film as though the director is the author of the film; others reference the writer of the screenplay without which there would be no work, and still others make the main bibliographic entry to the title of the work. Some scholars reference episodes of a television series by the teleplay author, some by the director of the episode, others by the producer of the series, or, again, directly by the title of the episode. Since there was such variety in referencing practices for these mediated multi-authored (in the broad sense) materials, the decision was taken to make the main entry of these mediated items the title of the film, or, for television and radio broadcasts the title of the episode of a series if a specific episode is referred to or to the title of the series if the series as a whole is referenced, so that these items could be more easily collocated for analysis; in these cases, any references to the name of the film or episode directors, teleplay or screenplay authors, music composers, art directors, actors, etc., was somewhat arbitrarily characterized as being located as an annotation. These multi-authored works are categorized as Collaborative Works.

7.1.2. Pocket Universes: The Primary References: The Questions

Question C. The Primary (Creative) References Given by the Scholars:

Who and what do these scholars study and write about as revealed by the formal and informal references they give to primary materials in the Articles published in *Extrapolation*?

The purpose of Question C is to characterize aspects of those creators and creative works, novels, short fiction, visual media, and so forth, which are the Primary, or creative, texts studied by F&SF scholars publishing Articles in *Extrapolation*. These analyses may help in visualizing some of the historic development of the scholarship on the creators of this genre, and in the delineation of a present or past core, if any, of creators and works that are or have been the focus of F&SF scholarly work. It also may help to determine whether or not there are changes in the creative subjects which are the objects of study after the editors of scholarly journal make comments upon a need or desire to expand the list of creators upon whom they, the editors, would like to publish materials. Changes over time in the primary authors or works studied might also be markers for part of the evolution of the scholarly conversation. As noted earlier:

[a]n inheritance may always be reevaluated. Some works and historical periods may seem uninteresting to scholars for a time.

Then someone will come along with a new perspective or fact and the subject or period will be resurrected. These shifts of interest in the humanities are one of the scholarship's most characteristic features. **(Garfield 1980b: 42).**

As a practical matter, this information may be useful to those librarians and archivists responsible for the development of circulating and special or archival collections of primary materials for scholarly study, for younger scholars looking to expand their knowledge of the field by focusing on the more widely referenced authors or works, for all scholars who wish to break new ground by studying those who have not yet been widely referenced, and as well as for senior scholars mentoring junior scholars or overseeing the education of students.

The main question engenders the following more specific sub-questions divided into three groups:

General Characteristics of Primary Works Referenced

- C.01. What are the *types of primary works referenced* formally and informally, e.g., novels, short stories, poems, films, TV or radio programs or series, art works, graphic narratives, games, etc.?
- C.02. What are the *publication types (formats)* in which these primary works are referenced?
- C.03. What are the *languages* of the primary materials referenced?
- C.04. What are the *dates of publication or production of the specific editions or manifestations* of the referenced primary materials?
- C.05. What are the *original dates of publication or production* of the primary materials, or the date of creation or production if not yet published?

- C.06. What is the *age (in years) of the specific editions or manifestations* of the primary materials as referenced relative to the date of the referencing source document?
- C.07. What is the *age (in years) of the primary works as originally published, produced, or created* (if unpublished) relative to the date of the referencing source document?

General Characteristics of Authors of Primary Works Referenced

- C.08. By *gender*, what is the *frequency and distribution of primary creative authors* formally or informally referenced?
- C.09. By *national or country affiliation(s)*, what is the *frequency and distribution of primary creative authors* referenced?

Creative Authors and Works: Core or Neglected?

- C.10. Which *authors or creators* of primary works are *most frequently* formally or informally *referenced*; is there a core? What specific *primary works of these creators* are *most frequently referenced*; is there a core of referenced primary works?
- C.11. What specific *magazines or anthologies* are *most frequently referenced*; is there a core of referenced multi-author publication venues for primary works?
- C.12. What comparisons may be made between the primary works referenced in *Extrapolation* and the primary works listed on “A Draft of the Science-Fiction Canon to be proposed at The 1961 MLA

Conference on Science Fiction” presented in *Extrapolation* (Hillegas 1961), with the lists of most widely assigned authors, books, anthologies, and films reported in *Science Fiction Studies*’ special section on “Science Fiction in Academe” (Evans and Mullen 1996: 525-526), and, with the primary authors or works identified as ‘neglected’ in *Science Fiction Studies*’ November 1993 survey of writers and critics on “Unjustly Neglected Works of Science Fiction” (*Science Fiction Studies* Editors 1993)?

Over the course of five decades, the scholar-authors of *Extrapolation*’s articles referenced primary creative works and authors more than fifteen thousand times (Table 7.1.2. below) or 37.91% of all the 39,755 references made in these articles. For context, though not analysed in this dissertation, the secondary scholarly, critical, or historical references numbered 13,621 (34.26%), the mentions of individuals without specific works being mentioned or of publication titles another 10,268 (25.83%), and the acknowledgements 795 (2.00%), to account for all of the references given in the 937 articles. Fewer than half (7,130) of the 15,071 primary references (47.31%) were given within the formal Works Cited lists and Notes as generally indexed by the *Arts & Humanities Citation Index* and as analyzed in traditional bibliometric studies. By the time of the sixth quinary (v. 26-30, 1985-1989), more than a third of the primary references appeared in a Works Cited position (37.55%), a proportion which rose to nearly 45% in the next quinary (v. 31-35, 1990-1994), then leveled out in the vicinity of two-fifths in each quinary for the remainder of the fifty years. Primary references appear

in the Notes location at a rate fluctuating from a low of 2.91% as a portion of all primary references given in the first quinary, though admittedly there were only five primary references of 172 given there, to a high of 33.63% in the fifth and rapidly declining to

Table 7.1.2.: Location: Primary References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries & Decades							
By QUINARIES:	Works Cited	Notes	Annotations	In-Text	TOTAL Formal	TOTAL Informal	TOTAL All Refs
By DECADES:	Formal Refs		Informal Refs				
Ext.01-05. [15 Articles]	32	5	0	135	37	135	172
% This Location w/n Quinary:	18.60%	2.91%	0.00%	78.49%	21.51%	78.49%	100.00%
% This Location of all Quinaries:	0.72%	0.19%	0.00%	1.71%	0.52%	1.70%	1.14%
Ext.06-10. [18 Articles]	0	134	0	379	134	379	513
% This Location w/n Quinary:	0.00%	26.12%	0.00%	73.88%	26.12%	73.88%	100.00%
% This Location of all Quinaries:	0.00%	5.02%	0.00%	4.80%	1.88%	4.77%	3.40%
Ext.01-10. [33 Articles]	32	139	0	514	171	514	685
% This Location within Decade:	4.67%	20.29%	0.00%	75.04%	24.96%	75.04%	100.00%
% This Location of all Decades:	0.72%	5.20%	0.00%	6.51%	2.40%	6.47%	4.55%
Ext.11-15. [69 Articles]	80	237	1	613	317	614	931
% This Location w/n Quinary:	8.59%	25.46%	0.11%	65.84%	34.05%	65.95%	100.00%
% This Location of all Quinaries:	1.79%	8.87%	2.44%	7.76%	4.45%	7.73%	6.18%
Ext.16-20. [85 Articles]	86	395	0	832	481	832	1,313
% This Location w/n Quinary:	6.55%	30.08%	0.00%	63.37%	36.63%	63.37%	100.00%
% This Location of all Quinaries:	1.93%	14.79%	0.00%	10.53%	6.75%	10.48%	8.71%
Ext.11-20. [154 Articles]	166	632	1	1,445	798	1,446	2,244
% This Location w/n Quinary:	7.40%	28.16%	0.04%	64.39%	35.56%	64.44%	100.00%
% This Location of all Quinaries:	3.72%	23.66%	2.44%	18.29%	11.19%	18.21%	14.89%
Ext.21-25. [128 Articles]	79	613	28	1,103	692	1,131	1,823
% This Location w/n Quinary:	4.33%	33.63%	1.54%	60.50%	37.96%	62.04%	100.00%
% This Location of all Quinaries:	1.77%	22.95%	68.29%	13.96%	9.71%	14.24%	12.10%
Ext.26-30. [123 Articles]	778	409	0	885	1,187	885	2,072
% This Location w/n Quinary:	37.55%	19.74%	0.00%	42.71%	57.29%	42.71%	100.00%
% This Location of all Quinaries:	17.45%	15.31%	0.00%	11.20%	16.65%	11.14%	13.75%
Ext.21-30. [251 Articles]	857	1,022	28	1,988	1,879	2,016	3,895
% This Location w/n Quinary:	22.00%	26.24%	0.72%	51.04%	48.24%	51.76%	100.00%
% This Location of all Quinaries:	19.22%	38.26%	68.29%	25.16%	26.35%	25.39%	25.84%

Table 7.1.2. (continued): Location: Primary References in Articles in <i>Extrapolation</i> , 1959-2009, by Quinaries & Decades							
By QUINARIES:	Works Cited	Notes	Annotations	In-Text	TOTAL Formal	TOTAL Informal	TOTAL All Refs
By DECADES:	Formal Refs		Informal Refs				
Ext.31-35. [113 Articles]	852	146	0	896	998	896	1,894
% This Location w/n Quinary:	44.98%	7.71%	0.00%	47.31%	52.69%	47.31%	100.00%
% This Location of all Quinaries:	19.11%	5.47%	0.00%	11.34%	14.00%	11.28%	12.57%
Ext.36-40. [125 Articles]	868	198	0	962	1,066	962	2,028
% This Location w/n Quinary:	42.80%	9.76%	0.00%	47.44%	52.56%	47.44%	100.00%
% This Location of all Quinaries:	19.47%	7.41%	0.00%	12.18%	14.95%	12.11%	13.46%
Ext.31-40. [238 Articles]	1,720	344	0	1,858	2,064	1,858	3,922
% This Location w/n Quinary:	43.86%	8.77%	0.00%	47.37%	52.63%	47.37%	100.00%
% This Location of all Quinaries:	38.57%	12.88%	0.00%	23.52%	28.95%	23.40%	26.02%
Ext.41-45. [127 Articles]	836	227	0	1,018	1,063	1,018	2,081
% This Location w/n Quinary:	40.17%	10.91%	0.00%	48.92%	51.08%	48.92%	100.00%
% This Location of all Quinaries:	18.75%	8.50%	0.00%	12.89%	14.91%	12.82%	13.81%
Ext.46-50. [134 Articles]	848	307	12	1,077	1,155	1,089	2,244
% This Location w/n Quinary:	37.79%	13.68%	0.53%	47.99%	51.47%	48.53%	100.00%
% This Location of all Quinaries:	19.02%	11.49%	29.27%	13.63%	16.20%	13.71%	14.89%
Ext.41-50. [261 Articles]	1,684	534	12	2,095	2,218	2,107	4,325
% This Location w/n Quinary:	38.94%	12.35%	0.28%	48.44%	51.28%	48.72%	100.00%
% This Location of all Quinaries:	37.77%	19.99%	29.27%	26.52%	31.11%	26.53%	28.70%
TOTAL Primary References in 937 Articles	4,459	2,671	41	7,900	7,130	7,941	15,071
% of 15,071 Primary References in This Location within All Quinaries or Decades:	29.59%	17.72%	0.27%	52.42%	47.31%	52.69%	100.00%
# All References in Location:	12,580	7,921	856	18,398	20,501	19,254	39,755
% of Primary References of All References Found in This Location:	35.45%	33.72%	4.79%	42.94%	34.78%	41.24%	37.91%

less than 20% for the remainder of the period studied. Ultimately, over all fifty years nearly 30% of all primary references were found in the Works Cited, with some 47% of them formally referenced in either the Works Cited or the Notes; these formally

referenced primary works constituted more than a third of all the formal references given in the articles whether primary, secondary, mentions, or acknowledgements.

It was earlier noted (section 3.2.4.) that the development of the *Arts & Humanities Citation Index* led the ISI indexers to establish the concept of the *implicit citation* “[w]hen a work is mentioned in an article but not explicitly cited” (**Garfield 1980b: 47**); these indexer-added implicit references constituted some 15% of the references included in the 1978 *A&HCI*. Perhaps because this dissertator captured *all* of the remaining references found in the text of each article which were not previously captured in the formal Works Cited and Notes, more than half of these primary references, nearly 53%, were found in informal locations in the text, particularly as In-Text references. Either *A&HCI* indexers had been given a much stricter definition of the relevant implicit references to be captured than that which I used, thus restricting them to the aforementioned 15%, or, the scholars in *Extrapolation* were profligate in referencing primary materials informally in comparison with the scholars publishing in all of the journals included in the 1978 *A&HCI*. One would have to compare a sample of *A&HCI* entries with the original articles in *Extrapolation* upon which they are based to determine which non-Works Cited and non-Notes items comprised any implicit citations added to *A&HCI* and thus gain an idea of the *A&HCI* basis for implicitness, or, to conduct further studies of other F&SF journals to see if *Extrapolation*'s authors are typical or atypical in the use of implicit citations within this particular subject category of scholarly journals; perhaps one would have to do both, but *not* in this dissertation.

7.2. Locus: Primary Works Referenced: General Characteristics

The general characteristics of referenced primary works encompass five qualities: the *type of primary work*, as novel, short fiction, film, or artwork; the *form* in which the work as referenced is presented to the world and was referenced in the Article source document pool, as in a book or serial publication, broadcast, or manuscript; the *language* of the work as referenced; the *date* of publication or production of either the specific version used by the scholar and the original *date* of publication or production; and, the *age* of the specific version or of the original work relative to the date of the referencing article in *Extrapolation*.

7.2.1. An Atlas of Fantasy: The Types of Primary Works Referenced and Their Publication Venues

- C.01. *What are the types of primary works referenced formally and informally, e.g., novels, short stories, poems, films, TV or radio programs or series, art works, graphic narratives, games, etc.?*
- C.02. *What are the publication types (formats) in which the primary works are referenced?*

Types of Primary Works Referenced: Literary, art, and media scholars tend to study creative primary works which they may categorize by the length of the prose narrative (novel, novella, novelette, short story), by the form it takes (poem, drama or play, photograph, sculpture), or by the medium in which it is expressed (film, television series, radio drama), and so forth. As seen in Table 7.2.1.a. below, the scholar-authors

Table 7.2.1.a.:
Primary Work Types: References Given (Formal and Informal) in *Extrapolation*, by Decade

PRIMARY WORK TYPES	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTALS All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All #	%
PRIMARY WORK TYPES, GENERALLY TEXTUAL	169	504	777	1,286	1,784	1,653	1,834	1,556	1,936	1,575	6,500	6,574	13,074	86.75%
BOOK COLLECTIONS	7	14	50	48	97	45	179	58	154	73	487	238	725	4.81%
BC: Mixed Length and/or Type of Creative Works			2		3	2	15	1	6	1	26	4	30	0.20%
BC: Mixed Primary & Secondary Works, Primary Predominant			3		6	5	13	1	15		37	6	43	0.29%
BC: Artworks & Illustrations					1	1			1		2	1	3	0.02%
BC: Comic Book Stories or Graphic Novels			1		2		2		3		8		8	0.05%
BC: Dramas or Plays					1				2		3		3	0.02%
BC: Music or Songs							1				1		1	0.01%
BC: Novels			2		7	1	12		9		30	1	31	0.21%
BC: Poetry	2	5	8	3	13	3	15	10	17	9	55	30	85	0.56%
BC: Short Fictions	5	9	34	45	64	33	121	43	101	63	325	193	518	3.44%
BC Series: General								1				1	1	0.01%
BC Series: Short Fictions								2				2	2	0.01%
BOOK ANTHOLOGIES	0	20	14	23	38	27	94	21	58	24	204	115	319	2.12%
BA: Mixed Lengths and/or Types of Creative Work					1	3			1		2	3	5	0.03%
BA: Mixed Primary & Secondary Works, Primary Predominant			1	3	3	1	5		7	2	16	6	22	0.15%
BA: Comic Book Stories or Graphic Novels									4		4		4	0.03%

**Table 7.2.1.a. (continued):
Primary Work Types: References Given (Formal and Informal) in *Extrapolation*, by Decade**

PRIMARY WORK TYPES	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTALS All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All #	%
	BA: Dramas or Plays			1								1		1	0.01%
BA: Music or Songs							1		1	1	2	1	3	0.02%
BA: Novels		1					1				1	1	2	0.01%
BA: Poetry			1		2		2	2	1		6	2	8	0.05%
BA: Religious Texts									5		5		5	0.03%
BA: Short Fictions		15	11	19	31	22	81	12	35	21	158	89	247	1.64%
BA Series: General													0	0.00%
BA Series: Short Fictions		4		1	1	1	4	7	4		9	13	22	0.15%
OTHER PRIMARY WORKS	162	470	713	1,215	1,649	1,581	1,561	1,477	1,724	1,478	5,809	6,221	12,030	79.82%
Comic Book Stories, Comic Strips, Comic Books, Graphic Novels, including Series		3		3	55	6	18	16	61	24	134	52	186	1.23%
Dissertations or Theses (Primary or Creative)													0	0.00%
Dramas or Plays, Ballets, Live Performances, including Series		21	5	44	13	57	22	101	34	51	74	274	348	2.31%
Fiction Series	3	5	7	58	16	74	36	145	44	164	106	446	552	3.66%
Novels	140	327	430	757	973	840	960	652	1,084	694	3,587	3,270	6,857	45.50%
Novel Excerpts, including Chapter(s)			1		1	2	1	6	1		4	8	12	0.08%
Poetry, Poetic Sequences, and Poetic Series		10	32	134	53	106	37	154	56	108	178	512	690	4.58%
Short Fictions	19	94	217	187	519	427	477	324	423	379	1,655	1,411	3,066	20.34%

**Table 7.2.1.a. (continued):
Primary Work Types: References Given (Formal and Informal) in *Extrapolation*, by Decade**

PRIMARY WORK TYPES	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTALS All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All #	%
Spiritual & Religious Texts		10	21	32	19	69	10	79	21	58	71	248	319	2.12%
<i>Bible, Old or New Testament, or Bible Book</i>		[9]	[19]	[26]	[6]	[61]	[8]	[73]	[12]	[49]	[45]	[218]	263	
<i>Other Religious Text</i>		[1]	[2]	[6]	[13]	[8]	[2]	[6]	[9]	[9]	[26]	[30]	[56]	
MEDIATED & AUDIO/VISUAL WORK TYPES	2	10	20	160	93	356	230	280	266	516	611	1,322	1,933	12.83%
FILM	2	7	14	45	57	169	112	129	180	249	365	599	964	6.40%
Films, including Animated and Short Films	2	7	14	45	54	158	100	120	173	233	343	563	906	6.01%
Film Serials, including Film Serial Episodes/Chapters					1	3	11	1	2	2	14	6	20	0.13%
Film Series					2	8	1	8	5	14	8	30	38	0.25%
TELEVISION	0	1	2	78	29	130	104	80	61	151	196	440	636	4.22%
TV Films, Dramas, Plays, Series Pilots, & Mini-series		1	1	2	6	8	3	2	2	3	12	16	28	0.19%
TV Serials													0	0.00%
TV Series			1	24	6	77	13	42	38	73	58	216	274	1.82%
TV Series Episodes				52	17	45	88	36	21	75	126	208	334	2.22%
RADIO	0	1	0	2	2	2	6	1	4	5	12	11	23	0.15%
Radio Dramas or Plays		1		2		2	6	1	4	1	10	7	17	0.11%
Radio Serials													0	0.00%
Radio Series & Series Episodes					2					4	2	4	6	0.04%

**Table 7.2.1.a. (continued):
Primary Work Types: References Given (Formal and Informal) in *Extrapolation*, by Decade**

PRIMARY WORK TYPES	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTALS All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All #	%
OTHER MEDIATED WORKS	0	1	4	35	5	55	8	70	21	111	38	272	310	2.06%
Media Franchises						4	1	16	2	24	3	44	47	0.31%
Artworks & Illustrations			3	24	2	33	1	14	4	17	10	88	98	0.65%
Maps							1				1		1	0.01%
Musical Works		1	1	11	3	18	5	40	15	70	24	140	164	1.09%
OTHER PRIMARY WORK TYPES	0	0	1	0	2	7	0	22	16	16	19	45	64	0.42%
Manuscripts & Archival Materials								1	4		4	1	5	0.03%
Games						2		7	1	10	1	19	20	0.13%
Primary Serial Publications (Magazine or Journal), including Special Issues			1					1		1	1	2	3	0.02%
Publishers Sets and Series					2	5		1		1	2	7	9	0.06%
Realia								12			0	12	12	0.08%
Websites									11	4	11	4	15	0.10%
# Primary Works reprinted in, or original to, <i>Extrapolation</i> [e.g., illustrations, stills]	0	0	0	20	0	28	0	0	1	6	1	54	55	
PRIMARY WORK TYPES: ALL REFERENCE TOTALS	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	100.0%

of *Extrapolation's* articles referenced a variety of primary creative works in its first fifty years, though it is obvious that the majority were text-based works (86.75% overall; 91.16% of the 7,130 Formal references; 82.79% of the 7,941 Informal references).

Of these text-based works, novels (45.50% overall; 50.32% of the Formal; 41.17% of the Informal) and short fictions (e.g., short stories, novelettes, and novellas) (20.34%; 23.21%; 17.77%) predominated. Book collections by single authors (4.81%; 6.83%; 3.00%), and book anthologies with works by multiple authors (2.12%; 2.86%; 1.45%), were also referenced in noticeable numbers, with collection and anthologies of short fictions the most prominent. Films (6.40%; 5.12%; 7.54%), and television programs (4.22%; 2.75%; 5.54%) formed the major portion of the mediated or audio-visual primary works referenced in both the formal and informal reference locations. Manuscripts and other primary archival materials were very infrequently referenced (0.03%), a not unexpected result considering that institutionalized archival collections of F&SF creators' materials are a fairly recent development. Websites (15 references; 0.10%), too, are development of the last decade or so of *Extrapolation* history under examination; future analyses might show a higher proportion of them. It is interesting that religious and spiritual texts are referenced more often in an informal manner (248) than in a formal one (71); predictably, the Christian *Bible* or its component parts are referenced far more often than are other religious spiritual texts.

Publication Types or Formats in which the Primary Works Were Referenced:

Works referenced in the formal Works Cited or Notes usually include a full bibliographic reference appropriate to the type of publication venue used by the scholar, such as

place, publisher, and date for a book publication, or, for a serial publication, the title of the journal, magazine, or newspaper, volume and/or issue numbers, date of the issue, and pagination. Table 7.2.1.b. below categorizes the publication source types for the primary works referenced each decade in the formal and informal reference locations respectively. Given that nearly two-thirds of the formally referenced primary works were novels and short fictions, it is not surprising that the most common formally referenced publication venues were in book forms (4,832/7,130=67.77%), either as individual volumes, or as parts of collections or anthologies, or in serials (675/7,130= 9.47%), either whole or in serialized parts. The publication sources for the informally referenced primary works present a difference picture, in that more than 85% of them indicated no publication or presentation form (6,779 of 7,941), a result not unexpected for items which received such casual references, primarily as In-Text references as noted in Table 7.1.2. above. That more than a fifth of the formally referenced primary publication sources (21.28%) would be unspecified was unanticipated, though further digging through the data might reveal that the formally referenced primary works without publication data may have been found primarily in the Notes sections of later articles where the scholar-authors may have taken a slightly more casual approach to referencing details. There is a paucity of mediated formats (e.g., DVD) as identified publication venues, 0.46% overall, even though the mediated primary works themselves (films, television and radio programs, media franchises, artworks, maps, musical works) constitute 12.83% overall, and 8.57% formally and 16.65% informally of the primary references. The dearth of bibliographic details for many of these media-based items may indicate that scholars were less comfortable with style manual recommendations

Table 7.2.1.b.:
Primary Publication Source Types: References Given (Formal and Informal) in *Extrapolation*, by Decade

PUBLICATION SOURCE TYPES for Primary Work Types	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTAL # & % of All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	%
BOOK FORMS	107	21	485	96	1,371	217	1,394	222	1,475	214	4,832	770	5,602	37.17%
Book or Pamphlet	96	15	356	33	933	84	1,096	38	1,152	61	3,633	231	3,864	25.64%
Book Collection	10	4	69	47	305	92	222	165	209	122	815	430	1,245	8.26%
Book Anthology	1	2	60	16	133	41	76	19	114	31	384	109	493	3.27%
SERIAL PUBLICATIONS	11	23	81	34	213	89	216	39	154	103	675	288	963	6.39%
Magazine or Journal (Single Issue)	6	19	75	24	183	79	195	21	127	82	586	225	811	5.38%
Magazine or Journal (Serialized in Multiple Issues)	5	4	5	10	29	10	19	15	18	18	76	57	133	0.88%
Newspaper (Single Issue)			1				1	1	3	1	5	2	7	0.05%
Newspaper (Serialized in Multiple Issues)					1		1	2	5	2	7	4	11	0.07%
Newspaper Magazine									1		1		1	0.01%
MEDIATED FORMS	0	1	0	0	3	0	13	4	18	30	34	35	69	0.46%
Broadcast		1										1	1	0.01%
Audio or Visual Recording					3		13	4	18	30	34	34	68	0.45%
ONLINE OR DIGITAL FORMS	0	0	0	0	0	0	0	0	38	17	38	17	55	0.36%
Archival Material: Online/Digital									1		1		1	0.01%
Artwork or Music: Online/Digital									3	1	3	1	4	0.03%
Games: Online/Digital										6		6	6	0.04%
Text: Online/Digital									23	6	23	6	29	0.19%
Websites									11	4	11	4	15	0.10%

Table 7.2.1.b. (continued):
Primary Publication Source Types: References Given (Formal and Informal) in *Extrapolation*, by Decade

PUBLICATION SOURCE TYPES for Primary Work Types	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		TOTAL # & % of All 15,071	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	%
UNPUBLISHED, MANUSCRIPTS, & WORKS-IN-PROGRESS	0	1	0	9	8	11	6	12	11	17	25	50	75	0.50%
Manuscripts & Archival Collections				2	4	5	3	5	8	14	15	26	41	0.27%
Unpublished					1				1		2		2	0.01%
Work in Progress		1		7	3	6	3	7	2	3	8	24	32	0.21%
OTHER FORMS	53	468	232	1,307	284	1,699	435	1,581	522	1,726	1,526	6,781	8,307	55.12%
Live Production or Conference Presentations							1		7	2	8	2	10	0.07%
Microform					1						1		1	0.01%
Publication Source Unspecified	53	468	232	1,307	283	1,699	434	1,581	515	1,724	1,517	6,779	8,296	55.05%
# Primary Works reprinted in, or original to, <i>Extrapolation</i> [e.g., illustrations, stills]	0	0	0	20	0	28	0	0	1	6	1	54	55	
PUBLICATION SOURCE TYPES (for Primary Work Types) ALL REFERENCE TOTALS	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	100.0%

for how they should reference these materials or perhaps they were less conscious of making format distinctions for how they personally viewed these materials. One may understand the confusion, considering that some films and television programs may be available in a multitude of forms, e.g., the original theatrical presentation or television broadcast, videotapes (VHS and Beta), disks (Laser, DVD, Blu-ray), film (16mm and 35mm), and more recently as digital and streaming files, and the scholar may have viewed and re-viewed the mediated text multiple times in several different formats.

7.2.2. The Languages of Pao: The Languages of Primary Works Referenced

C.03. What are the languages of the primary materials referenced?

The language of most of the primary works referenced by the *Extrapolation* article authors was characterized as English, either explicitly or by default (Table 7.2.2. below). Works originally published in a language other than English were usually referenced in English translation though a few were referenced in their original languages and with publication venues outside the English-speaking areas of Terra. Less than 3% were identifiably referenced in one of fifteen other languages, the most common being French with 124 items (52 Formal; 72 Informal) for 0.73% and 0.91% of all primary works, or 27.23% and 31.17% of the non-English language items; French was followed by German (76 items) and Spanish (58). While no primary works were identifiably referenced in Chinese or Ukrainian there were secondary works so referenced, hence their presence on the table.

**Table 7.2.2.:
Primary Works: Languages in *Extrapolation*, by Decade**

Language of Primary References	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009	
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf
English or English assumed	158	509	753	1,409	1,862	1,955	2,027	1,795	2,139	2,041	6,939	7,709
Chinese												
Czech							9	23			9	23
Danish								1			1	1
Dutch	1					1					1	1
French	4	1	5	6	14	15	7	23	22	27	52	72
German	2	3	8	14	1	2	4	6	24	12	39	37
Greek, Ancient							1				1	1
Hungarian			1			19					1	19
Icelandic					1						1	1
Italian	1					22	2	1	3	2	6	25
Japanese								1			1	1
Latin		1		2	1	2		2	1	2	2	9
Polish	1		22	7				1			23	8
Portuguese							14	4	6		20	4
Russian			1					1	1		2	1
Serbo-Croatian										3	3	3
Spanish	4		8	8					22	16	34	24
Ukrainian												
Welsh										4	4	4
Total	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941
% English	92.40%	99.03%	94.36%	97.44%	99.10%	96.97%	98.21%	96.61%	96.44%	96.87%	97.32%	97.08%
% Non-English	7.60%	0.97%	5.64%	2.56%	0.90%	3.03%	1.79%	3.39%	3.56%	3.13%	2.68%	2.92%

For: Formally Referenced (Works Cited or Notes); **Inf:** Informally Referenced (In-Text or Annotations)

Bearing in mind that science fiction particularly was until recently considered by English-speaking scholars to be primarily an Anglo-American commercial literary genre, this concentration of references to English-language primary works is not astonishing. Since the turn of the millennium, there has been an increasing awareness by these English-language scholars of F&SF productions not only in continental Europe but also in Africa, Asia, the Middle East, and Central and South America, particularly with more translations into English; future bibliometric studies of *Extrapolation* or other F&SF scholarly journals should see such growing recognition reflected in the languages referenced.

7.2.3. Timescape: The Dates and Ages of Primary Works Referenced

C.04. What are the dates of publication or production of the specific editions or manifestations of the referenced primary materials?

C.05. What are the original dates of publication or production of the primary materials, or the date of creation or production if not yet published?

C.06. What is the age (in years) of the specific editions or manifestations of the primary materials as referenced relative to the date of the referencing source document?

C.07. What is the age (in years) of the primary works as originally published, produced, or created (if unpublished) relative to the date of the referencing source document?

Formally referenced primary works generally include the date of publication of the specific edition or manifestation of the publication or other presentation employed by the scholar. Informally referenced works may have only their original publication date given, if a date is given at all. But works referenced formally or informally may have another date associated with them, that of the original date of publication, production, or creation if the version referenced is not the original one.

The date referenced for a work will naturally have an impact on the apparent citation age of that work in relation to the year of publication of the *Extrapolation* article in which the reference is found. As an example, William **Gibson's** short fiction "Burning Chrome" was first published in the July **1982** issue of the magazine *Omni*, then reprinted in Gibson's collection of the same title published by Ace in **1986**; both publications were referenced in **Olsen's 1991** article in *Extrapolation*. Thus, while Gibson's 1982 text would be considered to be 9 years old in relation to Olsen's article regardless of the publication venue referenced, the relative ages of the two publication venues would differ with the original publication in *Omni* also as 9 years and that of the collection *Burning Chrome* as 5 years. Dates of publications and the ages of materials referenced are useful for those responsible for developing and maintaining collections of primary materials as the dates and ages of the more likely to be utilized materials may inform decisions as to at what chronological point older materials might be safely removed to remote storage locations, be removed entirely from physical collections, or for which available digital representations may be adequate for occasional use.

In this dissertation, when a specific edition of a work is not referenced, then the known or estimated date of creation or publication was used. If not given in the

referencing articles, the original dates of publication or appearance have been researched as was done in the previously noted (section 3.2.4.) examples of **Stern (1983: 200-201)** and **Cullars (1985)**. The dates of some works, especially those written prior to the Gutenberg Revolution, may have been estimated by the authorities consulted unlike the usually more certain dates of materials published in the last several centuries; thus, earlier dates and the older ages calculated from them should generally be considered approximations. Fewer than 3% of primary works referenced either formally or informally could not be dated or assigned dates with any certainty; the majority of undated items were religious texts referenced in unspecified versions and thus undatable.

A note on the display of dates or ages in the tables: The two most common methods of displaying the data on age or dates of materials referenced are to give ranges of ages, e.g., 0-5 years, 6-10 years, 101 years or older, or ranges of dates, e.g., 1900-1919, 1920-1940, etc. Another less common method is to give the age or date of materials at a certain point in the data, as at the newest (or youngest) 10% (newest decile), 25% (youngest quartile), 50% (the median), etc. In the tables which follow, both the date or age at a certain point method, as well as the number or percent of items within a certain range method are used; the former method may allow for a quick overview of various portions of the data, the later may permit a more finely divided view depending upon the size of the ranges displayed.

Dates of Publication or Production of Specific Editions Referenced: As seen in the first part of Table 7.2.3.a. below, the primary materials referenced in the articles

range in publication or creation dates from approximately BCE 2100 (*The Epic of Gilgamesh*) to the year of, or the year immediately preceding, publication of each volume of *Extrapolation*, at least on a decadal basis. While a range of forty-one centuries for materials referenced would possibly be considered improbable in all but a very few articles or books in the sciences, technical fields, and most of the social sciences, in the arts and humanities depending on the sub-field being explored it could be considered unexceptional; after all, if an art historian or archaeologist were referencing the dates of the original cave paintings of Lascaux they are estimated to be some 17,000 years old, or four times the estimated age of one of fantasy's taproot texts, *The Epic of Gilgamesh*.

Turning to the data in the first part of the table on the most recent decile (10%) of the specific editions referenced, when a specific edition was referenced or the original date when one was not specified, one discovers that on a decadal basis, the most recent primary materials referenced were published in the 6-8 years previous to the publication date of the article when formally referenced; the informally referenced equivalent ranges between 9-11 years. Over the fifty years surveyed, the most recent 10% figures are within 15 years of publication (1994-2009) for the formal references and 21 years (1988-2009) for the informal, and 28 years (1991-2008) for all the primary references, with both the inexorable march of time and the expanding number of references in the latter decades no doubt contributing to the increase in years referenced. For the most recent quartile (25%) of materials the formally referenced primary works were published within the most recent 10-14 years of the second through fifth decades studied, with the first decade of *Extrapolation* an outlier at 27 years for the

Table 7.2.3.a.:
Primary Works: Dates of Publication of Specific Editions, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071
# Items with Date	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698
# items with No Date		17	19	42	7	77	10	92	31	78	67	306	373
[# rel txt]		[10]	[18]	[26]	[3]	[65]	[5]	[66]	[4]	[47]	[30]	[214]	[244]
[# non-rel txt]		[7]	[1]	[16]	[4]	[12]	[5]	[26]	[27]	[31]	[37]	[92]	[129]
Newest Dated Item	1968	1969	1979	1979	1989	1989	1998	1999	2009	2009	2009	2009	2009
Newest 10% of Dated Items; to:	1960	1960	1973	1970	1983	1980	1990	1988	2002	2000	1994	1988	1991
Newest 25% of Dated Items; to:	1941	1949	1969	1966	1978	1972	1986	1978	1995	1990	1984	1974	1980
Median (50%) Year of Dated Items; to:	1914	1932	1963	1952	1971	1956	1976	1954	1983	1968	1973	1955	1966
Newest 75% of Dated Items; to:	1899	1897	1943	1900	1956	1921	1959	1897	1967	1931	1957	1910	1938
Newest 90% of Dated Items; to:	1879	1844	1898	1796	1927	1818	1936	1726	1942	1847	1929	1816	1880
Oldest Dated Item	CE 1634	BCE 392	BCE 1500	BCE 2100	BCE 800	BCE 2100	BCE 100	BCE 2100	BCE 100	BCE 2100	BCE 1500	BCE 2100	BCE 2100
Range [years]	335	2,361	3,479	4,079	2,789	4,089	2,098	4,099	2,109	4,109	3,509	4,109	4,109

**Table 7.2.3.a. (continued):
Primary Works: Dates of Publication of Specific Editions, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	
# Items with Date	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698	
2005-2009									75	83	75	83	158	158
% of Dated Totals:											1.06%	1.09%	1.07%	1.07%
2000-2004									260	141	260	141	401	559
% of Dated Totals:											3.68%	1.85%	2.73%	3.80%
1995-1999							51	45	256	145	307	190	497	1,056
% of Dated Totals:											4.35%	2.49%	3.38%	7.18%
1990-1994							214	111	236	143	450	254	704	1,760
% of Dated Totals:											6.37%	3.33%	4.79%	11.97%
1985-1989					92	52	326	133	199	129	617	314	931	2,691
% of Dated Totals:											8.74%	4.11%	6.33%	18.31%
1980-1984					272	154	285	120	196	113	753	387	1,140	3,831
% of Dated Totals:											10.66%	5.07%	7.76%	26.06%
1975-1979			51	55	410	185	222	114	210	93	893	447	1,340	5,171
% of Dated Totals:											12.64%	5.85%	9.12%	35.18%
1970-1974			141	111	216	171	148	91	130	116	635	489	1,124	6,295
% of Dated Totals:											8.99%	6.40%	7.65%	42.83%
1965-1969	7	23	178	257	196	220	182	123	149	130	712	753	1,465	7,760
% of Dated Totals:											10.08%	9.86%	9.97%	52.80%
1960-1964	11	37	78	109	146	110	95	67	76	73	406	396	802	8,562
% of Dated Totals:											5.75%	5.19%	5.46%	58.25%

**Table 7.2.3.a. (continued):
Primary Works: Dates of Publication of Specific Editions, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
1955-1959	5	20	49	86	102	109	104	74	69	83	329	372	701	9,263
% of Dated Totals:											4.66%	4.87%	4.77%	63.02%
1950-1954	5	41	64	145	110	160	108	99	70	120	357	565	922	10,185
% of Dated Totals:											5.05%	7.40%	6.27%	69.30%
1945-1949	9	46	20	54	53	71	56	49	38	54	176	274	450	10,635
% of Dated Totals:											2.49%	3.59%	3.06%	72.36%
1940-1944	9	30	9	41	20	36	32	25	30	35	100	167	267	10,902
% of Dated Totals:											1.42%	2.19%	1.82%	74.17%
1935-1939	7	33	41	36	39	50	40	41	27	39	154	199	353	11,255
% of Dated Totals:											2.18%	2.61%	2.40%	76.58%
1930-1934	4	23	34	38	17	52	39	38	25	32	119	183	302	11,557
% of Dated Totals:											1.68%	2.40%	2.05%	78.63%
1925-1929	8	15	6	25	38	45	39	61	18	40	109	186	295	11,852
% of Dated Totals:											1.54%	2.44%	2.01%	80.64%
1920-1924	9	21	8	26	12	52	10	32	13	29	52	160	212	12,064
% of Dated Totals:											0.74%	2.10%	1.44%	82.08%
1915-1919	10	12	3	16	6	25	10	8	6	17	35	78	113	12,177
% of Dated Totals:											0.50%	1.02%	0.77%	82.85%
1910-1914	14	19	4	16	12	14	12	21	19	24	61	94	155	12,332
% of Dated Totals:											0.86%	1.23%	1.05%	83.90%
1905-1909	10	15	1	21	13	19	10	17	5	15	39	87	126	12,458
% of Dated Totals:											0.55%	1.14%	0.86%	84.76%
1900-1904	15	21	11	18	10	20	8	28	2	15	46	102	148	12,606
% of Dated Totals:											0.65%	1.34%	1.01%	85.77%

**Table 7.2.3.a. (continued):
Primary Works: Dates of Publication of Specific Editions, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
1850-1899	40	89	47	150	69	169	36	192	42	155	234	755	989	13,595
% of Dated Totals:											3.31%	9.89%	6.73%	92.50%
1800-1849	5	11	15	55	17	51	12	66	15	63	64	246	310	13,905
% of Dated Totals:											0.91%	3.22%	2.11%	94.60%
1700-1799		15	11	38	5	45	5	48	3	41	24	187	211	14,116
% of Dated Totals:											0.34%	2.45%	1.44%	96.04%
1600-1699	3	16	2	36	12	49	4	72	2	31	23	204	227	14,343
% of Dated Totals:											0.33%	2.67%	1.54%	97.58%
1500-1599		4	3	24	1	24	4	44	7	19	15	115	130	14,473
% of Dated Totals:											0.21%	1.51%	0.88%	98.47%
1400-1499		3	1	7		1		3	1	6	2	20	22	14,495
% of Dated Totals:											0.03%	0.26%	0.15%	98.62%
CE 1-1399		2	1	28	1	30	1	25	6	27	9	112	121	14,616
% of Dated Totals:											0.13%	1.47%	0.82%	99.44%
BCE 1-2100		1	1	12	3	25	1	19	2	18	7	75	82	14,698
% of Dated Totals:											0.10%	0.98%	0.56%	100.0%
Sum: BCE 2100-2009	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698	
% of Dated Totals:	1.16%	3.38%	5.30%	9.55%	12.74%	13.19%	13.97%	12.02%	14.88%	13.80%	48.05%	51.95%	100.0%	
Sum: Decadal Dated:	668		2,183		3,811		3,820		4,216		14,698			
% of Dated Totals:	4.54%		14.85%		25.93%		25.99%		28.68%		100.0%			

Note: Based on dates of specific publications referenced or known dates for unpublished materials; on original publication dates, or on the historically estimated original dates or creation if no specific editions or manuscripts are referenced, as found Formally and Informally.

then most recent materials; the comparable figures for the informally referenced materials were the most recent 13-21 years. The overall figure for the newest quartile of primary materials would be 29 years (1980-2009), divided between 25 years for the formal (1984-2009) and 35 years for the informal (1974-2009) references. Expanding the view to the median year (50%) referenced in each decade, half of the formally referenced primary materials generally were published in the 16-26 years prior to their being referenced in *Extrapolation*, with the first decade again an outlier at 54 years; half of the informally referenced primary materials were published within 27-45 of the most recent years. Over the fifty years, the medians were 36 and 54 years for the formal and informal groupings (1973-2009 and 1955-2009) with half of all the primary works referenced falling within the 43 year period of 1966-2009.

The second-fourth pages of the table show the data more finely divided by smaller five-year time periods for the first 110 years (1900-2009), by two half-centuries for the 1800s, by centuries for the next four hundred year periods, and the remainder split at the BCE/CE dividing point. The percent of primary references given in each time period is provided for the total of the formal and informal references, for all the references, and as a running total from the newest (youngest) time period to the oldest. This more finely grained display permits one to, for example, discover that primary materials published before the mid-20th century were more often referenced informally than they were formally. Perhaps one might be intrigued to find that nearly a tenth of all the specific editions of primary works that were referenced were published in the latter half of the 1960s, a period of particular ferment in the F&SF publishing field.

The date ranges for the most recent one-tenth, one-quarter, and one-half, or the more finely divided five-year periods of specific editions of primary materials referenced would give any arts and humanities collections manager a good deal of scope for evidence-based decision making as to the chronological depth of publications to be kept in a current, open, and well-used collection, though perhaps students and scholars working with more historical materials, or with less frequently reprinted or completely unreprinted materials, might be disappointed. Were such managers attempting to provide easily-available materials to a greater majority of their users, they might decide to make their cutoff point at the two-thirds mark in the early 1950s, or even the three-quarters mark of the immediate pre-World War II materials. Such decisions would, of course, depend upon the amount of materials being reviewed, the available open stack space, and any applicable professionally negotiated decisions or higher administrative dictates, such as requiring each item considered to have a certain minimum number of circulations since the initiation of the local computer-based circulation system.

Original Dates of Publication, Production, or Creation of Primary Works

Referenced: Many popular science fiction and fantasy texts are available in a variety of formats, such as original serial or original anthology publications, paper or digital books with original or reprinted texts or presented on a website, as stage productions, in original manuscripts or their scanned digital surrogates, theatrical releases or original broadcasts captured on home VHS machines, commercial video releases in various formats and world regional flavors, and, currently, streaming video. Indeed, in a few exceptional cases a scholar might have available to choose between the original

published manifestation and well over a hundred different reprints or versions published over more than fifty years, viz., Harlan **Ellison**'s award-winning short fiction "'Repent, Harlequin!' said the Ticktockman" (1965) as documented initially in **Swigart (1973)** and more recently in **Richmond (2017)**. Thus, a scholar might use and reference the original text of the story as published in *Galaxy*, the text as published in a now-tattered classroom anthology the scholar initially read as an undergraduate in the 1980s and available on a groaning shelf within easy reach, or a current reprint in a new collection of Ellison's work. As with the Gibson example cited above, while the underlying text itself might be dated to 1965, the date of the specific publication venue referenced by the scholar might range from the original 1965 publication to one published the year before the scholar's book, article, or dissertation appeared.

With such potential variability in the referenced dates of specific manifestations published, it makes sense for those of an historical turn of mind to examine also the dates of original publication, presentation, or even of creation for those items not published (in the modern sense) shortly after creation. While the dates of specific publications referenced can give one a sense of the range of dates of the specific publications used by the scholars, the original dates of the materials can give one a better sense of the historical range and chronological depth of the actual primary texts studied and subsequently referenced by scholars. Therefore, Table 7.2.3.b. below summarizes, by *Extrapolation* decades, first and last deciles, quartiles, and median dates, a variety of date ranges, and the newest and oldest original dates of publication, presentation, or creation of the dated and dateable primary materials referenced formally and informally. It is comparable to Table 7.2.3.a. above which presented the

Table 7.2.3.b.:
Primary Works: Dates of Original Publications or Creation, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071
# Items with Date	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685
# items with No Date		17	20	42	10	77	8	99	33	80	71	315	386
[# rel txt]		[10]	[19]	[26]	[6]	[65]	[5]	[73]	[7]	[50]	[37]	[224]	[261]
[# non-rel txt]		[7]	[1]	[16]	[4]	[12]	[3]	[26]	[26]	[30]	[34]	[91]	[125]
Newest Dated Item	1968	1968	1979	1979	1989	1989	1998	1999	2009	2008	2009	2008	2009
Newest 10% of Dated Items; to:	1948	1959	1972	1969	1982	1978	1989	1985	2000	1997	1991	1984	1988
Newest 25% of Dated Items; to:	1914	1948	1968	1966	1977	1970	1983	1973	1992	1985	1981	1970	1976
Median (50%) Year of Dated Items; to:	1903	1930	1958	1951	1965	1953	1968	1949	1974	1964	1966	1952	1959
Newest 75% of Dated Items; to:	1885	1897	1934	1897	1946	1916	1949	1890	1951	1924	1944	1904	1927
Newest 90% of Dated Items; to:	1872	1840	1886	1789	1895	1816	1911	1678	1914	1837	1898	1805	1858
Oldest Dated Item	CE 1516	BCE 392	BCE 1500	BCE 2100	BCE 800	BCE 2100	BCE 701	BCE 2100	BCE 800	BCE 2100	BCE 1500	BCE 2100	BCE 2100
Range [years]	453	2,360	3,479	4,079	2,789	4,089	2,699	4,099	2,809	4,108	3,509	4,108	4,109

Table 7.2.3.b. (continued):
Primary Works: Dates of Original Publications or Creation, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	
# Items with Date	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685	
2005-2009									51	25	51	25	76	76
% of Dated Totals:											0.72%	0.33%	0.52%	0.52%
2000-2004									191	101	191	101	292	368
% of Dated Totals:											2.71%	1.32%	1.99%	2.51%
1995-1999							30	12	211	127	241	139	380	748
% of Dated Totals:											3.41%	1.82%	2.59%	5.09%
1990-1994							170	73	191	135	361	208	569	1,317
% of Dated Totals:											5.11%	2.73%	3.87%	8.97%
1985-1989					77	27	264	117	153	128	494	272	766	2,083
% of Dated Totals:											7.00%	3.57%	5.22%	14.18%
1980-1984					210	121	204	100	134	103	548	324	872	2,955
% of Dated Totals:											7.76%	4.25%	5.94%	20.12%
1975-1979			26	29	292	175	151	110	149	116	618	430	1,048	4,003
% of Dated Totals:											8.75%	5.64%	7.14%	27.26%
1970-1974			106	99	188	167	122	76	138	112	554	454	1,008	5,011
% of Dated Totals:											7.85%	5.95%	6.86%	34.12%
1965-1969	6	18	159	258	195	220	176	131	160	150	696	777	1,473	6,484
% of Dated Totals:											9.86%	10.19%	10.03%	44.15%
1960-1964	5	31	79	117	98	103	92	75	88	90	362	416	778	7,262
% of Dated Totals:											5.13%	5.46%	5.30%	49.45%

**Table 7.2.3.b. (continued):
Primary Works: Dates of Original Publications or Creation, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
1955-1959	5	20	48	84	119	101	138	68	99	63	409	336	745	8,007
% of Dated Totals:											5.79%	4.41%	5.07%	54.53%
1950-1954		41	72	149	147	170	164	112	120	142	503	614	1,117	9,124
% of Dated Totals:											7.13%	8.05%	7.61%	62.13%
1945-1949	3	44	17	57	87	70	82	54	76	58	265	283	548	9,672
% of Dated Totals:											3.75%	3.71%	3.73%	65.86%
1940-1944	6	35	17	47	46	46	55	33	77	40	201	201	402	10,074
% of Dated Totals:											2.85%	2.64%	2.74%	68.60%
1935-1939	3	34	53	36	34	59	56	48	50	37	196	214	410	10,484
% of Dated Totals:											2.78%	2.81%	2.79%	71.39%
1930-1934		26	41	40	35	62	63	45	27	49	166	222	388	10,872
% of Dated Totals:											2.35%	2.91%	2.64%	74.03%
1925-1929	2	15	2	23	39	47	30	55	24	44	97	184	281	11,153
% of Dated Totals:											1.37%	2.41%	1.91%	75.95%
1920-1924	4	21	11	26	22	67	20	28	19	26	76	168	244	11,397
% of Dated Totals:											1.08%	2.20%	1.66%	77.61%
1915-1919	8	12	4	17	12	31	21	13	7	19	52	92	144	11,541
% of Dated Totals:											0.74%	1.21%	0.98%	78.59%
1910-1914	27	20	7	18	27	24	18	43	19	34	98	139	237	11,778
% of Dated Totals:											1.39%	1.82%	1.61%	80.20%
1905-1909	10	14	5	22	10	20	18	27	8	21	51	104	155	11,933
% of Dated Totals:											0.72%	1.36%	1.06%	81.26%
1900-1904	19	23	15	18	17	11	15	29	6	14	72	95	167	12,100
% of Dated Totals:											1.02%	1.25%	1.14%	82.40%

**Table 7.2.3.b. (continued):
Primary Works: Dates of Original Publications or Creation, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
1850-1899	60	90	63	152	123	185	91	210	106	169	443	806	1,249	13,349
% of Dated Totals:											6.28%	10.57%	8.51%	90.90%
1800-1849	9	11	18	61	32	51	27	72	28	71	114	266	380	13,729
% of Dated Totals:											1.61%	3.49%	2.59%	93.49%
1700-1799		15	13	41	14	47	17	49	5	40	49	192	241	13,970
% of Dated Totals:											0.69%	2.52%	1.64%	95.13%
1600-1699	3	17	9	37	18	50	9	79	8	35	47	218	265	14,235
% of Dated Totals:											0.67%	2.86%	1.80%	96.94%
1500-1599	1	4	6	24	4	24	7	52	14	22	32	126	158	14,393
% of Dated Totals:											0.45%	1.65%	1.08%	98.01%
1400-1499		3	1	8	1	1	2	3	3	6	7	21	28	14,421
% of Dated Totals:											0.10%	0.28%	0.19%	98.20%
CE 1-1399		2	3	28	12	35	11	26	14	31	40	122	162	14,583
% of Dated Totals:											0.57%	1.60%	1.10%	99.31%
BCE 1-2100		1	3	13	10	25	3	19	9	19	25	77	102	14,685
% of Dated Totals:											0.35%	1.01%	0.69%	100.0%
Sum: BCE 2100-2009	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685	
% of Dated Totals:	1.16%	3.38%	5.30%	9.56%	12.73%	13.20%	14.00%	11.98%	14.88%	13.80%	48.07%	51.93%	100.0%	
Sum: Decadal Dated:	668		2,182		3,808		3,815		4,212		14,685			
% of Dated Totals:	4.55%		14.86%		25.93%		25.98%		28.68%		100.0%			

Note: Based on original dates of publication or known dates for unpublished materials; or on the historically estimated original dates of publication or creation, as found Formally and Informally.

same information for the specific editions, whenever possible, and the original date when necessary, as referenced by the scholars.

As above, looking at the data on the most recent decile (10%) of the original publication or creation dates of primary works referenced, on a decadal basis the most recent materials formally referenced were published originally in the 7-9 years previous to the publication date of the referencing article, with the first decade's 20 years as something of an outlier, while 9-14 years is the range for the informal references. The separate fifty-year totals of formal and informal references show 18 and 24 years respectively in the first decile (1991-2009 and 1984-2008), with 21 years for the original dates of the combined primary references in all locations (1988-2009). The most recent quartile (25%) of formally referenced primary works were published within the most recent 11-17 years of the second through fifth decades studied, with the first decade of *Extrapolation* having an outlier of 54 years for the then most recent materials; the comparable figures for the informally referenced materials were the most recent 13-26 original publication or creation years. There were 28, 38, and 33 years depth of original dates representing the formal, informal, and overall years for this quartile of primary references. At the median year referenced in each decade, the formally referenced primary materials were published in the previous 21-35 years, with the first decade, as before, an outlier with the 65 most recent years; the informally referenced primary materials were available in a date range of the 28-50 most recent years. Over the fifty years, the formal, informal, and overall original dates at the median year were the forty-third, fifty-sixth, and fiftieth years preceding their referencing articles publications (1966-2009, 1952-2008, and 1959-2009).

These most recent tenth, quarter, and half of the original dates/years and the various five-year periods referenced would, as with the specific publication dates previously, give collections managers latitude for decision making as to the chronological depth to be kept in an open collection, though with the same caveat about considering the needs of more historically minded patrons. If space permits and decisions take into account disciplinary variabilities, the manager might use the more generous year stop point at the three-quarters mark of all the referenced primary materials which would be original dates between 43-58 years, with the first decade's 83 years an outlier, for the formally referenced, or even the more generous 71-84 years of the informally referenced materials with another outlier date of 109 years in the fourth decade (1990-1999) of *Extrapolation*. Such generosity would, however, begin to strain the credulity of experienced librarians however starry-eyed.

For the most recently referenced decile of dated primary materials it makes little difference, for collections management decisions anyway, as to whether one studies and reports only the dates of specific editions or the original dates of materials, formally or informally, as there are only a couple of years difference between them relative to each *Extrapolation* decade, e.g., 6-8 years formally referenced for specific editions versus 8-14 years for informally referenced original years. As one examines larger and larger portions of the data over the five decades studied, though, the range of dates within each decade references widens until one reaches the 33-42 years date-range of three-fourths of the formally referenced specific editions and the wider gap from the 71-84 years range of the informally referenced original dates. Thus, for such practical things as collection management decision making, it is important to consider whether

the extent of specific publication or original dates is a useful and valid criterion as to which materials might be currently useful to the clientele of the institution.

Ages of Publication or Production of Specific Editions Referenced: Citation analyses of scholarly materials usually report either on the proportions of materials referenced in the source documents which had stated ranges of publication dates or which were of stated age ranges of so many years. If all of the source documents studied were published in the same year, the analysis of publication dates or of ages of the referenced materials relative to the sources should yield the same numbers of items for each comparable year-date and age. However, when the source documents are published over a number of years, as with the present case of *Extrapolation's* first fifty years, the situation is much different. A scholar referencing the original text of Ellison's "Repent, Harlequin!" (1965) in an article published in 1975 is referencing a text whose relative age would be ten years, while another scholar in a 2005 article references a forty-year-old text; the year-date of the original publication is always 1965, but the age of the text referenced grows with each year that passes since its initial publication. For a study such as this one for which the source documents extend over a half-century, it may be easier to compare each decade studied in terms of the relative ages of materials referenced rather than by the particular years-dates of publication (or creation) of those materials. It is certainly easier to compare the relative age of materials of the results herein with other similar studies since each study likely has a different base year or years for its source documents. Since different studies may present only date ranges or only age ranges, both are presented here for ease of comparison with other studies.

Thus, analyzing the decadal data for the age of the specific editions or presentations whenever possible, and the age of original publication or creation when necessary, relative to the date of the referencing publication, one can see in Table 7.2.3.c. below that for each decade the newest decile (10%) of primary materials referenced either formally or informally is only 3-6 years of age relative to the year of publication of the *Extrapolation* volume which is in relative harmony with the four (formal) and five (informal) years of age over the fifty analyzed years, and the four years of age of all primary materials referenced regardless of the location of the reference.

Save for the first decade, the youngest quartile (25%) of specific editions of primary materials referenced ranges in age from 6-9 years old for the formal references, and from 10-15 years of age for the informal ones, with eight and thirteen years respectively for the whole of the fifty years. By the point of the median age the range of ages in the second to fifth decades has widened to 13-22 years old for the formal references with the first decade's 51 years as an outlier, and for all five decades to 23-40 years old for the informal references; the fifty-year medians are 18 and 32 years of age respectively. The relatively small number of primary references in the first decade due to the smaller number of articles published once more shows that initial decade to be at variance with what is found in the later decades.

Price's Index, the proportion of materials referenced which are between zero and five years of age, was introduced earlier (section 3.2.4.4.) as a potential discriminator between 'harder' fields such as the sciences which tend to reference recent materials more heavily and softer or more humanistic fields which he said favored the referencing of older foundational, or archival, materials (**Price 1970: 10, 15**). **Budd**, whose

Table 7.2.3.c.:
Primary Works: Ages of Specific Editions Relative to Referencing Article Date, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071
# Items with Date	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698
# items w/ No Calculable Age	0	17	19	42	7	77	10	92	31	78	67	306	373
<i> [# rel txt]</i>	[0]	[10]	[18]	[26]	[3]	[65]	[5]	[66]	[4]	[47]	[30]	[214]	[244]
<i> [# non-rel txt]</i>	[0]	[7]	[1]	[16]	[4]	[12]	[5]	[26]	[27]	[31]	[37]	[92]	[129]
Age of Youngest Items [Years]	1 yr	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs
Ages of Most Recent 10% of Items [Years]	1 - 6	0 - 6	0 - 3	0 - 4	0 - 3	0 - 4	0 - 4	0 - 6	0 - 4	0 - 4	0 - 4	0 - 5	0 - 4
Ages of Most Recent 25% of Items [Years]	1 - 26	0 - 17	0 - 7	0 - 10	0 - 6	0 - 12	0 - 8	0 - 15	0 - 9	0 - 14	0 - 8	0 - 13	0 - 10
Median (50%) Age of Items [Years]	51	36	13	23	14	28	19	40	22	36	18	32	24
Ages of Most Recent 75% of Items [Years]	1 - 68	0 - 67	0 - 33	0 - 74	0 - 30	0 - 64	0 - 36	0 - 98	0 - 37	0 - 74	0 - 36	0 - 76	0 - 52
Ages of Most Recent 90% of Items [Years]	1 - 85	0 - 121	0 - 75	0 - 177	0 - 59	0 - 166	0 - 59	0 - 270	0 - 60	0 - 155	0 - 62	0 - 178	0 - 111
Age of Oldest Dateable Items	329 y/o	2,358 y/o	3,471 y/o	4,076 y/o	2,787 y/o	4,087 y/o	2,098 y/o	4,097 y/o	2,107 y/o	4,100 y/o	3,471 y/o	4,100 y/o	4,100 y/o

**Table 7.2.3.c. (continued):
Primary Works: Ages of Specific Editions Relative to Referencing Article Date, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	
# Items with Date	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698	
0-2 years old	8	26	62	81	128	105	76	84	126	137	400	433	833	833
% of Dated Totals:											2.72%	2.95%	5.67%	5.67%
3-5 years old	8	22	100	110	268	134	246	92	203	112	825	470	1,295	2,128
% of Dated Totals:											5.61%	3.20%	8.81%	14.48%
6-10 years old	5	38	172	173	328	190	321	133	294	150	1,120	684	1,804	3,932
% of Dated Totals:											7.62%	4.65%	12.27%	26.75%
11-15 years old	6	26	117	166	264	189	253	133	216	126	856	640	1,496	5,428
% of Dated Totals:											5.82%	4.35%	10.18%	36.93%
16-20 years old	7	46	52	108	181	169	190	107	207	132	637	562	1,199	6,627
% of Dated Totals:											4.33%	3.82%	8.16%	45.09%
21-25 years old	8	41	43	124	137	120	186	100	193	113	567	498	1,065	7,692
% of Dated Totals:											3.86%	3.39%	7.25%	52.33%
26-30 years old	6	21	35	56	113	147	153	91	201	103	508	418	926	8,618
% of Dated Totals:											3.46%	2.84%	6.30%	58.63%
31-35 years old	9	26	15	47	77	117	109	72	155	136	365	398	763	9,381
% of Dated Totals:											2.48%	2.71%	5.19%	63.83%
36-40 years old	7	15	41	34	79	66	112	79	116	101	355	295	650	10,031
% of Dated Totals:											2.42%	2.01%	4.42%	68.25%
41-45 years old	4	28	25	35	60	52	83	83	92	73	264	271	535	10,566
% of Dated Totals:											1.80%	1.84%	3.64%	71.89%

Table 7.2.3.c. (continued):
Primary Works: Ages of Specific Editions Relative to Referencing Article Date, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
46-50 years old	15	17	10	24	18	38	53	48	63	71	159	198	357	10,923
% of Dated Totals:											1.08%	1.35%	2.43%	74.32%
51-55 years old	13	17	6	31	17	33	44	33	67	100	147	214	361	11,284
% of Dated Totals:											1.00%	1.46%	2.46%	76.77%
56-60 years old	12	20	5	14	25	73	39	36	38	67	119	210	329	11,613
% of Dated Totals:											0.81%	1.43%	2.24%	79.01%
61-65 years old	14	22	3	14	29	29	48	56	27	43	121	164	285	11,898
% of Dated Totals:											0.82%	1.12%	1.94%	80.95%
66-70 years old	13	21	2	20	5	26	31	51	35	40	86	158	244	12,142
% of Dated Totals:											0.59%	1.07%	1.66%	82.61%
71-75 years old	7	12	20	21	10	17	10	21	21	30	68	101	169	12,311
% of Dated Totals:											0.46%	0.69%	1.15%	83.76%
76-80 years old	7	14	10	34	10	20	9	11	11	39	47	118	165	12,476
% of Dated Totals:											0.32%	0.80%	1.12%	84.88%
81-85 years old	6	6	9	25	13	14	15	23	13	28	56	96	152	12,628
% of Dated Totals:											0.38%	0.65%	1.03%	85.92%
86-90 years old	2	3	3	17	12	42	8	15	18	16	43	93	136	12,764
% of Dated Totals:											0.29%	0.63%	0.93%	86.84%
91-95 years old	4	8	3	14	13	35	8	37	5	18	33	112	145	12,909
% of Dated Totals:											0.22%	0.76%	0.99%	87.83%
96-100 years old	0	7	4	9	15	15	8	29	6	20	33	80	113	13,022
% of Dated Totals:											0.22%	0.54%	0.77%	88.60%

Table 7.2.3.c. (continued):
Primary Works: Ages of Specific Editions Relative to Referencing Article Date, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
101-125 years old	5	12	8	47	27	54	15	100	31	98	86	311	397	13,419
% of Dated Totals:											0.59%	2.12%	2.70%	91.30%
126-150 years old	2	6	5	37	10	47	11	61	11	65	39	216	255	13,674
% of Dated Totals:											0.27%	1.47%	1.73%	93.03%
151-175 years old		4	10	19	9	30	7	36	10	31	36	120	156	13,830
% of Dated Totals:											0.24%	0.82%	1.06%	94.09%
176-200 years old		2	3	12	2	13	5	26	7	37	17	90	107	13,937
% of Dated Totals:											0.12%	0.61%	0.73%	94.82%
201-500 years old	3	31	13	88	18	108	12	162	12	92	58	481	539	14,476
% of Dated Totals:											0.39%	3.27%	3.67%	98.49%
501-1000 years old		4	2	19		25		19	3	19	5	86	91	14,567
% of Dated Totals:											0.03%	0.59%	0.62%	99.11%
1001-4200 years old		2	1	25	4	31	2	28	6	32	13	118	131	14,698
% of Dated Totals:											0.09%	0.80%	0.89%	100.0%
Sum: 0-4200 yrs old	171	497	779	1,404	1,872	1,939	2,054	1,766	2,187	2,029	7,063	7,635	14,698	
% of Dated Totals:	1.16%	3.38%	5.30%	9.55%	12.74%	13.19%	13.97%	12.02%	14.88%	13.80%	48.05%	51.95%	100.0%	
Sum: Decadal Dated:	668		2,183		3,811		3,820		4,216		14,698			
% of Dated Totals:	4.54%		14.85%		25.93%		25.99%		28.68%		100.00%			

Note: Based on age of items (relative to *Extrapolation* publication year) with dates of specific publications, of manuscript dates, or date of original publication if no specific edition is referenced, as found Formally and Informally.

dissertation reported on a citation analysis of references found in a variety of scholarly American literature materials as listed in the 1981 *MLA International Bibliography*, found that 14.0% (the Price Index) of all materials (primary or secondary) referenced by his source documents were five years old or younger (**1985: 90-91**),. This is similar to the 14.48% of all referenced specific editions of primary materials here in *Extrapolation*. Examined on a decadal basis, however, these specific primary editions had somewhat variable Price Indexes for the formally referenced items of 9.36% (1959-1969), 20.80%, 21.20%, 15.68%, 15.04% (2000-2009), and 17.35% overall for the five decades, with the corresponding Price Indices for informally referenced items of 9.66%, 13.60%, 12.32%, 9.97%, 12.27% for each decade, and 11.83% for all five decades. These decadal variances again point out the necessity of considering the bibliometrician's selection of source documents and their time frames.

Ages of Original Publication, Production, or Creation of Primary Works

Referenced: As with the comparison of publication years between the specific editions and the original dates of publication or creations, the ages of primary materials based on the original dates are generally older (see Table 7.2.3.d. below) in each decile or quartile than are the ages of the specific editions as found in Table 7.2.3.c. above, as might be expected, whether comparing formal or informal references by decades or by the whole half century. The differences start to be apparent by the time one reaches the median ages and are quite noticeable by the end of the third quartile.

Comparing the ages of the youngest decile (10%) based on original publication date (or date or creation when necessary) of the primary materials referenced either

Table 7.2.3.d.:
Primary Works: Ages of Original Publications Relative to Referencing Article Date, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071
# Items with Date	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685
# items w/ No Calculable Age	0	17	20	42	10	77	8	99	33	80	71	315	386
[# rel txt]	[0]	[10]	[19]	[26]	[6]	[65]	[5]	[73]	[7]	[50]	[37]	[224]	[261]
[# non-rel txt]	[0]	[7]	[1]	[16]	[4]	[12]	[3]	[26]	[26]	[30]	[34]	[91]	[125]
Age of Youngest Items [Years]	1 yr	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs	0 yrs
Ages of Most Recent 10% of Items [Years]	1 - 17	0 - 7	0 - 4	0 - 5	0 - 4	0 - 6	0 - 5	0 - 9	0 - 5	0 - 8	0 - 4	0 - 7	0 - 5
Ages of Most Recent 25% of Items [Years]	1 - 51	0 - 19	0 - 8	0 - 11	0 - 8	0 - 14	0 - 11	0 - 21	0 - 12	0 - 20	0 - 10	0 - 16	0 - 13
Median (50%) Age of Items [Years]	62	37	17	24	20	31	27	46	30	40	26	36	31
Ages of Most Recent 75% of Items [Years]	1 - 77	0 - 67	0 - 41	0 - 76	0 - 42	0 - 69	0 - 48	0 - 106	0 - 53	0 - 80	0 - 50	0 - 83	0 - 63
Ages of Most Recent 90% of Items [Years]	1 - 93	0 - 129	0 - 87	0 - 184	0 - 91	0 - 171	0 - 84	0 - 312	0 - 88	0 - 167	0 - 88	0 - 189	0 - 132
Age of Oldest Dateable Items	449 y/o	2,358 y/o	3,471 y/o	4,076 y/o	2,788 y/o	4,087 y/o	2,692 y/o	4,097 y/o	2,804 y/o	4,100 y/o	3,471 y/o	4,100 y/o	4,100 y/o

**Table 7.2.3.d. (continued):
Primary Works: Ages of Original Publications Relative to Referencing Article Date, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
Total # Items	171	514	798	1,446	1,879	2,016	2,064	1,858	2,218	2,107	7,130	7,941	15,071	
# Items with Date	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685	
0-2 years old	7	20	38	55	102	59	52	25	80	47	279	206	485	485
% of Dated Totals:											1.90%	1.40%	3.30%	3.30%
3-5 years old	4	17	72	91	201	114	197	66	153	88	627	376	1,003	1,488
% of Dated Totals:											4.27%	2.56%	6.83%	10.13%
6-10 years old	2	38	151	181	276	187	249	125	245	146	923	677	1,600	3,088
% of Dated Totals:											6.29%	4.61%	10.90%	21.03%
11-15 years old	4	25	104	173	200	189	188	114	164	121	660	622	1,282	4,370
% of Dated Totals:											4.49%	4.24%	8.73%	29.76%
16-20 years old	1	47	64	111	172	159	144	104	161	118	542	539	1,081	5,451
% of Dated Totals:											3.69%	3.67%	7.36%	37.12%
21-25 years old	3	40	42	129	103	121	148	89	139	118	435	497	932	6,383
% of Dated Totals:											2.96%	3.38%	6.35%	43.47%
26-30 years old	5	27	36	52	100	134	137	91	159	119	437	423	860	7,243
% of Dated Totals:											2.98%	2.88%	5.86%	49.32%
31-35 years old	2	27	22	52	111	131	118	86	152	139	405	435	840	8,083
% of Dated Totals:											2.76%	2.96%	5.72%	55.04%
36-40 years old	1	18	49	38	117	70	145	85	133	119	445	330	775	8,858
% of Dated Totals:											3.03%	2.25%	5.28%	60.32%
41-45 years old	1	24	37	34	70	60	116	84	103	81	327	283	610	9,468
% of Dated Totals:											2.23%	1.93%	4.15%	64.47%

Table 7.2.3.d. (continued):
Primary Works: Ages of Original Publications Relative to Referencing Article Date, by *Extrapolation* Decade

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
46-50 years old	12	18	7	25	39	46	88	59	96	67	242	215	457	9,925
% of Dated Totals:											1.65%	1.46%	3.11%	67.59%
51-55 years old	11	19	8	31	26	36	61	37	117	117	223	240	463	10,388
% of Dated Totals:											1.52%	1.63%	3.15%	70.74%
56-60 years old	26	19	5	13	37	81	55	49	74	70	197	232	429	10,817
% of Dated Totals:											1.34%	1.58%	2.92%	73.66%
61-65 years old	18	22	7	16	37	46	72	49	67	44	201	177	378	11,195
% of Dated Totals:											1.37%	1.21%	2.57%	76.23%
66-70 years old	20	24	3	22	10	31	29	51	51	44	113	172	285	11,480
% of Dated Totals:											0.77%	1.17%	1.94%	78.18%
71-75 years old	4	12	29	22	22	25	23	26	30	47	108	132	240	11,720
% of Dated Totals:											0.74%	0.90%	1.63%	79.81%
76-80 years old	11	14	14	34	14	22	17	15	16	36	72	121	193	11,913
% of Dated Totals:											0.49%	0.82%	1.31%	81.12%
81-85 years old	9	6	11	25	17	15	19	37	19	29	75	112	187	12,100
% of Dated Totals:											0.51%	0.76%	1.27%	82.40%
86-90 years old		2	5	17	25	37	20	26	18	21	68	103	171	12,271
% of Dated Totals:											0.46%	0.70%	1.16%	83.56%
91-95 years old	15	9	4	13	19	33	18	39	6	23	62	117	179	12,450
% of Dated Totals:											0.42%	0.80%	1.22%	84.78%
96-100 years old		7	4	10	11	26	15	29	9	27	39	99	138	12,588
% of Dated Totals:											0.27%	0.67%	0.94%	85.72%

**Table 7.2.3.d. (continued):
Primary Works: Ages of Original Publications Relative to Referencing Article Date, by *Extrapolation* Decade**

	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTALS: 1959-2009			Run- ning Total
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	Total	
101-125 years old	8	12	13	48	62	55	38	109	78	104	199	328	527	13,115
% of Dated Totals:											1.36%	2.23%	3.59%	89.31%
126-150 years old	3	6	7	41	19	48	32	71	29	71	90	237	327	13,442
% of Dated Totals:											0.61%	1.61%	2.23%	91.54%
151-175 years old		4	10	21	17	29	16	35	17	33	60	122	182	13,624
% of Dated Totals:											0.41%	0.83%	1.24%	92.77%
176-200 years old		2	4	14	5	15	11	32	15	44	35	107	142	13,766
% of Dated Totals:											0.24%	0.73%	0.97%	93.74%
201-500 years old	4	32	25	91	34	109	32	178	28	98	123	508	631	14,397
% of Dated Totals:											0.84%	3.46%	4.30%	98.04%
501-1000 years old		4	4	19	9	30	10	20	7	23	30	96	126	14,523
% of Dated Totals:											0.20%	0.65%	0.86%	98.90%
1001-4200 years old		2	3	26	14	31	6	28	19	33	42	120	162	14,685
% of Dated Totals:											0.29%	0.82%	1.10%	100.0%
Sum: 0-4200 yrs old	171	497	778	1,404	1,869	1,939	2,056	1,759	2,185	2,027	7,059	7,626	14,685	
% of Dated Totals:	1.16%	3.38%	5.30%	9.56%	12.73%	13.20%	14.00%	11.98%	14.88%	13.80%	48.07%	51.93%	100.0%	
Sum: Decadal Dated:	668		2,182		3,808		3,815		4,212		14,685			
% of Dated Totals:	4.55%		14.86%		25.93%		25.98%		28.68%		100.00%			

Note: Based on age of items (relative to *Extrapolation* publication year) with date of original publication or creation, as found Formally and Informally.

formally or informally in each decade one finds that the 4-9 years of age based on the original dates is only slightly older than the 3-6 years of age of the published editions referenced; the 17 years of age of the formal references in the first decade is an outlier as usual. The four (formal), seven (informal), and five years overall is quite similar to the comparable four, five, and four years of age of the specific editions referenced. Save for the outlying 51 years of age of the formal references in the first decade, at the first quartile (25%) level the 8-12 years of age for the formal primary works and the 11-21 years for the informal references are somewhat older as one might expect than the specific publications' 6-9 years (formal) and the 10-15 years of age of the informal, but not markedly so; the 10 and 16 years of age for all of the formal and informal fifty years referenced, and the 13 years of all primary references are somewhat older than the 8, 13, and 10 years of ages of the specific editions. When contrasting the original ages of primary materials at the median (50%) year with the ages of specific editions referenced, one again finds the ages of materials based on the original dates to be only somewhat older than those based on the specific editions referenced: 17-30 years of original age for formal (62 years in the outlier first decade) versus 13-22 years of age of the specific editions, and 24-46 original years of age for informal references versus 23-40 years for the specific editions; the median ages of 26, 36, and 31 years for the fifty years of the formal, informal, and all original ages of the primary works are 8, 4, and 7 years older than the comparable 18, 32, and 24 years of age of the primary specific editions.

When examining the Price Indices for the original publications, both overall (10.14%) and decadal (formal: 6.43%, 14.14%, 16.26%, 12.11%, 10.66%, with all five

decades at 12.85%; informal: 7.44%, 10.40%, 8.92%, 5.17%, 6.66%, and all five decades at 7.63%), one finds that the proportion of 0-5 year old primary materials referenced is smaller in all cases than the proportion of specific edition ages, as one would expect since generally the original ages of items would be either the same as or older than whichever specific edition or manifestation might be referenced.

Edition Dates and Creation/First Publication Dates versus Relative Ages: The use of publication dates as one of the factors in a study such as this permits one to demonstrate the use of primary works in their more tangible expressions as they are made use of by scholars, and, at one remove, as objects sitting on real shelves in real libraries being managed by librarians and archivists with real physical and budgetary constraints to consider, though going forward they may be less tangible and more virtual they will still have to be managed. In this field of study, it is obvious that the scholars are looking at more recently published materials, but not to the exclusion of older published materials. This is true also when considering the age of the actual text being studied vis à vis the date of the scholar's publication. The literary and mediated genre of fantasy and science fiction is a living not a static one, and the corpus of primary texts potentially to be studied continues to grow and expand with changes in definitions, the inventiveness of the creators, and the widening of linguistic and geographical territories to explore. This is an important consideration for those who have the care and management of the current and historical collections of this and other materials.

7.3. *The Fellowship of the Ring: Referenced Primary Authors: General*

Characteristics

Creators, or authors, of primary works generally work alone, though some works are created by pairs of authors, or even less commonly by larger groups as with mediated materials. When known, authors may be characterized by their accepted or apparent gender, and often by their nationality; such category distinctions may be important aspects of study by scholars.

7.3.1. *Sisters of Tomorrow and Little Green Men: The Gendered Primary Authors Referenced*

C.08. *By gender, what is the frequency and distribution of primary creative authors formally or informally referenced?*

In recent decades, the characterization of an individual's gender has become a more socially, emotionally, or politically loaded issue than it had been previously. When labelling the gender of primary work authors referenced in the articles, this dissertator has followed the lead of the article authors whenever possible, and that of reference work authorities otherwise. Little known creators who signed their work using initials which could not be expanded into names, or those unknowns using fanciful names have their gender ascription given as Unknown; for collectively authored media materials (see *Data Elements Issues* in section 7.1.1.) and religious texts the identification was given as Collaborative Works. Individuals publishing referenced work with a pseudonym or a publishers' house name were dealt with in two ways: when the real name behind the

pseudonym or house name was known and noted by the scholar-author of the source article, then that real name and gender was captured and used; when the real name behind the pseudonym or house name was either unknown or was not identified by the scholar-author, then the gender is given as Unknown. When a primary work was authored by more than one author, each author was afforded a full and equal credit, as was done previously for the scholar-authors (section 6.5. above). To examine the potential influence of the scholars' genders on the primary authors referenced, the data has been divided by female only authored articles (281 solo scholar-authored articles + 2 co-authorships=283 articles total), male only authored articles (628 solo + 10 multiple authorships=639 articles total), and 15 mixed gender scholar co-authorships.

For all 937 articles (Table 7.3.1.a. below), male creative authors were referenced 4.72 times for every one reference to a female creator (10,678 references vs. 2,261, or 69.04% vs. 14.62%) regardless of the gender of the scholar(s). The most striking difference noted is the proportion of female creatives referenced by the female scholars either as solo or co-authoring (31.05%) when compared with the female creatives referenced by the male only authored articles (8.61%). The articles with mixed gender scholar co-authorships fell in-between the single gender scholar-author combinations, with 16.84% female creatives referenced. The Collaborative Works items referenced (2,153 references; 13.92%) are nearly as numerous as the female creator references although this is due primarily to the decision to categorize film and broadcast items as Collaborative Works since so many different individuals (or none at all) could have been bibliographically credited by the scholars as authors of various stripes of these primary works (directors, scriptwriters, producers, etc.).

Table 7.3.1.a.:
Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
Category: SOLO FEMALE Referencing Scholar-Authors (281 Articles)														
Female		7	55	43	227	99	272	82	290	168	844	399	1,243	30.98%
Male		113	276	240	314	225	332	189	282	218	1,204	985	2,189	54.56%
Unknown Gender		2	1	7	5	6	4	10	19	40	29	65	94	2.34%
Collaborative Works		4	5	87	10	48	46	70	77	139	138	348	486	12.11%
Totals	0	126	337	377	556	378	654	351	668	565	2,215	1,797	4,012	100.0%
Category: MULTIPLE FEMALE Referencing Scholar-CoAuthors (2 Articles)														
Female				3			6	1			6	4	10	41.67%
Male				12								12	12	50.00%
Unknown Gender														
Collaborative Works				2								2	2	8.33%
Totals	0	0	0	17	0	0	6	1	0	0	6	18	24	100.0%
Category: Totals ALL FEMALE Referencing Scholar-Authors (283 Articles)														
Female		7	55	46	227	99	278	83	290	168	850	403	1,253	31.05%
Male		113	276	252	314	225	332	189	282	218	1,204	997	2,201	54.53%
Unknown Gender		2	1	7	5	6	4	10	19	40	29	65	94	2.33%
Collaborative Works		4	5	89	10	48	46	70	77	139	138	350	488	12.09%
Totals	0	126	337	394	556	378	660	352	668	565	2,221	1,815	4,036	100.0%

**Table 7.3.1.a. (continued):
Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles**

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
Category: SOLO MALE Referencing Scholar-Authors (629 Articles)														
Female	1	14	24	44	113	86	151	88	262	156	551	388	939	8.58%
Male	160	315	392	894	1,033	1,089	1,092	1,133	1,047	987	3,724	4,418	8,142	74.39%
Unknown Gender	2	3	6	35	40	44	13	43	42	37	103	162	265	2.42%
Collaborative Works	2	13	31	67	139	309	183	252	236	367	591	1,008	1,599	14.61%
Totals	165	345	453	1,040	1,325	1,528	1,439	1,516	1,587	1,547	4,969	5,976	10,945	100.0%
Category: MULTIPLE MALE Referencing Scholar-CoAuthors (10 Articles)														
Female	1	1		1		16			1	1	2	19	21	10.45%
Male	9	46		13	20	15	13	29	8	11	50	114	164	81.59%
Unknown Gender		1		1								2	2	1.00%
Collaborative Works		5		1	7	1					7	7	14	6.97%
Totals	10	53	0	16	27	32	13	29	9	12	59	142	201	100.0%
Category: Totals ALL MALE Referencing Scholar-Authors (639 Articles)														
Female	2	15	24	45	113	102	151	88	263	157	553	407	960	8.61%
Male	169	361	392	907	1,053	1,104	1,105	1,162	1,055	998	3,774	4,532	8,306	74.52%
Unknown Gender	2	4	6	36	40	44	13	43	42	37	103	164	267	2.40%
Collaborative Works	2	18	31	68	146	310	183	252	236	367	598	1,015	1,613	14.47%
Totals	175	398	453	1,056	1,352	1,560	1,452	1,545	1,596	1,559	5,028	6,118	11,146	100.0%

**Table 7.3.1.a. (continued):
Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles**

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
Category: Totals ALL MIXED GENDER Referencing Scholar-CoAuthors (15 Articles)														
Female			1		3	8	9	3	21	3	34	14	48	16.84%
Male			23	27	12	68	10	4	7	20	52	119	171	60.00%
Unknown Gender				3	1	1		1		8	1	13	14	4.91%
Collaborative Works				2		34		5	1	10	1	51	52	18.25%
Totals	0	0	24	32	16	111	19	13	29	41	88	197	285	100.0%
Totals: ALL Referencing Scholar-Authors (All 937 Articles)														
Female	2	22	80	91	343	209	438	174	574	328	1,437	824	2,261	14.62%
Male	169	474	691	1,186	1,379	1,397	1,447	1,355	1,344	1,236	5,030	5,648	10,678	69.04%
Unknown Gender	2	6	7	46	46	51	17	54	61	85	133	242	375	2.42%
Collaborative Works	2	22	36	159	156	392	229	327	314	516	737	1,416	2,153	13.92%
Totals	175	524	814	1,482	1,924	2,049	2,131	1,910	2,293	2,165	7,337	8,130	15,467	100.0%

For: Formally Referenced (Works Cited or Notes); **Inf:** Informally Referenced (In-Text or Annotations); **% Cat** is % of each Category, e.g., Solo Female Referencing Scholar-Authors.

Note: For co-authored primary works, each author is counted (whole count, not fractional).

Note: Unknown Gender are both anonymous and pseudonymous authors, named authors whose gender is undetermined, and groups of individuals under a collective name. House names are counted as Unknown Gender unless the underlying author was known and noted in the article.

Note: Collaborative Works includes media materials, comics and graphic novels, and religious texts without authors.

Table 7.3.1.b. below presents the data from Table 7.3.1.a. above in a slightly different form, with the primary author gender configurations and the collaborative primary works with the numbers and the proportions given both on a decadal basis within each scholarly grouping (Female, Male, and Mixed Gender scholars) and for the overall decadally based data. There are also decadal summary totals of formal and informal references given for each primary author configuration relative to the scholarly groups. These presentations may make it easier to see that, whether formally or informally referenced, the proportion of references given by the female scholars to female creative authors rose by the third decade to more than one-third of the primary references given by these scholars; consequently, the proportion of references given by the female scholars to male creatives was noticeably less than the proportion given by male scholars. For the male scholars, by contrast, while they did increase the proportion of the references they gave to female creatives somewhat decade-by-decade, the rise was far less steep and ultimately those proportions were on a very much smaller scale than that of the female scholars. As in many disciplines, some of these female scholars have taken the lead and been particularly diligent in discussing, writing, and speaking about the works and achievements of their 'sisters of tomorrow' and in the rediscovery and recovery of some of these less known, even (temporarily) forgotten, F&SF authors and works.

Table 7.3.1.b.:

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
Category: Decadal Totals ALL FEMALE Referencing Scholar-Authors (283 Articles)														
# Female P Au Refs		7	55	46	227	99	278	83	290	168	850	403	1,253	31.05%
% F Sch Dec Refs		5.6%	16.3%	11.7%	40.8%	26.2%	42.1%	23.6%	43.4%	29.7%	38.3%	22.2%	31.05%	
% All Dec Refs		1.3%	6.8%	3.1%	11.8%	4.8%	13.0%	4.3%	12.6%	7.8%	11.6%	5.0%	8.1%	
Dec # F P Au	7		101		326		361		458		1,253			
Tot % F Sch Dec Refs	5.6%		13.8%		34.9%		35.7%		37.1%		31.05%			
% All Dec Refs	1.0%		4.4%		8.2%		8.9%		10.3%		8.1%			
# Male P Au Refs		113	276	252	314	225	332	189	282	218	1,204	997	2,201	54.53%
% F Sch Dec Refs		89.7%	81.9%	64.0%	56.5%	59.5%	50.3%	53.7%	42.2%	38.6%	54.2%	54.9%	54.53%	
% All Dec Refs		21.6%	33.9%	17.0%	16.3%	11.0%	15.6%	9.9%	12.3%	10.1%	16.4%	12.3%	14.2%	
Dec # Male P Au	113		528		539		521		500		2,201			
Tot % F Sch Dec Refs	89.7%		72.2%		57.7%		51.5%		40.6%		54.53%			
% All Dec Refs	16.2%		23.0%		13.6%		12.9%		11.2%		14.2%			
# Unkn Gdr P Au Refs		2	1	7	5	6	4	10	19	40	29	65	94	2.33%
% F Sch Dec Refs		1.6%	0.3%	1.8%	0.9%	1.6%	0.6%	2.8%	2.8%	7.1%	1.3%	3.6%	2.33%	
% All Dec Refs		0.4%	0.1%	0.5%	0.3%	0.3%	0.2%	0.5%	0.8%	1.8%	0.4%	0.8%	0.6%	
Dec # Unkn Gdr P Au	2		8		11		14		59		94			
Tot % F Sch Dec Refs	1.6%		1.1%		1.2%		1.4%		4.8%		2.33%			
% All Dec Refs	0.3%		0.3%		0.3%		0.3%		1.3%		0.6%			

Table 7.3.1.b. (continued):

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
# Collab Wks Refs		4	5	89	10	48	46	70	77	139	138	350	488	12.09%
% F Sch Dec Refs		3.2%	1.5%	22.6%	1.8%	12.7%	7.0%	19.9%	11.5%	24.6%	6.2%	19.3%	12.09%	
% All Dec Refs		0.8%	0.6%	6.0%	0.5%	2.3%	2.2%	3.7%	3.4%	6.4%	1.9%	4.3%	3.2%	
Dec # Collab Wks	4		94		58		116		216		488			
Tot % F Sch Dec Refs	3.2%		12.9%		6.2%		11.5%		17.5%		12.09%			
% All Dec Refs	0.6%		4.1%		1.5%		2.9%		4.8%		3.2%			
F Sch Total (For | Inf)	0	126	337	394	556	378	660	352	668	565	2,221	1,815	4,036	100.0%
% All Decadal Refs	0.0%	24.0%	41.4%	26.6%	28.9%	18.4%	31.0%	18.4%	29.1%	26.1%	30.3%	22.3%	26.09%	
F Sch Total (For+Inf)	126		731		934		1,012		1,233		4,036			
% All Decadal Refs	18.0%		31.8%		23.5%		25.0%		27.7%		26.09%			
Category: Decadal Totals ALL MALE Referencing Scholar-Authors (639 Articles)														
# Female P Au Refs	2	15	24	45	113	102	151	88	263	157	553	407	960	8.61%
% M Sch Dec Refs	1.1%	3.8%	5.3%	4.3%	8.4%	6.5%	10.4%	5.7%	16.5%	10.1%	11.0%	6.7%	8.61%	
% All Dec Refs	1.1%	2.9%	2.9%	3.0%	5.9%	5.0%	7.1%	4.6%	11.5%	7.3%	7.5%	5.0%	6.2%	
Dec # F P Au	17		69		215		239		420		960			
Tot % M Sch Dec Refs	3.0%		4.6%		7.4%		8.0%		13.3%		8.6%			
% All Dec Refs	2.4%		3.0%		5.4%		5.9%		9.4%		6.2%			

Table 7.3.1.b. (continued):

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
# Male P Au	169	361	392	907	1,053	1,104	1,105	1,162	1,055	998	3,774	4,532	8,306	74.52%
% M Sch Dec Refs	96.6%	90.7%	86.5%	85.9%	77.9%	70.8%	76.1%	75.2%	66.1%	64.0%	75.1%	74.1%	74.52%	
% All Dec Refs	96.6%	68.9%	48.2%	61.2%	54.7%	53.9%	51.9%	60.8%	46.0%	46.1%	51.4%	55.7%	53.7%	
Dec # M P Au	530		1,299		2,157		2,267		2,053		8,306			
Tot % M Sch Dec Refs	92.5%		86.1%		74.1%		75.6%		65.1%		74.5%			
% All Dec Refs	75.8%		56.6%		54.3%		56.1%		46.1%		53.7%			
# Unkn Gdr P Au Refs	2	4	6	36	40	44	13	43	42	37	103	164	267	2.40%
% M Sch Dec Refs	1.1%	1.0%	1.3%	3.4%	3.0%	2.8%	0.9%	2.8%	2.6%	2.4%	2.0%	2.7%	2.40%	
% All Dec Refs	1.1%	0.8%	0.7%	2.4%	2.1%	2.1%	0.6%	2.3%	1.8%	1.7%	1.4%	2.0%	1.7%	
Dec # Unkn Gdr P Au	6		42		84		56		79		267			
Tot % M Sch Dec Refs	1.0%		2.8%		2.9%		1.9%		2.5%		2.4%			
% All Dec Refs	0.9%		1.8%		2.1%		1.4%		1.8%		1.7%			
# Collab Wks Refs	2	18	31	68	146	310	183	252	236	367	598	1,015	1,613	14.47%
% M Sch Dec Refs	1.1%	4.5%	6.8%	6.4%	10.8%	19.9%	12.6%	16.3%	14.8%	23.5%	11.9%	16.6%	14.47%	
% All Dec Refs	1.1%	3.4%	3.8%	4.6%	7.6%	15.1%	8.6%	13.2%	10.3%	17.0%	8.2%	12.5%	10.4%	
Dec # Collab Wks	20		99		456		435		603		1,613			
Tot % M Sch Dec Refs	3.5%		6.6%		15.7%		14.5%		19.1%		14.5%			
% All Dec Refs	2.9%		4.3%		11.5%		10.8%		13.5%		10.4%			

Table 7.3.1.b. (continued):

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
M Sch Total (For | Inf)	175	398	453	1,056	1,352	1,560	1,452	1,545	1,596	1,559	5,028	6,118	11,146	100.0%
% All Decadal Refs	100.0%	76.0%	55.7%	71.3%	70.3%	76.1%	68.1%	80.9%	69.6%	72.0%	68.5%	75.3%	72.06%	
M Sch Total (For+Inf)	573		1,509		2,912		2,997		3,155		11,146			
% All Decadal Refs	82.0%		65.7%		73.3%		74.2%		70.8%		72.06%			
Category: Decadal Totals ALL MIXED GENDER Referencing Scholar-CoAuthors (15 Articles)														
# Female P Au Refs			1		3	8	9	3	21	3	34	14	48	16.84%
% MG Sch Dec Refs			4.2%		18.8%	7.2%	47.4%	23.1%	72.4%	7.3%	38.6%	7.1%	16.84%	
% All Dec Refs			0.1%		0.2%	0.4%	0.4%	0.2%	0.9%	0.1%	0.5%	0.2%	0.3%	
Dec # F P Au			1		11		12		24		48			
Tot % MG Sch Dec Ref			1.8%		8.7%		37.5%		34.3%		16.8%			
% All Dec Refs			0.0%		0.3%		0.3%		0.5%		0.3%			
# Male P Au			23	27	12	68	10	4	7	20	52	119	171	60.00%
% MG Sch Dec Refs			95.8%	84.4%	75.0%	61.3%	52.6%	30.8%	24.1%	48.8%	59.1%	60.4%	60.00%	
% All Dec Refs			2.8%	1.8%	0.6%	3.3%	0.5%	0.2%	0.3%	0.9%	0.7%	1.5%	1.1%	
Dec # M P Au			50		80		14		27		171			
Tot % MG Sch Dec Ref			89.3%		63.0%		43.8%		38.6%		60.0%			
% All Dec Refs			2.2%		2.0%		0.3%		0.6%		1.1%			

Table 7.3.1.b. (continued):

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
# Unkn Gdr P Au Refs				3	1	1		1		8	1	13	14	4.91%
% MG Sch Dec Refs				9.4%	6.3%	0.9%		7.7%		19.5%	1.1%	6.6%	4.91%	
% All Dec Refs				0.2%	0.1%	0.0%		0.1%		0.4%	0.0%	0.2%	0.1%	
Dec # Unkn Gdr P Au			3		2		1		8		14			
Tot % MG Sch Dec Ref			5.4%		1.6%		3.1%		11.4%		4.9%			
% All Dec Refs			0.1%		0.1%		0.0%		0.2%		0.1%			
# Collab Wks Refs				2		34		5	1	10	1	51	52	18.25%
% MG Sch Dec Refs				6.3%		30.6%		38.5%	3.4%	24.4%	1.1%	25.9%	18.25%	
% All Dec Refs				0.1%		1.7%		0.3%	0.0%	0.5%	0.0%	0.6%	0.3%	
Dec # Collab Wks			2		34		5		11		52			
Tot % MG Sch Dec Ref			3.6%		26.8%		15.6%		15.7%		18.2%			
% All Dec Refs			0.1%		0.9%		0.1%		0.2%		0.3%			
MG Sch Tot (For | Inf)	0	0	24	32	16	111	19	13	29	41	88	197	285	100.0%
% All Decadal Refs	0.0%	0.0%	2.9%	2.2%	0.8%	5.4%	0.9%	0.7%	1.3%	1.9%	1.2%	2.4%	1.84%	
MG Sch Tot (For+Inf)	0		56		127		32		70		285			
% All Decadal Refs	0.0%		2.4%		3.2%		0.8%		1.6%		1.84%			

Table 7.3.1.b. (continued):

Gender: Referencing Scholar-Authors and Primary Authors Referenced in Extrapolation Articles, Decadal Totals

Primary Author Referenced	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		TOTAL : 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	% Cat
Decadal Totals: ALL Referencing Scholar-Authors (All 937 Articles)														
# Female P Au Refs	2	22	80	91	343	209	438	174	574	328	1,437	824	2,261	14.62%
% All Decadal Refs	1.1%	4.2%	9.8%	6.1%	17.8%	10.2%	20.6%	9.1%	25.0%	15.2%	19.6%	10.1%	14.6%	
Dec # F P Au	24		171		552		612		902		2,261			
% All Dec Refs	3.4%		7.4%		13.9%		15.1%		20.2%		14.6%			
# Male P Au	169	474	691	1,186	1,379	1,397	1,447	1,355	1,344	1,236	5,030	5,648	10,678	69.04%
% All Decadal Refs	96.6%	90.5%	84.9%	80.0%	71.7%	68.2%	67.9%	70.9%	58.6%	57.1%	68.6%	69.5%	69.0%	
Dec # M P Au	643		1,877		2,776		2,802		2,580		10,678			
% All Dec Refs	92.0%		81.8%		69.9%		69.3%		57.9%		69.0%			
# Unkn Gdr P Au Refs	2	6	7	46	46	51	17	54	61	85	133	242	375	2.42%
% All Decadal Refs	1.1%	1.1%	0.9%	3.1%	2.4%	2.5%	0.8%	2.8%	2.7%	3.9%	1.8%	3.0%	2.4%	
Dec # Unkn Gdr P Au	8		53		97		71		146		375			
% All Dec Refs	1.1%		2.3%		2.4%		1.8%		3.3%		2.4%			
# Collab Wks Refs	2	22	36	159	156	392	229	327	314	516	737	1,416	2,153	13.92%
% All Decadal Refs	1.1%	4.2%	4.4%	10.7%	8.1%	19.1%	10.7%	17.1%	13.7%	23.8%	10.0%	17.4%	13.9%	
Dec # Collab Wks	24		195		548		556		830		2,153			
% All Dec Refs	3.4%		8.5%		13.8%		13.8%		18.6%		13.9%			
Total Refs (For | Inf)	175	524	814	1,482	1,924	2,049	2,131	1,910	2,293	2,165	7,337	8,130	15,467	100.0%
Totals (For + Inf)	699		2,296		3,973		4,041		4,458		15,467			

Note: Abbreviations as in Table 7.3.1.a.

7.3.2. The Martian, or, Citizen of the Galaxy: The National or Country Affiliation(s) of Primary Authors Referenced

C.09. By national or country affiliation(s), what is the frequency and distribution of primary creative authors formally or informally referenced?

Nationality or citizenship can be a simple issue, or a complex one. If an individual is born, grows up, and dies in a particular country, that person is usually considered to be and considers him-/her-/them-self to be a citizen of that country or of that nationality, but people's personal histories are not always so simple. One might be born in one country, (Isaac Asimov in Russia), or be the child of a medical missionary parent (Manly Wade Wellman born in Portuguese West Africa, now, Angola), or one's father might be an artist and art teacher at a school far from his birthplace (Rudyard Kipling, born in India of English parents). Then, one's family might immigrate while one is quite young and be naturalized and spend the rest of one's life in a new country (Asimov in the United States), or one might be educated in and spend most if not all of one's adult life in the country of one's parents (Wellman in the United States), or be educated in the 'home country' (Kipling in England) while spending part of one's adult life in one's birth country and at other times in the parental home country or even at a home in a third country (Kipling, in India, England, and the United States). Is Asimov Russian, Wellman Angolan, or Kipling Indian or American? Or are the first two usually considered as Americans, and the third English albeit with Indian roots which fed his creativity? Then there are those born and raised in one country who spend much or all of their adult lives in another, e.g. Arthur C. Clarke, born, raised, educated, worked, and

wrote in England who spent most of the latter part of his adult life living and writing in Sri Lanka. Then there is the question of the shifting of national boundaries during an individual's lifetime--what is one's affiliation?

For the purpose of this section, those creative authors who were born, raised, and live (or lived) in one country were considered to have one nationality or country affiliation, although they may have visited other countries or taken educational or research leaves outside their own countries. Those who were born, raised, and/or live(d) for such extended periods in more than one country, particularly as adults, that it was noted in the reference works consulted for this determination are considered to have two (or occasionally more) national or country affiliations. Table 7.3.2. below provides a summary of the more detailed information to be found in Appendix H for the groups of individuals: Female (366 individuals); Male (1,609); a group of the gender unknown (9) individuals with the pseudonymous (35) and named group (16) authors (e.g., Beatles); and the anonymous works (162) together with the 5 groups of anonymous co-authors, co-editors, and adaptors. The Female and Male creatives are further subdivided into single, multiple, and unknown country affiliations, while the remainder all are categorized as unknown affiliations. For each decade and for the totals, the number of formal and informal primary references given to these creative individuals and groups are provided.

The majority of authors of primary works could be categorized as affiliated with one or more countries: Females at 95.08% and 17.62% (348 of 366 Females; 348 of all 1,975 Females or Males), Males at 97.27% and 79.24% (1,565/1,609; 1,565/1,975), while their referenced primary works constituted 99.08% and 17.39% for Female

**Table 7.3.2.:
Country/National Affiliations: Primary Authors Referenced: Gender and Single/Multiple Affiliations:
Number of Primary Works References, by *Extrapolation* Decade**

Primary Work Authors & Type of Country or National Affiliation(s)	# Au	D1: v1 - 10 1959 - 1969			D2: v11 - 20 1969 - 1979			D3: v21 - 30 1980 - 1989			D4: v31 - 40 1990 - 1999			D5: v41 - 50 2000 - 2009			TOTAL: v1 - 50 1959 - 2009		
		# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs		
		# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs
Female: Single Country Affil'n	314	2	20	22	74	83	157	314	194	508	343	145	488	523	303	826	1,256	745	2,001
Female: Multiple Country Affil'ns	34		2	2	7	8	15	29	13	42	94	28	122	45	24	69	175	75	250
Female: Unknown Country Affil'ns	18				1	1	2	1	2	3	4	2	6	6	4	10	12	9	21
ALL FEMALE:	366	2	22	24	82	92	174	344	209	553	441	175	616	574	331	905	1,443	829	2,272
Male: Single Country Affil'n	1,394	135	385	520	579	948	1,527	1,092	1,121	2,213	1,223	1,146	2,369	1,141	1,065	2,206	4,170	4,665	8,835
Male: Multiple Country Affil'ns	171	33	88	121	106	234	340	280	263	543	212	207	419	196	164	360	827	956	1,783
Male: Unknown Country Affil'ns	44	1	1	2	4	3	7	6	14	20	9	2	11	7	4	11	27	24	51
ALL MALE:	1,609	169	474	643	689	1,185	1,874	1,378	1,398	2,776	1,444	1,355	2,799	1,344	1,233	2,577	5,024	5,645	10,669
ALL GU, UGP, UPS: Unk Aff'n	60	1	2	3	1	9	10	38	7	45	5	12	17	42	35	77	87	65	152
Anon Wks & UGAE: Unk Aff'n	167	1	4	5	6	37	43	8	44	52	12	42	54	19	51	70	46	178	224

**Table 7.3.2. (continued):
Country/National Affiliations: Primary Authors Referenced: Gender and Single/Multiple Affiliations:
Number of Primary Works Referenced, by *Extrapolation* Decade**

PWork Aus & Affiliation(s)	# Au	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
		For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
ALL Single Country Affil'ns	1,708	137	405	542	653	1,031	1,684	1,406	1,315	2,721	1,566	1,291	2,857	1,664	1,368	3,032	5,426	5,410	10,836
ALL Multiple Country Affil'ns	205	33	90	123	113	242	355	309	276	585	306	235	541	241	188	429	1,002	1,031	2,033
ALL Country Affil'ns	1,913	170	495	665	766	1,273	2,039	1,715	1,591	3,306	1,872	1,526	3,398	1,905	1,556	3,461	6,428	6,441	12,869
ALL Unknown Country Affil'ns	289	3	7	10	12	50	62	53	67	120	30	58	88	74	94	168	172	276	448
TOTAL: ALL Country & Unknown Affiliations	2,202	173	502	675	778	1,323	2,101	1,768	1,658	3,426	1,902	1,584	3,486	1,979	1,650	3,629	6,600	6,717	13,317

Reference Abbreviations: For: Formal References; Inf: Informal References; Co: Countr(y)ies); Unk Aff: Unknown Affiliation(s).

Primary Author Abbreviations: F: Female; M: Male; GU: Gender Unknown (9); UPS: Pseudonymous authors (Unknown real name; unknown gender; 35); UGP: Collective groups (e.g., Beatles; 16); UGAE: groups of Anonymous co-authors, co-editors, and/or adaptors (5); Anon Wks: Anonymous Works (162). # Au: Number of Primary Work Authors (by gender) affiliated with a single country or with multiple countries.

Note: For more details on numbers related to particular country or national affiliations, please consult Appendix H.

authors (2,251 of all 2,272 Female authored and of all 12,941 Female or Male authored works referenced), and 99.52% and 82.05% for Males (10,618 of 10,669 Male authored works and of all 12,941 references). Thus, fewer than one in every twenty authors, Male or Female, have multiple country or national affiliations, and a likewise, less than one in every hundred referenced primary works as well.

Should a librarian or archivist wish to focus a local collection on a specific country (or even linguistic tradition), it would appear that the information is available to do so and that most authors and their works may be considered to be affiliated with a particular singular country. To see which particular country or countries are represented in the primary references given by *Extrapolation's* scholar-authors, turn to the details provided in Appendix H. For each country represented, one can find the number of referenced Female and Male authors and the number of times per decade they are referenced; these figures are divided by those with a singular affiliation with the country named and those with additional affiliations with the other affiliated countries noted.

As could have been easily predicted, the country with which the most primary authors are affiliated is the United States with 1,084 individuals divided into the 219 Female and 733 Male authors with affiliation solely to the US, and the 24 Females and 108 Males with additional affiliations to 27 other countries; there is a combined total of 8,050 primary references given to the works of these authors. The United Kingdom and its constituent parts is affiliated with 495 individuals (68 Female and 317 Male authors solo; 17 and 93 multiple affiliations) with 3,656 references given to their works, and with 28 other affiliated countries. The remaining countries in a 'Top Ten' are either primarily Anglophone or European: France (95 individuals; 327 primary works references; 14

other affiliated countries), Germany (64; 187; 8), Canada (53; 453; 9), Russia (48; 471; 4), Italy (39; 121; 6); Australia (32; 98; 5), Eire (28; 262; 5); and Hungary (16; 24; 1).

7.4. A Game of Thrones: Creative Primary Authors and Works: The Specifics: Core vs Neglected?

7.4.1. Witches and Wizards, Spell-books and Philosopher's Stones: The Core Primary Authors and Works Referenced

C.10. Which authors or creators of primary works are most frequently formally or informally referenced; is there a core? What specific primary works of these creators are most frequently referenced; is there a core of referenced primary works?

Beyond the generalities of the categories of type of publications and publication sources, the languages, and the dates and ages, of primary works, as well as the gender and national affiliations of the primary work creators, bibliometric studies in the arts and humanities may also report on which particular creators and even which specific primary works are most frequently referenced in the source documents examined, as well as which are the most frequently referenced journals or secondary works. For example, **Budd** in his dissertation reports on the 16 “most frequently cited primary works” (frequency=5-10), as well as on the 30 “most frequently cited periodical titles” (frequency=11-52), and on the 17 “most frequently cited secondary works” (frequency=4-9) (**1985: 140, 132, 142-143**). As with other factors discussed above, such as literary form or age of publication, identification of the most frequently referenced creators, and creations, might be of use to those responsible for collections development and management, particularly with literary or media studies collections, in

academic or very large public libraries; they might even be compared with various lists of recommended, core, or canonical works.

7.4.1.1. *Tricksters and Unicorns: The Most Frequently Referenced*

Creative Authors

After reviewing my data, and that found in other humanities bibliometric studies, it was decided, perhaps somewhat arbitrarily, that the most frequently referenced primary works authors would be those whose primary works had accumulated a total of twenty or more references over the first fifty years of *Extrapolation's* existence, and that the most frequently referenced individual primary works would be those which had accumulated at least ten such references in the same period. Consequently, there are 118 most frequently referenced individual creators (5.85% of the 2,035 different creators referenced) identified in Table 7.4.1.1. below, from the first ranked Ursula K. Le Guin, with 563 references to 105 different works as found in 137 of the 937 articles analyzed, second ranked Robert A. Heinlein (519 references; 90 works; 107 articles) and third ranked H. G. Wells (328 references; 52 works; 142 articles), down to the seven authors, at the sixty-seventh rank, who received 20 primary works references each (3-16 works referenced in 6-18 articles). The 7,732 references to these 118 individuals encompassed 59.05% of the 13,093 references to primary works, and their 2,819 works were 41.69% of the 6,762 identified works by named authors. The term 'works' as used here includes not only individually titled creative works, but also series titles by which the creative authors or the scholar-authors may refer to works collectively without necessarily referring to any individual work within a series, e.g., Le Guin's *Earthsea*

Table 7.4.1.1.:
Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Authors, Named: Female, Male, Gender Unknown, and Pseudonymous																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035	670	480	2,058	1,301	3,374	2,221	3,432	2,387	3,559	2,341	13,093	6,771		
Le Guin, Ursula K.	F	1			41	16	123	29	110	50	289	87	563	105	R: 01	A=137
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	12	9	58	23	59	30	181	67	209	73	519	90	R: 02	A=107
Wells, H. G.	M	1	68	20	75	19	57	25	67	23	61	16	328	52	R: 03	A=142
Asimov, Isaac	M	1	6	6	62	25	94	53	70	28	47	27	279	86	R: 04	A=099
Dick, Philip K.	M	1	1	1	28	22	42	24	58	30	100	48	229	64	R: 05	A=053
Clarke, Arthur C. [aka: Willis, Charles]	M	1	8	2	29	8	140	51	31	17	20	10	227	61	R: 06	A=079
Shakespeare, William	M	1	1	1	16	10	29	12	104	44	23	14	173	52	R: 08	A=075
Lovecraft, H. P.	M	1	3	3			88	54	16	15	55	39	162	67	R: 09	A=021
Bradbury, Ray	M	1	4	2	36	16	19	10	28	15	26	14	113	32	R: 10	A=059
Delany, Samuel R. [aka: Kermit, S. L.]	M	1	1	1	24	7	47	21	6	4	35	16	113	30	R: 10	A=052
Lem, Stanisław	M	1	1	1	50	26	24	15	14	9	21	13	110	42	R: 11	A=033

Table 7.4.1.1. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Zelazny, Roger	M	1	1	1	13	8	23	17	55	48	16	15	108	68	R: 12	A=024
Tiptree, James, Jr. [pso: Sheldon, Alice; aka: Sheldon, Racoon]	F	1			1	1	52	28	14	12	40	19	107	36	R: 13	A=021
Lewis, C. S.	M	1	9	3	27	7	26	9	17	9	27	22	106	23	R: 14	A=047
Merril, Judith [aka: Sharon, Rose; 1/2 of Judd, Cyril]	F	1	2	2	4	4	6	3	80	49	12	6	104	51	R: 15	A=020
Herbert, Frank	M	1			34	12	30	11	23	10	11	2	98	19	R: 16	A=053
Pohl, Frederik [aka: MacCreigh, James]	M	1	3	2	22	13	15	9	39	21	17	14	96	43	R: 17	A=040
Silverberg, Robert	M	1	2	2	39	25	29	25	21	20	4	4	95	51	R: 18	A=036
Tolkien, J. R. R. [John Ronald Reuel]	M	1	1	1	19	5	26	9	20	10	27	9	93	17	R: 19	A=054
Orwell, George	M	1	10	2	16	2	23	3	21	2	17	2	87	3	R: 20	A=079
Huxley, Aldous	M	1	17	5	29	4	14	3	13	5	13	3	86	8	R: 21	A=069
Vonnegut, Kurt, Jr.	M	1	7	3	29	9	12	4	22	13	12	10	82	20	R: 22	A=048
Campbell, John W., Jr. [aka: Don A. Stuart]	M	1	1	1	65	45	7	5	4	3	4	2	81	47	R: 23	A=023
Blish, James	M	1	1	1	35	20	27	20	14	11			77	32	R: 24	A=025

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Shelley, Mary Wollstonecraft	F	1	2	1	13	3	18	2	20	3	24	3	77	3	R: 24	A=067
Kornbluth, C. M. [aka: 1/2 of Judd, Cyril]	M	1	2	1	36	26	11	5	18	9	7	4	74	31	R: 25	A=030
Verne, Jules	M	1	2	2	3	3	12	9	27	15	30	21	74	34	R: 25	A=025
Williamson, Jack	M	1	1	1	2	2	34	26	33	23	3	3	73	45	R: 26	A=018
Ellison, Harlan	M	1	2	2	20	13	12	7	29	18	6	4	69	29	R: 27	A=028
Gibson, William	M	1					2	2	35	10	31	10	68	14	R: 28	A=041
Simak, Clifford	M	1	1	1	13	7	28	26	2	2	23	19	67	44	R: 29	A=018
Borges, Jorge Luis	M	1	13	10	17	15	24	19	7	6	3	3	64	34	R: 30	A=018
Farmer, Philip José [aka: Trout, Kilgore]	M	1			42	34	3	3	15	14	3	3	63	41	R: 31	A=017
Miéville, China	M	1									63	22	63	22	R: 31	A=015
Ballard, J. G. [James Graham]	M	1	8	5	8	6	8	6	26	23	13	10	62	39	R: 32	A=022
Russ, Joanna	F	1	1	1	4	3	17	6	10	5	28	10	60	16	R: 33	A=044
Sheckley, Robert	M	1	1	1			56	33	3	3			60	36	R: 33	A=006
King, Stephen	M	1					44	23	5	5	10	8	59	31	R: 34	A=011
Bellamy, Edward	M	1	9	3	12	3	19	3	12	3	6	3	58	5	R: 35	A=045
Atwood, Margaret	F	1			31	29			5	2	20	6	56	35	R: 36	A=019

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Wyndham, John	M	1	1	1	4	3	8	6	3	2	40	19	56	23	R: 36	A=016
Burroughs, Edgar Rice	M	1			9	8	27	23	11	9	8	4	55	30	R: 37	A=016
Swift, Jonathan	M	1	4	1	7	1	12	1	20	6	11	5	54	10	R: 38	A=045
Smith, Cordwainer [pso: Linebarger, Paul M. A.; aka: d'Este, Anthony; Forrest, Felix C.]	M	1	3	3	2	1	25	12	7	7	16	11	53	21	R: 39	A=010
Butler, Octavia E.	F	1					10	6	2	2	40	14	52	15	R: 40	A=020
Niven, Larry	M	1			5	5	14	11	19	13	12	11	50	24	R: 41	A=027
Poe, Edgar Allan	M	1			18	16	14	7	12	8	6	6	50	28	R: 41	A=031
Stapledon, Olaf	M	1	8	4	18	9	8	3	12	4	3	2	48	10	R: 42	A=026
Sturgeon, Theodore	M	1	8	6	12	9	23	12	2	2	4	3	48	22	R: 42	A=028
Howard, Robert E.	M	1							43	24	3	1	46	24	R: 43	A=004
Melville, Herman	M	1	4	3	4	1	8	5	24	13	6	4	46	14	R: 43	A=026
Miller, Walter M., Jr.	M	1	4	1	8	2	10	1	21	9	3	1	46	10	R: 43	A=031
van Vogt, A. E. [Alfred Elton]	M	1	1	1	11	6	4	3	23	12	7	7	46	21	R: 43	A=020
Vance, Jack	M	1			5	3	37	35	2	2	1	1	45	37	R: 44	A=011
Gunn, James	M	1					2	2	41	37	1	1	44	37	R: 45	A=009
Haldeman, Joe	M	1					12	9	24	22	7	5	43	27	R: 46	A=012

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
MacDonald, George	M	1	1	1	1	1	18	8	21	11	2	1	43	15	R: 46	A=016
Anderson, Poul	M	1	2	2	10	9	6	5	17	16	7	7	42	31	R: 47	A=022
Bester, Alfred	M	1	4	3	8	4	7	3	22	17	1	1	42	19	R: 47	A=020
Lessing, Doris	F	1			4	3	19	9	15	9	4	3	42	14	R: 47	A=017
More, Thomas, St. Sir	M	1	4	1	10	1	13	1	11	1	4	1	42	1	R: 47	A=036
Aldiss, Brian W.	M	1	2	2	17	10	7	6	4	4	11	10	41	24	R: 48	A=021
Carroll, Lewis [pso: Dodgson, Charles Lutwidge]	M	1	1	1	3	2	8	3	18	14	11	5	41	16	R: 48	A=022
Harrison, Harry	M	1	1	1	9	8	23	16			7	6	40	26	R: 49	A=019
Leiber, Fritz	M	1	4	4	3	3	6	5	24	20	3	3	40	32	R: 49	A=018
Weiss, Jan	M	1							40	30			40	30	R: 49	A=001
Homer	M	1			5	2	12	2	12	2	10	2	39	2	R: 50	A=031
Moorcock, Michael	M	1			2	2	7	4	4	4	26	21	39	28	R: 50	A=015
Moore, C. L. [Catherine Lucille; solo & as 1/2 of Lewis Padgett or O'Donnell, Lawrence]	F	1	2	2	1	1	8	7	9	7	19	8	39	19	R: 50	A=016
Gernsback, Hugo	M	1	1	1	10	2	1	1	21	13	5	4	38	14	R: 51	A=013
Wolfe, Gene	M	1			2	1	1	1	20	20	15	12	38	23	R: 51	A=010

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Bear, Greg	M	1					1	1	29	18	6	6	36	21	R: 52	A=009
Hawthorne, Nathaniel	M	1	5	5	4	2	23	16	2	2	2	2	36	17	R: 52	A=022
Piercy, Marge	F	1					16	5	4	1	16	3	36	6	R: 52	A=027
Zamiatin / Zamyatin, Evgenii / Yevgeny	M	1	5	1	7	1	14	3	4	1	6	1	36	3	R: 52	A=031
Eliot, T. S.	M	1	1	1	5	3	10	3	15	7	4	2	35	10	R: 53	A=033
Milton, John	M	1			6	1	13	4	9	3	7	2	35	7	R: 53	A=031
Twain, Mark [pso: Clemens, Samuel Langhorne]	M	1			9	5	10	4	7	2	9	5	35	7	R: 53	A=028
Hoshi Shinichi	M	1					34	32					34	32	R: 54	A=001
Joyce, James	M	1	2	2	12	3	7	3	7	3	6	2	34	4	R: 54	A=028
Robinson, Kim Stanley	M	1							6	4	28	15	34	15	R: 54	A=014
Doyle, Arthur Conan, Sir	M	1	2	2	1	1	1	1	20	15	9	7	33	20	R: 55	A=013
Bleek, Gordon Clive [aka: Belli, Luigi]	M	1									30	28	30	28	R: 57	A=001
Villiers de l'Isle-Adam, Jean-Marie-Mathias- Philippe-Auguste	M	1									30	18	30	18	R: 57	A=001
Burgess, Anthony	M	1	1	1	17	2	4	1	6	3	1	1	29	4	R: 58	A=022

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Campbell, Ramsay	M	1					2	2			27	26	29	28	R: 58	A=002
Dante Alighieri	M	1	1	1	9	3	9	3	4	2	6	3	29	3	R: 58	A=026
del Rey, Lester	M	1	5	4	2	2	15	13	3	1	4	1	29	17	R: 58	A=012
Dunsany, Edward John Moreton Drax Plunkett, Lord	M	1			2	2	4	3	22	20	1	1	29	24	R: 58	A=009
Brunner, John	M	1			12	6	7	3	5	2	4	2	28	7	R: 59	A=022
Butler, Samuel	M	1	20	2	2	1	2	1	3	1	1	1	28	2	R: 59	A=012
Charnas, Suzy McKee	F	1					9	4	3	3	16	8	28	9	R: 59	A=014
Clement, Hal [pso: Stubbs, Harry C.]	M	1			3	2	4	4	18	11	3	3	28	15	R: 59	A=010
Dickson, Gordon R.	M	1	1	1	17	14			9	7	1	1	28	17	R: 59	A=011
Bradley, Marion Zimmer	F	1			2	2	6	4	12	7	7	4	27	13	R: 60	A=017
Ryman, Geoff	M	1									26	12	26	12	R: 61	A=007
Saberhagen, Fred	M	1			23	14			3	3			26	16	R: 61	A=004
Cherryh, C. J. [Carolyn Janice]	F	1					20	17	2	2	3	3	25	21	R: 62	A=006
Bujold, Lois McMaster	F	1							11	9	13	8	24	15	R: 63	A=005
Conrad, Joseph	M	1	2	1	14	9	1	1	5	3	1	1	23	10	R: 64	A=015
Eliot, George	F	1			8	7	11	9	2	2	2	1	23	10	R: 64	A=006

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
James, Henry	M	1	1	1			8	3	6	6	8	5	23	10	R: 64	A=014
Morris, William	M	1	2	2	4	3	4	2	6	4	7	6	23	11	R: 64	A=019
Stevenson, Robert Louis	M	1	1	1	3	1	4	1	4	1	11	4	23	4	R: 64	A=019
Appleton, Victor [ps; when real name not given in text]	PS	1	2	1	1	1	1	1	1	1	17	15	22	15	R: 65	A=007
Calvino, Italo	M	1					1	1	20	17	1	1	22	18	R: 65	A=006
Benford, Gregory	M	1					4	4	11	10	6	3	21	14	R: 66	A=014
De Camp, L. Sprague	M	1	1	1	1	1	1	1	14	14	4	3	21	18	R: 66	A=010
Kafka, Franz	M	1			1	1	8	2	4	4	8	7	21	8	R: 66	A=017
Lee, Tanith	F	1					12	11	7	7	2	2	21	19	R: 66	A=007
Varley, John	M	1					15	11	3	3	3	3	21	15	R: 66	A=011
Boucher, Anthony [pso: White, William Anthony Parker]	M	1					1	1	4	3	15	11	20	14	R: 67	A=007
Elgin, Suzette Haden	F	1					5	5	1	1	14	8	20	11	R: 67	A=010
Forster, E. M.	M	1	3	1	5	2	3	1	5	2	4	2	20	3	R: 67	A=018

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Kuttner, Henry [solo & as 1/2 of Lewis Padgett or O'Donnell, Lawrence]	M	1	2	2	5	4	7	5	5	5	1	1	20	12	R: 67	A=012
McIntyre, Vonda N.	F	1			3	2	14	9	3	2			20	10	R: 67	A=011
Norton, Andre	F	1			5	4	13	10	1	1	1	1	20	16	R: 67	A=010
Peake, Mervyn	M	1					13	6	3	3	4	2	20	6	R: 67	A=006
Authors, Female:																
19 Refs	F	1							18	14	1	1	19	14	R: 68	
18 Refs	F	3			3	2	27	25	2	2	22	19	54	42	R: 69	
17 Refs	F	1			2	2	4	4	4	4	7	5	17	9	R: 70	
15 Refs	F	2	2	1			1	1			27	25	30	26	R: 72	
14 Refs	F	1					9	9	5	5			14	14	R: 73	
13 Refs	F	2			1	1	1	1	5	3	19	15	26	19	R: 74	
12 Refs	F	3					12	9	18	10	6	5	36	18	R: 75	
11 Refs	F	4							23	23	21	19	44	38	R: 76	
10 Refs	F	4			5	4	15	10	6	6	14	11	40	24	R: 77	
09 Refs	F	2			3	1	3	2	12	5			18	5	R: 78	
08 Refs	F	4			2	1	4	2	17	17	9	4	32	23	R: 79	

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
07 Refs	F	7	2	2	4	4	14	12	21	17	8	6	49	32	R: 80	
06 Refs	F	10			1	1	14	12	1	1	44	29	60	39	R: 81	
05 Refs	F	9			4	3	9	6	19	17	13	11	45	34	R: 82	
04 Refs	F	17	2	2	5	4	14	13	23	21	24	21	68	52	R: 83	
03 Refs	F	28	3	3	4	4	6	5	40	36	31	28	84	66	R: 84	
02 Refs	F	43	4	3	2	1	19	16	34	32	27	25	86	70	R: 85	
01 Ref	F	206	4	4	21	21	42	42	57	57	82	82	206	206	R: 86	
Authors, Female, ALL:		366	24	21	174	124	553	333	616	444	905	500	2,272	1,155		
Authors, Male:																
19 Refs	M	10	17	12	19	12	24	11	74	49	56	40	190	84	R: 68	
18 Refs	M	8	2	2	5	4	49	41	64	52	24	20	144	97	R: 69	
17 Refs	M	9	10	9	25	19	25	20	36	29	57	47	153	85	R: 70	
16 Refs	M	4			13	8	15	9	16	13	20	11	64	24	R: 71	
15 Refs	M	10	2	2	21	18	55	40	32	29	40	36	150	96	R: 72	
14 Refs	M	9	3	2	14	7	28	19	47	39	34	27	126	74	R: 73	
13 Refs	M	6	12	12	6	3	21	12	24	18	15	10	78	42	R: 74	
12 Refs	M	15	18	13	17	10	35	26	43	36	67	48	180	98	R: 75	
11 Refs	M	7	12	7	15	14	15	5	19	18	16	14	77	48	R: 76	

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
10 Refs	M	14	30	26	20	12	31	17	33	28	26	17	140	71	R: 77	
09 Refs	M	21	7	7	27	17	79	59	42	38	34	26	189	121	R: 78	
08 Refs	M	24	15	12	31	23	52	39	43	32	51	40	192	107	R: 79	
07 Refs	M	26	10	10	41	30	61	52	24	22	46	35	182	118	R: 80	
06 Refs	M	41	19	17	33	32	49	43	56	49	89	75	246	172	R: 81	
05 Refs	M	46	21	16	39	31	90	78	39	31	41	38	230	158	R: 82	
04 Refs	M	74	22	16	51	43	87	73	74	68	62	51	296	210	R: 83	
03 Refs	M	122	36	34	67	59	98	86	82	77	83	77	366	281	R: 84	
02 Refs	M	235	43	38	74	67	109	102	123	109	121	111	470	381	R: 85	
01 Ref	M	830	64	64	150	150	226	226	152	152	238	238	830	830	R: 86	
Authors, Male, ALL:		1,609	643	457	1,874	1,166	2,776	1,851	2,799	1,926	2,577	1,766	10,669	5,478		
Authors, UG, PS, & Group:																
16 Refs	U	1					15	6	1	1			16	7	R: 71	
13 Refs	U	1					5	5	3	3	5	5	13	10	R: 74	
11 Refs	U	1					11	11					11	11	R: 76	
07 Refs	U	1									7	7	7	7	R: 80	
05 Refs	U	2									10	10	10	10	R: 82	

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
03 Refs	U	4					3	3	2	2	7	7	12	12	R: 84	
02 Refs	U	12			4	3	3	3	5	5	12	12	24	20	R: 85	
01 Ref	U	37	1	1	5	5	7	7	5	5	19	19	37	37	R: 86	
Authors, UG, PS, & Group, ALL:		60	3	2	10	9	45	36	17	17	77	75	152	129		
Female Authors: 20+ Refs		19	7	6	117	75	359	164	311	174	550	194	1,344	424		
Female Authors: 1-19 Refs		347	17	15	57	49	194	169	305	270	355	306	928	731		
Male Authors: 20+ Refs		98	300	158	1,206	607	1,627	893	1,776	1,037	1,457	805	6,366	2,380		
Male Authors: 1-19 Refs		1,511	343	299	668	559	1,149	958	1,023	889	1,120	961	4,303	3,097		
Unknown Gender Authors: 20+ Refs		1	2	1	1	1	1	1	1	1	17	15	22	15		
Unknown Gender Authors: 1-19 Refs		59	1	1	9	8	44	35	16	16	60	60	130	114		
Authors, ALL: ALL Decades		2,035	670	480	2,058	1,299	3,374	2,220	3,432	2,387	3,559	2,341	13,093	6,762		

Table 7.4.1.1. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Female Authors: ALL Decades		366	24	21	174	124	553	333	616	444	905	500	2,272	1,155		
Male Authors: ALL Decades		1,609	643	457	1,874	1,166	2,776	1,851	2,799	1,926	2,577	1,766	10,669	5,478		
UG, PS & Collective Group Authors: ALL Decades		60	3	2	10	9	45	36	17	17	77	75	152	129		
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167	5	5	43	38	52	46	54	46	70	58	224	167		
<i>Beowulf</i> . 8th c.		1	1	1	2	1	5	1	5	1	6	1	19	1	R: 68	A=018
<i>Sir Gawain and the Green Knight</i> . 2nd half 14th c; approx. 1375.		1			2	1	1	1	4	1	2	1	9	1	R: 78	A=009
<i>Arabian Nights, The</i> . 15th c.		1			2	1			2	1	3	1	7	1	R: 80	A=007
<i>Gilgamesh, Epic of</i> . ca. 2100 BCE; English 1917.		1			2	1	1	1	1	1	1	1	5	1	R: 82	A=005

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
<i>Elder or Poetic Edda, The</i> [aka: <i>Saemund's Edda</i>]. ca. 1270.		1			1	1	1	1	1	1	1	1	4	1	R: 83	A=004
03 Refs		4	2	2	2	1	5	3			3	2	12	4	R: 84	
02 Refs		10			3	3	4	4	2	2	11	8	20	10	R: 85	
01 Ref		148	2	2	29	29	35	35	39	39	43	43	148	148	R: 86	
Authors & Anonymous Works, ALL: This Decade		2,202	675	485	2,101	1,337	3,426	2,266	3,486	2,433	3,629	2,399	13,317	6,929		
Authors & Anonymous Works, ALL: ALL Decades		2,202	675	485	2,101	1,337	3,426	2,266	3,486	2,433	3,629	2,399	13,317	6,929		

**Table 7.4.1.1. (continued):
Most Frequently Referenced Primary Authors and Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

Note: Abbreviations: **UG**=Unknown Gender; **PS**=Pseudonymous Authors (Unknown Gender); **Anon Wks**=Anonymous Works (e.g., *Beowulf*) or Anonymous Groupings of Co-Authors, Co-Editors, or Adaptors; **aka**=also known as, used for referenced pseudonyms or real names.

Note: Numbers: **# Primary Refs**=Total number of Formal and Informal references made to the primary author or work in either the individual decade or over the five decades; **# Diff P Wks**=total number of different primary works referenced.

Note: The **Rank** is the relative position of an author, anonymous work, or collaboratively authored work or series based on the relative number of references from most the frequent occurrence (maximum: 563 references; Rank: 01; Le Guin with 563 references) to least frequent (1 reference, either in a decade or overall; Rank: 86; 2,052 individuals or works). Overall Ranks from 01 through 55 are discontinuous (563 references down to 33); the overall ranks from 56 through 86 are continuous (31 references down to 1). The number of ranks in a decade vary.

Note: The **# Diff Articles Ref'd In** is the number of different articles in which the primary author, anonymous work, or collaboratively authored work or series is referenced in either in a Formal or Informal location.

Note: For further details, by decade, on most frequently referenced authors or collaborative works, please see Appendix I and its various parts divided by decades (A.1--A.5. for named authors; B.1.--B.5 for collaborative works; and Part C for a more complete list of most frequently referenced works of the 118 most frequently referenced authors).

series beginning with *A Wizard of Earthsea* (1968). The eighty-six ranks are based collectively a) on the total references received by all the individual creative authors (co-authors receive equal credit for co-authored works), b) on references received by each of the 167 anonymous primary works none of which broke the twenty plus most frequently referenced dividing barrier and only one of which (*Beowulf*) received ten or more references with a total of 19, and c) on the references received by the collaboratively authored works upon which Table 7.4.1.2. further below is based. The ranks from 1-55 (563-33 references) are based on the discontinuous sequence of references received, while ranks 56-86 (31-1 references) are based on a continuous numerical sequence. The far end of these ranks is the eighty-sixth, composed of those 1,073 authors and their respective single works which received but one reference in the 937 analyzed articles during the first fifty years of *Extrapolation's* existence. These single references were to 206 female authors and their works, 830 males, and 37 pseudonymous and group authors (e.g., Alan Parsons Project; Friends of Darkover) categorized as gender unknown, all of which constitute 52.73% (1,073/2035) of the creative authors, but only 8.20% of the primary references given to 15.87% of the individual identified primary works. The specifics of which particular works of the most frequently referenced authors have themselves been most frequently referenced is dealt with in the text concerning Table 7.4.1.3.a. even further below.

Unlike the more closely connected creative authors associated with other, more traditional, literary divisions and sub-divisions, e.g., lists of English Renaissance dramatists or nineteenth-century American Transcendentalists, these 118 authors range widely through time and space from Homer (whomever he, she, or they may have been)

in the Greek-speaking world of the 8th or 7th century BCE, to the newest, China Miéville, born in Norwich, East Anglia, UK, in 1972. By nationality or country affiliation, the majority of these most frequently referenced authors are from the Anglophone countries of Sol III, primarily the United States and Great Britain, though More, an Englishman, wrote his *Utopia* in Latin. Eleven of these writers are from non-English speaking countries and wrote in languages other than English, though most of their works were referenced in English translation or at least by their English titles: Weiss wrote in Czech, Verne and Villiers de l'Isle-Adam in French, Kafka in German, Homer in ancient Greek, Dante and Calvino in Italian, Hoshi in Japanese, Lem in Polish, Zamiatin in Russian, and Borges from Argentina in Spanish. These most frequently referenced 11 authors perhaps could be considered to represent some of the non-Anglophone diversity that Clareson, Hassler, and the Martinez-led editorial cohort of Butler, Levy, Vint, and Yaszek expressed a desire to include in articles in *Extrapolation* (see: Section 5.3. Purpose of the Journal above).

Of these 118 most frequently referenced creative authors, 19 are identified as female (16.1%), 98 as male (83.1%), and one, the pseudonymous house name Victor Appleton, as gender unknown (0.85%). If one uses the data in Table 7.3.1.a. above (Question C.08.) in regard to the gender of the primary authors referenced, and recalculates the proportions excluding the figures for the collaborative works, the overall share of all the female creative authors and their works to these references is 16.98%, while male creatives have 80.02%, and the proportion for the gender unknowns is 2.82%. Thus, the creative authors share of the primary works references is similar, when divided by gender, whether one considers only the most frequently referenced

authors or all the authors of that gender category at least for Fantasy & Science Fiction Studies scholarship as represented by the first fifty years of articles published in *Extrapolation*.

Many, if not most, of these most frequently referenced authors are likely to be known, by name at least, to the more widely read scholars and long-time avid readers. The few authors who are probably less well-known are the four who received all of their qualifying references from a single article (A=001): the Japanese writer Hoshi Shinichi (40 references to 30 different works) in *Extrapolation*'s third decade, the Czech writer Jan Weiss (40 references; 30 works) in the fourth decade, and in the fifth decade, the Australian G[ordon] C[live] Bleek, also known by his pseudonym Luigi Belli (30 references; 28 works), and possibly the nineteenth-century Frenchman Villiers de l'Isle-Adam (30 references; 18 works). In *Extrapolation*, at least, no other scholars referenced them through 2009; a check of the *Science Fiction & Fantasy Research Database* shows scholarly materials outside of *Extrapolation* only for Villiers d'Isle-Adam of these four. A close examination of Table 7.4.1.1. above reveals that an additional 51 of these 118 authors did not receive any references in at least one of the five decades. Even first ranked Ursula K. Le Guin was not referenced until the December **1971 (13.1: 16)** issue in the second decade, and then in a brief reference by **Parkinson** comparing the "scope and detail" of her novel *The Left Hand of Darkness* with that of Frank Herbert's *Dune* and *Dune Messiah* to which the article is otherwise devoted.

Another way of examining this consolidated list is to compare it with the five separate decadal-based most frequently referenced authors lists found in Appendix I –

Parts A.1.-A.5. During the first decade (1.1-10.2 December 1959-May 1969) only 33 articles were published in the twenty issues, hence, for this decade only, the threshold for most frequently referenced-ability was lowered to ten references to the authors and their works within the decade, otherwise only two individuals would have made up the list: H. G. Wells with the first 68 of his eventual 328 references, and Samuel (*Erewhon*) Butler with 20 of his eventual 28 references. For the remaining four decades an author had to have received at least twenty references within that decade to be placed on one of the decadal lists. With the 20 minimum references in a decade requirement, all of the second-fifth decadally highly referenced authors were assured of a place on the overall list, though four of the ten on the first decade's list ultimately did not accumulate sufficient additional references to make the final list (George Griffith with 12 of his eventual 13 references, and Victor Rousseau with 10 of his 11 references; and Silas Weir Mitchell and J. B. Priestley with all 10 of their respective references). There are also 44 authors who did not make any of the decadally-based lists but through the accumulation decade-by-decade did meet the fifty-year minimum of 20 references given to them and their works (Edward Bellamy, author of *Looking Backward, 2000-1887*, is the highest ranked such); some of these authors are younger, and may not have had sufficiently lengthy careers by 2009 to have attracted the attention of many scholar-critics, others might not have attracted as much such attention because only a few of their works were of F&SF interest, e.g., E. M. Forster and his "The Machine Stops".

Conventional literary critics and scholars might find themselves bemused or disconcerted by the appearance of certain traditionally canonical authors on a list of most frequently referenced writers in this section of fantasy and science fiction

scholarship, yet many of these canonically enshrined writers did write occasionally in the arena of the fantastic, sometimes as defined in their own times and sometimes as defined by later readers and writers, or, they may have been sources of inspiration for some F&SF writers and their works or for the critics and scholars who write about them. Dante's *La Divina Commedia*, Shakespeare's *A Midsummer Night's Dream* and *The Tempest*, and Swift's *Gulliver's Travels*, for example, are considered taproot texts for modern fantasy by some critics of the fantastic (Clute 1997: 921-922). More modern writers may have dipped their pens into the cauldron or ocean of story and written some tales of the fantastic, supernatural, horror, or even science fiction, with such works as Hawthorne's "The Birthmark" and "Rappaccini's Daughter", Poe's "The Balloon Hoax" or "The Masque of the Red Death", Twain's *A Connecticut Yankee in King Arthur's Court* or "The Mysterious Stranger", or even E. M. Forster, of the very much non-fantastic *A Passage to India* and *Howard's End*, with (again) his dystopian short fiction "The Machine Stops".

Whether particular creative authors and their works make such an overall list as shown in Table 7.4.1.1. above through being of highly sustained interest over the decades (the top of the top ranked authors), through a slow but steady accumulation of interest by scholars, through brilliant early careers (see: Miéville), or even through one really intensive examination (the Articles=001 group), these factors point to the need for the bibliometrician to carefully examine the choice of source documents and the chronological limits or expanse of such a choice, and the necessity for both the bibliometricians and their readers to use caution in making pronouncements or decisions based upon any single such ranking list.

7.4.1.2. *Hive Minds, or, More than Human: The Most Frequently
Referenced Creative Collaborative Works*

When the primary works data was first surveyed prior to analysis, a dilemma presented itself—how to treat those referenced works, or categories of works, which did not have an author in the traditional sense of an individual or perhaps a duo or even a trio of individuals named as authoring the work. Many of the anonymous works, like *Beowulf* or *Sir Gawain and the Green Knight* may have had single authors, or were story cycles generally treated by modern scholars as a unit though probably with many contributing authors such as the *Arabian Nights*, so were placed with the anonymous authors category in Table 7.4.1.1. above. Works such as films, television broadcasts, many comics and graphic novels, and even various religious texts come to fruition as the result of the efforts of many hands. This multiplicity of contributing authors (in the broad sense) is most evident with films and television productions; there is an author or authors of the screenplay or teleplay script, the producer(s) and their staffs who oversee the myriad details of production, the director of the script, the casting director and the actors they cast, the composer and the orchestra, the art director and the costumers and special effects personnel who create the visual and aural landscape within which the actors as the characters in the script enact the story, and many more who contribute their talents and their labors to the creation of the final work. Comics and graphic novels too have many creators beyond the person(s) who writes the script and the artist(s) who illustrate it, such as the inkers and the letterers or the editor who oversees them. With so many people involved in the realization of such works, it was decided to separate them out as collaborative works, to list them by title, and to treat them in

fourteen different categories such as Media Franchises, Films, Television Series Episodes, and Games. These collaboratively authored works categories were then subdivided into three larger groups: mediated works, religious works, and other primary works, as shown in Table 7.4.1.2. below.

Since individual episodes of television and radio series such as *Star Trek* [*The Original Series*] or the anthology series *X Minus One* are written about by scholars as separate units without necessarily writing about the whole series, series episodes are counted separately, but their series title is also counted within the television (or radio) series category; this might be seen as a form of ‘double-dipping’ but it gives a better view of how scholars work with these mediated materials as both separate stories (like a short fiction) and as part of a greater, more or less interconnected, whole (like short fictions which later become integrated into a novel, e.g., Miller’s *A Canticle for Leibowitz*, or, Sturgeon’s *More Than Human*). The same might be said of media franchises and their many component elements or of film series and the individual films within each series, but there did not seem to be the same kind of close interrelationship as with the TV and radio series, so the media franchises and film series categories counts do not also include the counts for the individual elements or films within each franchise or series.

In total, there were 1,153 individual collaborative primary works which received a total of 2,582 references. As only 11 of these 1,153 titles (0.95%) achieved the overall 20+ references minimum required for listing on the most frequently referenced authors list above in Table 7.4.1.1., but a total of 28 titles of these works (2.43%) reached the individual works threshold of 10+ references for inclusion in the listing of most frequently

Table 7.4.1.2.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11	0	0	0	0	4	2	17	8	25	5	46	11		
<i>Star Trek</i> [franchise].		1					3	1	8	1	16	1	27	1	R: 60	A=027
<i>Star Wars</i> [franchise].		1					1	1	3	1	6	1	10	1	R: 77	A=010
01 Ref		9							6	6	3	3	9	9	R: 86	
Comic Books, Comic Strips, & Graphic Novels		100	3	3	4	4	74	20	36	30	91	50	208	100		
<i>Mystery In Space.</i>		1									25	1	25	1	R: 62	A=001
<i>Avengers.</i>		1					17	1					17	1	R: 70	A=001
<i>Warlock.</i>		1					13	1					13	1	R: 74	A=001
<i>Hulk.</i>		1					8	1					8	1	R: 79	A=001
<i>Thor.</i>		1					6	1					6	1	R: 81	A=001
<i>Wonder Woman.</i>		1									6	1	6	1	R: 81	A=001
<i>Watchmen.</i>		1							2	1	3	1	5	1	R: 82	A=004

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	Overall Rank	# Diff Articles Ref'd In
04 Refs		3	1	1	1	1	9	3			1	1	12	3	R: 83	
03 Refs		10			1	1	11	4	2	1	16	6	30	10	R: 84	
02 Refs		6					3	2	9	5			12	6	R: 85	
01 Ref		74	2	2	2	2	7	7	23	23	40	40	74	74	R: 86	
Film Series		17	0	0	0	0	10	6	9	7	19	10	38	17		
<i>Star Wars</i> [film series]. 1977+.		1					3	1	3	1	6	1	12	1	R: 75	A=012
<i>Mad Max</i> [film trilogy]. 1979, 1981, 1985.		1					2	1			2	1	4	1	R: 83	A=004
<i>Matrix, The</i> [film series]. 1999, 2003, 2003.		1									3	1	3	1	R: 84	A=003
02 Refs		5					3	2	3	2	4	3	10	5	R: 85	
01 Ref		9					2	2	3	3	4	4	9	9	R: 86	
Films		502	9	8	60	43	211	135	218	159	402	287	900	502		
<i>2001: A Space Odyssey</i> . 1968.		1	2	1	10	1	15	1	9	1	14	1	50	1	R: 41	A=049

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gen-der	Num-ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri-mary Refs	# Diff P Wks	# Pri-mary Refs	# Diff P Wks	# Pri-mary Refs	# Diff P Wks	# Pri-mary Refs	# Diff P Wks	# Pri-mary Refs	# Diff P Wks	# Pri-mary Refs	# Diff P Wks	Over-all Rank	# Diff Articles Ref'd In
<i>Star Wars</i> [aka: <i>Star Wars IV--A New Hope</i>]. 1977.		1					9	1	6	1	9	1	24	1	R: 63	A=024
<i>Blade Runner</i> . 1982.		1					2	1	8	1	8	1	18	1	R: 69	A=016
<i>E. T.: The Extraterrestrial</i> . 1982.		1					7	1	6	1	2	1	15	1	R: 72	A=014
<i>Metropolis</i> . 1927.		1	1	1	2	1	1	1	5	1	4	1	13	1	R: 74	A=012
<i>Alien</i> . 1979.		1					4	1	2	1	6	1	12	1	R: 75	A=012
<i>Close Encounters of the Third Kind</i> . 1977.		1					4	1	4	1	2	1	10	1	R: 77	A=009
<i>Forbidden Planet</i> . 1956.		1			2	1	3	1	3	1	2	1	10	1	R: 77	A=010
<i>Dr. Strangelove</i> . 1964.		1	1	1	1	1	2	1	3	1	2	1	9	1	R: 78	A=009
<i>Star Trek II: The Wrath of Khan</i> . 1982		1					4	1	2	1	3	1	9	1	R: 78	A=009
<i>Empire Strikes Back, The</i> . 1980.		1					6	1	1	1	1	1	8	1	R: 79	A=008
<i>Frankenstein</i> . 1931.		1			2	1	3	1	1	1	2	1	8	1	R: 79	A=008
<i>Invasion of the Body Snatchers</i> . 1956.		1					4	1	1	1	3	1	8	1	R: 79	A=008
<i>Terminator, The</i> . 1984.		1					1	1	1	1	6	1	8	1	R: 79	A=008
<i>Matrix, The</i> . 1999.		1									7	1	7	1	R: 80	A=007

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gen-der	Num-ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
<i>Solaris</i> . 1971.		1			2	1	2	1	1	1	2	1	7	1	R: 80	A=006
<i>Thing from Another World, The</i> . 1951.		1			1	1	2	1	1	1	3	1	7	1	R: 80	A=007
<i>Clockwork Orange, A</i> . 1971.		1			3	1	1	1	2	1			6	1	R: 81	A=006
<i>Things to Come</i> . 1936.		1			2	1	1	1	2	1	1	1	6	1	R: 81	A=006
<i>Time Machine, The</i> . 1960.		1					4	1	1	1	1	1	6	1	R: 81	A=006
<i>War of the Worlds</i> . 1953.		1			1	1	2	1	1	1	2	1	6	1	R: 81	A=006
<i>Andromeda Strain, The</i> . 1971.		1			2	1			1	1	2	1	5	1	R: 82	A=005
<i>On the Beach</i> . 1959.		1	1	1	1	1	1	1	2	1			5	1	R: 82	A=005
<i>Planet of the Apes</i> . 1967.		1	1	1					3	1	1	1	5	1	R: 82	A=005
<i>Return of the Jedi</i> . 1983.		1					2	1	2	1	1	1	5	1	R: 82	A=005
<i>Star Trek III: The Search for Spock</i> . 1984.		1					2	1			3	1	5	1	R: 82	A=005
<i>Terminator 2: Judgment Day</i> . 1991.		1							1	1	4	1	5	1	R: 82	A=004
<i>THX-1138</i> . 1971.		1			1	1	1	1	2	1	1	1	5	1	R: 82	A=005
<i>Wizard of Oz, The</i> . 1939.		1					1	1	1	1	3	1	5	1	R: 82	A=005

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
04 Refs		14	1	1	3	3	11	7	15	10	26	11	56	14	R: 83	
03 Refs		18			1	1	10	8	17	13	26	15	54	18	R: 84	
02 Refs		62			2	2	37	26	22	17	63	42	124	62	R: 85	
01 Ref		379	2	2	24	24	69	69	92	92	192	192	379	379	R: 86	
Film Serials & Film Serial Episodes		15	0	0	0	0	5	3	12	11	4	4	21	15		
<i>Flash Gordon</i> [film serials]. 1936, 1938, 1940.		1					2	1	1	1	1	1	4	1	R: 83	A=004
<i>Buck Rogers</i> [serial film]. 1939.		1					2	1			1	1	3	1	R: 84	A=003
02 Refs		1							2	1			1	1	R: 85	
01 Ref		12					1	1	9	9	2	2	12	12	R: 86	
Radio Dramas & Plays		9	1	1	2	1	2	1	5	5	5	5	15	9		
<i>War of the Worlds, The</i> . 1938-10-30.		1	1	1	2	1	2	1	1	1	1	1	7	1	R: 80	A=007
01 Ref		8							4	4	4	4	8	8	R: 86	

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gen-der	Num-ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
Radio Series, including Anthology Series		9	0	0	0	0	3	2	4	2	6	6	13	9		
<i>X Minus One</i> [anthology series]. 1955-1958.		1							3	1			3	1	R: 84	A=001
02 Refs		2					2	1	1	1	1	1	4	2	R: 85	
01 Ref		6					1	1			5	5	6	6	R: 86	
Television Plays & Films, including Mini-series		26	1	1	2	2	17	14	5	5	6	5	31	26		
<i>Day After, The</i> [tv film]. 1983.		1					3	1					3	1	R: 84	A=003
02 Refs		3					2	1	1	1	3	2	6	3	R: 85	
01 Ref		22	1	1	2	2	12	12	4	4	3	3	22	22	R: 86	
Television Series, including Anthology Series		143	0	0	77	22	141	57	178	29	206	66	602	143		
<i>Star Trek</i> [The Original Series]. 1966-1969.		1			55	1	48	1	64	1	24	1	191	1	R: 07	A=042

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	Overall Rank	# Diff Articles Ref'd In
<i>Star Trek: The Next Generation</i> . 1987-1994.		1					1	1	76	1	29	1	106	1	R: 14	A=024
<i>Firefly</i> . 2002-2003.		1									30	1	30	1	R: 57	A=003
<i>Star Trek: Deep Space Nine</i> . 1993-1999.		1							4	1	26	1	30	1	R: 57	A=009
<i>Doctor Who</i> . 1963-1989, 2005+.		1					12	1	3	1	3	1	18	1	R: 69	A=006
<i>Twilight Zone</i> . 1959-1964, 1985-1989, 2002-2002, 2019+.		1			2	1	13	1	2	1	1	1	18	1	R: 69	A=009
<i>Battlestar Galactica</i> . [Reimagined Series] 2003-2008.		1									12	1	12	1	R: 75	A=003
<i>Enterprise</i> [aka: <i>Star Trek: Enterprise</i>]. 2001-2005.		1									8	1	8	1	R: 79	A=003
<i>Buffy the Vampire Slayer</i> . 1997-2003.		1									6	1	6	1	R: 81	A=005
<i>X-Files, The</i> . 1993-2002, 2016-2018.		1									6	1	6	1	R: 81	A=006
04 Refs		5			1	1	11	4	5	3	3	2	20	5	R: 83	

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
			03 Refs		7			1	1	11	6	7	4	2	1	21	7	R: 84
02 Refs		15			3	3	11	9	4	4	12	9	30	15	R: 85	
01 Ref		106			15	15	34	34	13	13	44	44	106	106	R: 86	
Television Series Episodes		205	0	0	52	52	62	56	124	96	95	80	333	205		
Errand of Mercy. <i>Star Trek</i> [The Original Series]. 1967-03-23.		1			1	1	2	1	2	1			5	1	R: 82	A=005
Measure of a Man, The. <i>Star Trek: The New Generation</i> . 1989-02-13		1							4	1	1	1	5	1	R: 82	A=005
Menagerie, The. <i>Star Trek</i> [The Original Series]. 1966-11-17 & 24.		1			1	1	3	1			1	1	5	1	R: 82	A=005
Naked Now, The. <i>Star Trek: The New Generation</i> . 1987-10-05.		1							4	1	1	1	5	1	R: 82	A=005
Offspring, The. <i>Star Trek: The New Generation</i> . 1990-03-12.		1							4	1	1	1	5	1	R: 82	A=005

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
			Ultimate Computer, The. <i>Star Trek</i> [The Original Series]. 1968-03-08.		1			1	1	1	1	2	1	1	1	5	1	R: 82	A=005
Apple, The. <i>Star Trek</i> [The Original Series]. 1967-10-13.		1			1	1	1	1	2	1			4	1	R: 83	A=004
Deadly Years, The. <i>Star Trek</i> [The Original Series]. 1967-12-08		1			1	1	1	1	1	1	1	1	4	1	R: 83	A=004
Let That Be Your Final Battlefield. <i>Star Trek</i> [The Original Series]. 1969-01-10.		1					1	1	3	1			4	1	R: 83	A=004
Naked Time, The. <i>Star Trek</i> [The Original Series]. 1966-09-29.		1			1	1	1	1	2	1			4	1	R: 83	A=004
Paradise Syndrome, The. <i>Star Trek</i> [The Original Series]. 1968-10-04.		1			1	1	2	1	1	1			4	1	R: 83	A=004
Private Little War, A. <i>Star Trek</i> [The Original Series]. 1968-02-02.		1			1	1	1	1			2	1	4	1	R: 83	A=004

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
			Requiem for Methuselah. <i>Star Trek</i> [The Original Series]. 1969-02-14.		1			1	1			2	1	1	1	4	1	R: 83	A=004
Return of the Archons. <i>Star Trek</i> [The Original Series]. 1967-02-09		1			1	1	2	1	1	1			4	1	R: 83	A=004
This Side of Paradise. <i>Star Trek</i> [The Original Series]. 1967-03-02		1			1	1	1	1	2	1			4	1	R: 83	A=004
What Are Little Girls Made Of? <i>Star Trek</i> [The Original Series]. 1966-10-20.		1			1	1			2	1	1	1	4	1	R: 83	A=004
03 Refs		14			11	11	9	8	16	11	6	6	42	14	R: 84	
02 Refs		46			18	18	12	12	27	22	35	21	92	46	R: 85	
01 Ref		129			11	11	25	25	49	49	44	44	129	129	R: 86	

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	Overall Rank	# Diff Articles Ref'd In
Religious Works																
RELIGIOUS TEXTS		72	10	8	53	21	88	44	89	31	84	33	324	72		
<i>Bible & Bible Books</i>		43	9	7	45	15	67	29	81	24	61	19	263	43		
<i>Other Religious Texts</i>		29	1	1	8	6	21	15	8	7	23	14	61	29		
<i>Bible</i> [whole book].		1	3	1	12	1	10	1	17	1	19	1	61	1	R: 32	A=052
<i>Bible. Genesis.</i>		1			5	1	8	1	10	1	8	1	31	1	R: 56	A=030
<i>Bible. Old Testament.</i>		1			3	1	4	1	12	1	6	1	25	1	R: 62	A=025
<i>Bible. Revelation(s)</i> [aka: <i>Apocalypse</i>].		1			5	1	3	1	5	1	6	1	19	1	R: 68	A=019
<i>Bible. Matthew.</i>		1			4	1	4	1	6	1	2	1	16	1	R: 71	A=016
<i>Bible. New Testament.</i>		1			3	1	4	1	6	1	2	1	15	1	R: 72	A=013
<i>Tao Te Ching</i> [aka: <i>Lao Tzu; Laoshi.</i>] 6th c BCE.		1			2	1	4	1			5	1	11	1	R: 76	A=011
<i>Bible. John.</i>		1					4	1	5	1			9	1	R: 78	A=009
<i>Bible. Exodus.</i>		1			2	1	1	1	1	1	3	1	7	1	R: 80	A=007
<i>Bible. Job.</i>		1			1	1	2	1	1	1	3	1	7	1	R: 80	A=007
<i>Bhagavad-Gita</i>		1					2	1	1	1	3	1	6	1	R: 81	A=006
<i>Bible. Ecclesiastes.</i>		1			2	1	1	1	2	1	1	1	6	1	R: 81	A=006

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gen-der	Num-ber	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	# Pri- mary Refs	# Diff P Wks	Over- all Rank	# Diff Articles Ref'd In
<i>Bible. Isaiah.</i>		1	1	1	2	1	3	1					6	1	R: 81	A=006
<i>Bible. Corinthians</i> [1st or 2nd].		1			1	1	2	1			2	1	5	1	R: 82	A=005
<i>Bible. Luke.</i>		1					2	1	2	1	1	1	5	1	R: 82	A=005
04 Refs		6	1	1	3	2	6	4	6	5	8	5	24	6	R: 83	
03 Refs		5	0	0	3	2	5	4	5	4	2	2	15	5	R: 84	
02 Refs		10	3	3	2	2	8	6	5	5	2	2	20	10	R: 85	
01 Ref		36	2	2	3	3	15	15	5	5	11	11	36	36	R: 86	
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16	0	0	0	0	2	1	7	7	10	9	19	16		
<i>Dungeons & Dragons.</i>		1					2	1			2	1	4	1	R: 83	A=004
01 Ref		15							7	7	8	8	15	15	R: 86	

**Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	D1: v1-10 1959-1969		D2: v11-20 1969-1979		D3: v21-30 1980-1989		D4: v31-40 1990-1999		D5: v41-50 2000-2009		Total: v1-50 1959-2009			
			# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	# Primary Refs	# Diff P Wks	Overall Rank	# Diff Articles Ref'd In
Realia and Real Environments		19	0	0	0	0	0	0	12	12	8	7	20	19		
<i>Terminator 3-D.</i> [attraction; aka: <i>T2 3-D: Battle Across Time</i>]. Universal Studios [various], 1996+.		1									2	1	2	1	R: 85	A=002
01 Ref		18							12	12	6	6	18	18	R: 86	
Websites		9	0	0	0	0	0	0	0	0	12	9	12	9		
<i>EntSTSlash</i> [aka: <i>StarTrek_EnterpriseSlash</i>].		1									3	1	3	1	R: 84	A=001
<i>FanFiction.net.</i>		1									2	1	2	1	R: 85	A=002
01 Ref		7									7	7	7	7	R: 86	

Table 7.4.1.2. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* First Five Decades: Volumes 1-50, December 1959-Fall 2009

Note: Gender column is blank as collaboratively authored works generally have individuals of all genders working on them.

Note: Numbers: # Primary Refs=Total number of Formal and Informal references made to the collaboratively authored work or series in either the individual decade or over the five decades; **# Diff P Wks**=total number of different primary works referenced.

Note: The **Rank** is the relative position of an author, anonymous work, or collaboratively authored work or series based on the relative number of references from most the frequent occurrence (maximum: 563 references; Rank: 01; Le Guin with 563 references) to least frequent (1 reference, either in a decade or overall; Rank: 86; 2,052 individuals or works). Overall Ranks from 01 through 55 are discontinuous (563 references down to 33); the overall ranks from 56 through 86 are continuous (31 references down to 1). The number of ranks in a decade vary.

Note: The **# Diff Articles Ref'd In** is the number of different articles in which the primary author, anonymous work, or collaboratively authored work or series is referenced in either in a Formal or Informal location.

Note: For further details, by decade, on most frequently referenced authors or collaborative works, please see Appendix I and its various parts divided by decades (A.1--A.5. for named authors; B.1.--B.5 for collaborative works; and Part C for a more complete list of most frequently referenced works of the 118 most frequently referenced authors).

referenced primary works by the most frequently referenced authors as in Table 7.4.1.3.a. below, it was decided that the thresholds for listing an individual title in each category would vary and would be determined by the range of total references received by the different titles within that category. As with the individual authors, an outsized proportion ($830/1,153=71.99\%$) of these collaborative works received only a single reference over the fifty years reviewed. See Appendix I – Parts B.1-B.5. for a decade-by-decade view of this data as was done with the individual authors.

As with the individual authors listing, the first decade of *Extrapolation* saw few references to these collaborative works, with only 10 references to eight separate religious or spiritual texts (the *Bible* as a whole work received 3 references, the remaining titles one each), and 14 references to 13 of the mediated titles (highest ranking film *2001: A Space Odyssey* [1968] accrued the first 2 of its eventual 50 references in its first year, the last year of *Extrapolation's* first decade). The second decade saw a ten-fold increase in the number of references to these collaborative works (250 references) and a nearly seven-fold increase in the number of specific works (145) referenced. The remaining decades saw further increases: 314 works and 619 references (3rd decade), 402 works and 716 references (4th), and 576 works and 973 references (5th), for a total of 2,582 references to the 1,153 works. As for the fourteen individual categories, the Films category was definitely the highest ranking of the collaborative works categories with 900 references to 502 different works (34.86% of all 2,582 references). There were 29 films which received between 5 and 50 references in these decades, including the first three *Star Wars* releases (*Star Wars*, aka: *Star Wars IV: A New Hope* [released: 1977; 24 references]; *The Empire Strikes Back* [1980; 8]);

and, *Return of the Jedi* [1983; 5]), two of the first three *Star Trek* films (*Star Trek II: The Wrath of Khan* [1982; 9], and *Star Trek III: The Search for Spock* [1984; 5]), and the first two *Terminators* (*The Terminator* [1981; 8], and *Terminator 2: Judgment Day* [1991; 5]) starring California's future governor Arnold Schwarzenegger. The *Star Wars* films as a series were also the most frequently referenced Film Series (12 references).

Following Films, and based on the number of different titles referenced in the category were Television Series Episodes (205 titles; 333 references; 12.90% of all collaborative works references), Television Series (143; 602; 23.32%), Comic Books and Graphic Novels (100; 208; 8.06%), Religious Texts (72; 324; 12.55%), Television Plays and Films, including Mini-Series (26; 31; 1.20%), Realia and Real Environments (19; 20; 0.77%), Film Series (17; 38; 1.47%), Games, including Computer Games (16; 19; 0.74%), Film Serials and Film Serial Episodes (15; 21; 0.81%), Media Franchises (11; 46; 1.78%), and in a three-way tie with nine titles each: Radio Dramas and Plays (15 references; 0.58%), Radio Series, including Anthology Series (13; 0.50%), and the newest category Websites (12; 0.46%) which only appeared in *Extrapolation's* fifth decade.

The pattern of references given to primary collaborative works over the decades was sometimes spotty, with some titles gaining all of their references in one decade, often within the confines of a single article (see: Comic Books and Graphic Novels) as noted with a few of the most frequently referenced authors above. As popular as the various *Star Trek* television series were with the scholars with a total of 191 references to *Star Trek [The Original Series]* in 42 articles and 106 references to *Star Trek: The Next Generation* in 24 articles, it was not surprising to find that the most referenced

individual television series episodes belong to these two series, with three episodes from each receiving five references apiece, and an additional 10 episodes of *ST: TOS* receiving four. By the time *Extrapolation* made its first appearance on the scholarly scene, radio dramas were already fading rapidly into the past at least in the United States, if not in the UK due to the BBC radio service, so it is not surprising that only one broadcast, the justly famous *War of the Worlds*, H. G. Wells' 1898 novel dramatized in updated form by Orson Welles on his *Mercury Theatre of the Air* on Halloween Eve 1938, received more than a single reference in this category by acquiring one or two references each decade for a final total of seven.

7.4.1.3. *Secret Histories, Shared Worlds, and Faerielands: The Most Frequently Referenced Creative Primary Works*

This list of the 166 most frequently referenced primary works is limited to those works by the 118 most frequently referenced creative authors which achieved a total of 10 or more references in *Extrapolation* by the end of 2009, and to those collaborative works with 10 or more references as well (Table 7.4.1.3.a. below). Fifty-five of the 118 authors are not on this list of most frequently referenced works because no one of their works referenced reached the 10 references minimum threshold; some of these authors received a large number of references but their references were spread over a wide number of titles, for example Roger Zelazny with 68 works referenced 108 times, but the highest ranking two titles received only eight references each followed by an additional two titles with six references each. Other authors may have only a single title on this list because despite a large number of references to their works, one title seems

**Table 7.4.1.3.a.:
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals: v1-50 1959-2009		
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	# Pri- mary Refs	# Pri Wks	Overall AU or Work Rank
	<i>Star Trek [The Original Series].</i>	tvseries		55	48	64	24	191	1	R: 07
	<i>Star Trek: The Next Generation.</i>	tvseries			1	76	29	106	1	R: 14
Orwell, George	<i>Nineteen Eighty-Four.</i>	no	9	15	18	19	16	77	1	R: 20
Wells, H. G.	<i>Time Machine, The.</i>	no	5	18	16	17	17	73	1	R: 03
Shelley, Mary Wollstonecraft	<i>Frankenstein; or, The Modern Prometheus.</i>	no	2	11	17	18	23	71	1	R: 24
Huxley, Aldous	<i>Brave New World [with and without Brave New World Revisited].</i>	no	12	22	12	8	12	66	2	R: 21
Le Guin, Ursula K.	<i>Left Hand of Darkness, The.</i>	no		14	20	8	22	64	1	R: 01
	<i>Bible [whole book].</i>	rel txt	3	12	10	17	19	61	1	R: 32
Wells, H. G.	<i>War of the Worlds.</i>	no	7	11	4	12	19	53	1	R: 03
Le Guin, Ursula K.	<i>Dispossessed, The.</i>	no		4	15	12	19	50	1	R: 01
	<i>2001: A Space Odyssey.</i>	film	2	10	15	9	14	50	1	R: 41
Tolkien, J. R. R.	<i>Lord of the Rings trilogy-collection-set.</i>	series		11	13	8	14	46	1	R: 19
Swift, Jonathan	<i>Gulliver's Travels.</i>	no	4	7	12	14	7	44	1	R: 38

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Bellamy, Edward	<i>Looking Backward, 2000-1887.</i>	no	7	9	13	10	4	43	1	R: 35
Herbert, Frank	<i>Dune</i> [novel].	no		16	9	9	9	43	1	R: 16
Clarke, Arthur C.	<i>Childhood's End.</i>	no	5	11	13	9	4	42	1	R: 06
More, Thomas, St. Sir	<i>Utopia.</i>	no	4	10	13	11	4	42	1	R: 47
Heinlein, Robert A.	<i>Stranger in a Strange Land.</i>	no	3	14	9	7	4	37	1	R: 02
Wells, H. G.	<i>Sleeper Wakes, The</i> [aka: <i>When the Sleeper Wakes</i>].	no	30	5	1	1		37	1	R: 03
Asimov, Isaac	<i>Foundation</i> trilogy-series-omnibus.	series	1	12	6	12	5	36	1	R: 04
Zamyatin, Yevgeny	<i>We.</i> [English ti.]	no	5	7	12	4	6	34	1	R: 52
Miller, Walter M., Jr.	<i>Canticle for Leibowitz, A.</i>	no	4	7	10	9	3	33	1	R: 43
	<i>Bible. Genesis.</i>	rel txt		5	8	10	8	31	1	R: 56
Gibson, William	<i>Neuromancer.</i>	no			1	11	18	30	1	R: 28
	<i>Firefly.</i>	tvseries					30	30	1	R: 57
	<i>Star Trek: Deep Space Nine.</i>	tvseries				4	26	30	1	R: 57
Bradbury, Ray	<i>Fahrenheit 451.</i>	no	2	9	2	10	6	29	1	R: 10
Milton, John	<i>Paradise Lost.</i>	po		6	10	7	6	29	1	R: 53
Bradbury, Ray	<i>Martian Chronicles, The.</i>	bk-coll-sf	2	11	7	3	5	28	1	R: 10

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Lem, Stanisław	<i>Solaris.</i>	no		9	6	4	9	28	1	R: 11
Wells, H. G.	<i>Island of Doctor Moreau, The.</i>	no	3	6	8	3	8	28	1	R: 03
Le Guin, Ursula K.	<i>Wizard of Earthsea, A.</i>	no		1	13	5	8	27	1	R: 01
Russ, Joanna	<i>Female Man, The.</i>	no		2	8	5	12	27	1	R: 33
	<i>Star Trek.</i>	med fr			3	8	16	27	1	R: 60
Dick, Philip K.	<i>Man in the High Castle, The.</i>	no	1	4	4	7	9	25	1	R: 05
Heinlein, Robert A.	<i>Moon Is a Harsh Mistress, The.</i>	no		8	4	7	6	25	1	R: 02
Homer	<i>Odyssey, The .</i>	po		3	9	7	6	25	1	R: 50
Piercy, Marge	<i>Woman on the Edge of Time.</i>	no			12	4	9	25	1	R: 52
	<i>Bible. Old Testament.</i>	rel txt		3	4	12	6	25	1	R: 62
	<i>Mystery in Space.</i>	cb					25	25	1	R: 62
Butler, Samuel	<i>Erewhon; or, Over the Range .</i>	no	16	2	2	3	1	24	1	R: 59
Heinlein, Robert A.	<i>Starship Troopers.</i>	no		6	4	6	8	24	1	R: 02
Pohl, Frederik & Kornbluth, Cyril M.	<i>Space Merchants, The</i> [aka: <i>Gravy Planet</i>].	no	2	8	4	8	2	24	1	R: 17 & R: 25
	<i>Star Wars</i> [aka: <i>Star Wars IV--A New Hope</i>].	film			9	6	9	24	1	R: 63
Asimov, Isaac	<i>I, Robot.</i>	bk-coll-sf	1	9	3	6	4	23	1	R: 04

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Burgess, Anthony	<i>Clockwork Orange, A.</i>	no	1	13	4	4	1	23	1	R: 58
Clarke, Arthur C.	<i>2001: A Space Odyssey.</i>	no	2	5	10	2	4	23	1	R: 06
Eliot, T. S.	<i>Waste Land, The.</i>	po	1	3	8	8	3	23	1	R: 53
Shakespeare, William	<i>Tempest, The.</i>	dr		4	6	8	5	23	1	R: 08
Wells, H. G.	<i>First Men in the Moon, The.</i>	no	6	7	3	4	2	22	1	R: 03
Le Guin, Ursula K.	"Word for World Is Forest, The."	sf		3	5	3	10	21	1	R: 01
Gernsback, Hugo	<i>Ralph 124C 41+</i>	no	1	8	1	8	2	20	1	R: 51
Le Guin, Ursula K.	<i>Farthest Shore, The.</i>	no		1	7	4	8	20	1	R: 01
Le Guin, Ursula K.	<i>Lathe of Heaven, The.</i>	no		1	7	3	9	20	1	R: 01
Lewis, C. S.	<i>Out of the Silent Planet.</i>	no	4	8	6	1	1	20	1	R: 14
Shakespeare, William	<i>Hamlet.</i>	dr	1		4	13	2	20	1	R: 08
Le Guin, Ursula K.	<i>Always Coming Home.</i>	no			3	6	10	19	1	R: 01
Le Guin, Ursula K.	<i>Earthsea trilogy-tetology-series.</i>	series			9	3	7	19	1	R: 01
Vonnegut, Kurt, Jr.	<i>Player Piano.</i>	no	5	9	3	1	1	19	1	R: 22
	<i>Beowulf.</i>	po	1	2	5	5	6	19	1	R: 68
	<i>Bible. Revelation(s) [aka: Apocalypse].</i>	rel txt		5	3	5	6	19	1	R: 68
Dick, Philip K.	<i>Do Androids Dream of Electric Sheep? [aka: Blade Runner].</i>	no		2	3	3	10	18	1	R: 05

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Lewis, C. S.	<i>Perelandra.</i>	no	2	6	6	3	1	18	1	R: 14
Lewis, C. S.	<i>That Hideous Strength.</i>	no	3	7	4	3	1	18	1	R: 14
Melville, Herman	<i>Moby-Dick.</i>	no		4	4	7	3	18	1	R: 43
Stevenson, Robert Louis	"Strange Case of Dr. Jekyll and Mr. Hyde."	sf	1	3	4	4	6	18	1	R: 64
	<i>Blade Runner.</i>	film			2	8	8	18	1	R: 69
	<i>Doctor Who.</i>	tvseries			12	3	3	18	1	R: 69
	<i>Twilight Zone.</i>	tvseries		2	13	2	1	18	1	R: 69
Blish, James	<i>Case of Conscience, A.</i>	no	1	9	4	3		17	1	R: 24
Brunner, John	<i>Stand on Zanzibar.</i>	no		7	3	4	3	17	1	R: 59
Delany, Samuel R.	<i>Babel-17.</i>	no	1	8	4	2	2	17	1	R: 10
Forster, E. M.	"Machine Stops, The."	sf	3	4	3	4	3	17	1	R: 67
Merril, Judith, ed.	<i>Best SF</i> [aka: <i>Year's Best SF</i> ; series-various volumes].	bk-anth- series		2	1	14		17	13	R: 15
	<i>Avengers.</i>	cb			17			17	1	R: 70
Atwood, Margaret	<i>Handmaid's Tale, The.</i>	no				4	12	16	1	R: 36
Carroll, Lewis	<i>Alice's Adventures in Wonderland.</i>	no	1	2	5	3	5	16	1	R: 48
Dante Alighieri	<i>Divine Comedy, The..</i>	po	1	5	6	2	2	16	1	R: 58

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959-1969	1969-1979	1980-1989	1990-1999	2000-2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Le Guin, Ursula K.	<i>Tombs of Atuan, The.</i>	no		1	7	3	5	16	1	R: 01
Moore, C. L.	"No Woman Born."	sf	1			3	12	16	1	R: 50
Wells, H. G.	<i>Modern Utopia, A.</i>	no	1	7	3	4	1	16	1	R: 03
	<i>Bible. Matthew.</i>	rel txt		4	4	6	2	16	1	R: 71
Delany, Samuel R.	<i>Trouble on Triton [aka: Triton].</i>	no			6	2	7	15	1	R: 10
Ellison, Harlan, ed.	<i>Dangerous Visions [series; Dangerous Visions; Again, Dangerous Visions; The Last Dangerous Visions [never pubd]]</i>	bk-anth-series	2	5	2	4	1	15	4	R: 27
Joyce, James	<i>Finnegan's Wake.</i>	no		7	3	3	2	15	1	R: 54
Joyce, James	<i>Ulysses.</i>	no	1	4	3	3	4	15	1	R: 54
Le Guin, Ursula K.	<i>Eye of the Heron, The.</i>	no			2	1	12	15	1	R: 01
Stapledon, Olaf	<i>Last and First Men.</i>	no	1	6	3	5		15	1	R: 42
Vonnegut, Kurt, Jr.	<i>Slaughterhouse-Five.</i>	no		4	4	4	3	15	1	R: 22
	<i>Bible. New Testament.</i>	rel txt		3	4	6	2	15	1	R: 72
	<i>E. T.: The Extraterrestrial.</i>	film			7	6	2	15	1	R: 72
Asimov, Isaac	"Nightfall."	sf	1	9	3		1	14	1	R: 04
Delany, Samuel R.	<i>Einstein Intersection, The.</i>	no		6	5		3	14	1	R: 10
Dick, Philip K.	VALIS.	no			4	4	6	14	1	R: 05

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Homer	<i>Illiad, The .</i>	po		2	3	5	4	14	1	R: 50
Merril, Judith	"That Only a Mother."	sf			3	5	6	14	1	R: 15
Asimov, Isaac	<i>Caves of Steel.</i>	no		2	5	4	2	13	1	R: 04
Asimov, Isaac	<i>Foundation</i> [novel].	no		3		4	6	13	1	R: 04
Asimov, Isaac	<i>Second Foundation.</i>	no		3	2	4	4	13	1	R: 04
Clarke, Arthur C.	<i>Against the Fall of Night.</i>	no			6	3	4	13	1	R: 06
Heinlein, Robert A.	<i>Have Spacesuit Will Travel.</i>	no				7	6	13	1	R: 02
Heinlein, Robert A.	<i>Puppet Masters, The.</i>	no		2	3	4	4	13	1	R: 02
Le Guin, Ursula K.	"Ones Who Walk Away from Omelas, The."	sf			3	1	9	13	1	R: 01
Miéville, China	<i>Scar, The.</i>	no					13	13	1	R: 31
Simak, Clifford	<i>City.</i>	bk-coll-sf	1	7		1	4	13	1	R: 29
Stapledon, Olaf	<i>Star Maker.</i>	no	3	3	3	4		13	1	R: 42
Sturgeon, Theodore	<i>More Than Human.</i>	no	2	3	5	1	2	13	1	R: 42
Twain, Mark	<i>Adventures of Huckleberry Finn, The.</i>	no		3	2	5	3	13	1	R: 53
Wells, H. G.	<i>Invisible Man, The.</i>	no	3	1	1	5	3	13	1	R: 03
	<i>Metropolis .</i>	film	1	2	1	5	4	13	1	R: 74

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959-1969	1969-1979	1980-1989	1990-1999	2000-2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
	<i>Warlock .</i>	cb			13			13	1	R: 74
Asimov, Isaac	<i>Foundation and Empire.</i>	no		2	1	4	5	12	1	R: 04
Bester, Alfred	<i>Stars My Destination, The</i> [aka: <i>Tiger! Tiger!</i>].	no	2	3	2	4	1	12	1	R: 47
Clarke, Arthur C.	<i>City and the Stars, The</i> [expanded version of: <i>Against the Fall of Night</i>].	no		2	5	3	2	12	1	R: 06
Delany, Samuel R.	<i>Nova.</i>	no		4	5		3	12	1	R: 10
Dick, Philip K.	<i>Martian Time-slip.</i>	no		1	2	4	5	12	1	R: 05
Ellison, Harlan	"I Have No Mouth, and I Must Scream."	sf		3		7	2	12	1	R: 27
Heinlein, Robert A.	<i>Beyond This Horizon.</i>	no	2		1	4	5	12	1	R: 02
Heinlein, Robert A.	<i>Star Beast.</i>	no			2	5	5	12	1	R: 02
Heinlein, Robert A.	<i>Time for the Stars.</i>	no		1	1	5	5	12	1	R: 02
Herbert, Frank	<i>Dune series-trilogy-tetology.</i>	series		1	5	4	2	12	1	R: 16
Le Guin, Ursula K.	<i>Tehanu.</i>	no				5	7	12	1	R: 01
MacDonald, George	<i>Phantastes.</i>	no	1	1	4	4	2	12	1	R: 46
Shakespeare, William	<i>King Lear.</i>	dr		3	4	3	2	12	1	R: 08
Tolkien, J. R. R.	<i>Hobbit, The.</i>	no		2	3	3	4	12	1	R: 19

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959-1969	1969-1979	1980-1989	1990-1999	2000-2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
Twain, Mark	<i>Connecticut Yankee in King Arthur's Court, A.</i>	no		2	6	2	2	12	1	R: 53
Verne, Jules	<i>De la Terre à la lune</i> [aka: <i>From the Earth to the Moon.</i>]	no		1		7	4	12	1	R: 25
	<i>Alien.</i>	film			4	2	6	12	1	R: 75
	<i>Battlestar Galactica</i> [Reimagined Series].	tvseries					12	12	1	R: 75
	<i>Star Wars.</i>	film series			3	3	6	12	1	R: 75
Heinlein, Robert A.	<i>Podkayne of Mars.</i>	no		3	2	3	3	11	1	R: 02
Heinlein, Robert A.	<i>Space Cadet.</i>	no			2	5	4	11	1	R: 02
Le Guin, Ursula K.	"Vaster Than Empires and More Slow."	sf		3	1	2	5	11	1	R: 01
Le Guin, Ursula K.	<i>City of Illusions.</i>	no		1	4	3	3	11	1	R: 01
Le Guin, Ursula K.	<i>Rocannon's World.</i>	no		1	2	3	5	11	1	R: 01
Lewis, C. S.	<i>Space/Ransom</i> Trilogy.	series		2	4	4	1	11	1	R: 14
Lovecraft, H. P.	"Call of Cthulhu, The."	sf	1		3	1	6	11	1	R: 09
Russ, Joanna	"When It Changed."	sf		1	4	1	5	11	1	R: 33
Shakespeare, William	<i>Macbeth.</i>	dr			3	8		11	1	R: 08
Tiptree, James, Jr.	"Houston, Houston, Do You Read?"	sf			4	1	6	11	1	R: 13

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
van Vogt, A. E.	<i>Slan.</i>	no	1	2	2	5	1	11	1	R: 43
	<i>Tao Te Ching .</i>	rel txt		2	4		5	11	1	R: 76
Bellamy, Edward	<i>Equality.</i>	no	1	2	5	1	1	10	1	R: 35
Butler, Octavia E.	<i>Xenogenesis [aka: Lilith's Brood; trilogy-omnibus].</i>	series					10	10	1	R: 40
Campbell, John W., Jr.	"Who Goes There?"	sf	1	4	2		3	10	1	R: 23
Clarke, Arthur C.	"Sentinel, The."	sf		2	6	1	1	10	1	R: 06
del Rey, Lester	"Helen O'Loy."	sf	1	1	1	3	4	10	1	R: 58
Dick, Philip K.	<i>Three Stigmata of Palmer Eldritch, The.</i>	no		2	2	1	5	10	1	R: 05
Gernsback, Hugo	"Baron Münchhausen's Scientific Adventures."	sf series		2		7	1	10	8	R: 51
Gunn, James, ed.	<i>Road to Science Fiction, The . [6v. Set & series]</i>	bk-anth- series			1	8	1	10	7	R: 45
Heinlein, Robert A.	<i>Double Star.</i>	no		1	2	4	3	10	1	R: 02
Heinlein, Robert A.	<i>Red Planet.</i>	no			2	3	5	10	1	R: 02
Heinlein, Robert A.	<i>Rocket Ship Galileo.</i>	no			1	4	5	10	1	R: 02
Heinlein, Robert A.	<i>Time Enough for Love.</i>	no		1		6	3	10	1	R: 02
Heinlein, Robert A.	<i>Tunnel in the Sky.</i>	no			1	3	6	10	1	R: 02

**Table 7.4.1.3.a. (continued):
The Most Frequently Referenced Primary Works by the Most Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		Overall Rank
			1959-1969	1969-1979	1980-1989	1990-1999	2000-2009	v1-50	1959-2009	
			# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Wks	
James, Henry	<i>Turn of the Screw, The.</i>	no			5	1	4	10	1	R: 64
Kafka, Franz	"Metamorphosis, The."	sf		1	6	1	2	10	1	R: 66
Le Guin, Ursula K.	"Nine Lives."	sf		4	5		1	10	1	R: 01
Le Guin, Ursula K.	<i>Planet of Exile.</i>	no		1	2	2	5	10	1	R: 01
Miéville, China	<i>Perdido Street Station.</i>	no					10	10	1	R: 31
Morris, William	<i>News from Nowhere.</i>	no		2	3	3	2	10	1	R: 64
Tolkien, J. R. R.	<i>Fellowship of the Ring.</i>	no		3	3	3	1	10	1	R: 19
Wells, H. G.	<i>Men Like Gods.</i>	no	1	4	3	2		10	1	R: 03
	<i>Close Encounters of the Third Kind .</i>	film			4	4	2	10	1	R: 77
	<i>Forbidden Planet.</i>	film		2	3	3	2	10	1	R: 77
	<i>Star Wars.</i>	med fr			1	3	6	10	1	R: 77

Note: Work Type Abbreviations: **bk-anth-sf** = book anthology of short fictions edited by primary author; **bk-coll-sf** = book collection of short fictions by that author; **cb** = comic book or graphic novel; **film** = motion picture; **med fr** = media franchise; **no** = novel; **po** = poem; **rel txt** = religious text; **series** = collective title for a series of works; **sf** = short fiction; **tv** = television.

Note: # Pri[mary] Ref[erence]s is the total of both Formal and Informal References given to a work.

Note: # Pri Wks = # of Different Primary Works by Primary Author which are counted.

Note: See Appendix I--Part C for a more complete listing of most frequently referenced works.

to be favored by the scholar-critics over all the others; for example, H. P. Lovecraft gained 162 references to 67 works, but only the short fiction “The Call of Cthulhu” gained 11 references, and his remaining 66 referenced titles share the rest of the 151 references (references=1-8). A few other of the higher ranking authors may have two titles on the list, but they so dominate the attention of the scholars that the other works referenced may not have any chance to shine; for example, Ray Bradbury has 113 references to 32 different works, but only his novel *Fahrenheit 451* (29 references) and the collection *The Martian Chronicles* (28) had a chance to be on the list. Admittedly, some of the 30 other works referenced are stories which are part of the *Martian Chronicles* story cycle and had the decision been taken to incorporate the constituent stories into the count for the collection it would have ranked even higher than it does; yet another reminder that how the bibliometrician decides to divide up the data will have an effect upon the final results.

The aforementioned more widely read scholars and long-time avid readers and viewers of print and mediated F&SF works are even more likely to recognize the 166 works on this main list of most frequently referenced works, and, it is probable that they have read or viewed many, if not a majority, of them. While Le Guin (17 works) and Heinlein (15 works) dominate this list, due to the outsized proportion of references they and their works received (563 and 519 respectively), there are an additional eight women (10 works total) on the list, an anonymous work (*Beowulf*), and 27 collaborative works, including seven religious or spiritual works and 20 other titles. Most of the list could serve a graduate student or beginning scholar as a respectable recommended reading list for both historical background and as identification of many of the pre-2010

highpoints of modern F&SF literature and media, though many would probably like to add additional works from female authors and people of color as well as more individual short fictions and possibly some specific television series episodes. It could also be the basis for an instructor to provide a list of suggested titles to a class for supplemental reading or viewing, or as a source for essay topics beyond those titles to be found on the course syllabus.

A check of the data for those authors who had received 10-19 references pointed out an additional 16 works which had attained the 10 references threshold, even if their authors had not also gained the 20 references minimum overall; thus, a supplementary list of these works by the (somewhat) less frequently referenced authors was then added as Table 7.4.1.3.b. below. Some of these additional titles augment the historical background works of the field (Bacon's *New Atlantis*; Kepler's *Somnium*), others might be considered more important to the wider field of the fantastic (Čapek's play *R.U.R.: Rossum's Universal Robots* which introduced the term 'robot' to the English vocabulary; Stoker's *Dracula*; Baum's children's classic *The Wizard of Oz*) than their position on such a supplemental list might imply. Gilman's feminist utopia, *Herland*, adds another work by a woman, bringing the number of female authors to ten. Three of these 16 additional authors and works also add to the non-English flavor of the frequently referenced works list, with Čapek, like his contemporary Jan Weiss, writing in Czech, Cervantes in Spanish, and Kepler, though a German, writing his *Somnium* in Latin as More did his *Utopia*. The reasoning and considerations which led to this supplemental list again point out the importance of understanding how a bibliometrician decides to code and analyze the data and rank the findings.

Table 7.4.1.3.b.:
The Most Frequently Referenced Primary Works by Less Frequently Referenced Authors:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Totals:		
			1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	# Pri Refs	# Pri Wks	Overall Rank
Čapek, Karel	<i>R. U. R.: Rossum's Universal Robots.</i>	dr	1	4	3	7		15	1	R: 68
Spenser, Edmund	<i>Faerie Queene, The.</i>	po		3	4	2	6	15	1	R: 71
Skinner, B. F.	<i>Walden Two.</i>	no	2	4	4	3	1	14	1	R: 73
Lindsay, David	<i>Voyage to Arcturas, A.</i>	no	1	2	6	2	2	13	1	R: 69
Stoker, Bram	<i>Dracula.</i>	no			3	5	4	12	1	R: 75
Bacon, Francis, Sir	<i>New Atlantis.</i>	no	2	3	1	2	2	10	1	R: 77
Baum, L. Frank	<i>Wizard of Oz, The.</i>	no		1	1	1	7	10	1	R: 75
Cervantes Saavedra, Miguel	<i>Don Quixote.</i>	no	2	1	3	2	2	10	1	R: 76
Ellis, Edward S.	<i>Huge Hunter, The; or, The Steam Man of the Prairies.</i>	no			8	1	1	10	1	R: 76
Gilman, Charlotte Perkins	<i>Herland.</i>	no			4	4	2	10	1	R: 75
Kepler, Johannes	<i>Somnium.</i>	no	2	3	3	1	1	10	1	R: 77
Malory, Thomas, Sir	<i>Morte D'Arthur, Le.</i>	bk-coll-sf		3	1	2	4	10	1	R: 74
Nowlan, Philip Francis	<i>Armageddon 2419 A.D.</i>	no			8	2		10	1	R: 72

**Table 7.4.1.3.b. (continued):
The Most Frequently Referenced Primary Works by Less Frequently Referenced Authors**

PRIMARY AUTHOR Referenced	Primary Work Referenced	P Wk Type	v1-10	v11-20	v21-30	v31-40	v41-50	Total: v1-50 1959-2009		
			1959-1969	1969-1979	1980-1989	1990-1999	2000-2009	# Pri Refs	# Pri Wks	Overall Rank
Pynchon, Thomas	<i>Gravity's Rainbow.</i>	no		1	5	1	3	10	1	R: 68
Shute, Neville	<i>On the Beach.</i>	no		2	4	1	3	10	1	R: 77
Wordsworth, William	<i>Prelude, The.</i>	po		1	3	1	5	10	1	R: 70

Note: The less frequently referenced authors are those who were referenced between 10-19 times, and who had a primary work with 10 or more references.

Note: Work Type Abbreviations: **bk-coll-sf** = book collection of short fictions by that author; **no** = novel; **po** = poem; **rel txt** = religious text.

Note: # Pri[mary] Ref[erence]s is the total of both Formal and Informal References given to a work.

Note: # Pri Wks = # of Different Primary Works by Primary Author which are counted.

Combining these two lists of most frequently referenced primary works results in a total of 182 titles. As seen in Table 7.4.1.3.c. below the majority of these titles are novels (110 titles; 60.4%), followed at some distance by the short fictions, which

Table 7.4.1.3.c.:						
The Most Frequently Referenced Types of Primary Works:						
<i>Extrapolation's</i> First Five Decades, Volumes 1-50, December 1959-Fall 2009						
Publication Work Type	Most Frequently Referenced Works					
	Most Frequently Referenced Authors		Less Frequently Referenced Authors		Total	
	# Works	% Works	# Works	% Works	# Works	% Works
Works with 10 or More References by Primary Authors						
Book Anthology Series	3	1.8%			3	1.7%
Book Collections: Short Fictions	3	1.8%	1	6.3%	4	2.2%
Dramas & Plays	4	2.4%	1	6.3%	5	2.8%
Novels	98	59.0%	12	75.0%	110	60.4%
Poems	6	3.6%	2	12.5%	8	4.4%
Series	6	3.6%			6	3.3%
Short Fictions	17	10.2%			17	9.3%
Short Fiction Series	1	0.6%			1	0.5%
Collaborative Works with 10 or More References						
Comics & Graphic Novels	3	1.8%			3	1.6%
Film Series	1	0.6%			1	0.5%
Films	8	4.8%			8	4.4%
Media Franchises	2	1.2%			2	1.1%
Religious Texts	7	4.2%			7	3.8%
Television Series	7	4.2%			7	3.8%
All Most Frequently Referenced Works with 10 or More References						
Totals:	166	100.0%	16	100.0%	182	100.0%
Note: Data based on works listed in Tables 7.4.1.3.a. and 7.4.1.3.b.						

should include the short fiction series and the book collections of short fictions, totaling 22 titles (12.1%). The various non-religious collaborative works total 21 titles (11.5%). Modern fantasy and science fiction became more widely known through the stories published in the gaudy-covered pulp magazine which published primarily short fictions sometimes together with one part of a serialized novel, and which appeared on city newsstands, in bus depots, and in drugstores. In the post-World War II era, some of those serialized novels were published in hardcovers, found in bookstores, and even libraries, or released in the newly popular mass market paperback format. The paperback form was so popular that some of the titles on the most frequently referenced works list were originally published in paperback and only later or overseas published in hardcovers, e.g., William Gibson's *Neuromancer*, Joanna Russ' *The Female Man*. The films, and later television series, benefited from the development of home VHS and DVD systems as aids to the spread of knowledge of these works and then to their subsequent study.

Originally, a lengthier list of most frequently referenced works was constructed, wherein it was attempted to provide for each of the 118 most frequently referenced authors a chance to have at least two works on the most frequently referenced works listing, even if the second work (or even the first) had not accrued the 10+ references used to construct Table 7.4.1.3.a. above. If the first or the second work was tied with another, that second or third (or fourth or fifth) work would also make the list provided it had the same number of references, even if this meant going to extreme lengths as with, for example, Saberhagen (26 references; 16 works) who had 10 works with two references each, plus an additional six works with one reference each subsumed under

the listing “Works w/ 1 Ref only”. The bibliometrician, coming finally to her senses, turned her heart to stone, and made the 10+ references the standard by which a work would make the list above. This is the explanation for why only 63 of the 118 authors (53.4%) have specific primary works on the most frequently referenced works list here, but also why the original list, in Appendix I—Part C, has 427 primary works, only some of which made the first list above.

7.4.1.4. *Galactic Center: What Is a Core?*

The present questions, as initially asked as C.10., were: *Which authors or creators of primary works are most frequently formally or informally referenced; is there a core? What specific primary works of these creators are most frequently referenced; is there a core of referenced primary works?*

How does one define a core? In traditional bibliometric studies the term ‘core’ is used in such terms as ‘core and scatter’, ‘core journal’, or ‘core zone’, with perhaps a nod to their basis in ‘Bradford’s law of scattering’. As defined by **Diodato (1994: 51)** core and scatter is “[t]he idea that a comprehensive search of a given topic over a given period of time will uncover a collection of items (usually articles) from various sources (usually journals)” and that “a few [journals] will be very productive and account for many more articles than any other [the core]” and “many journals will be very unproductive and publish only one or two articles each on the given topic during the specified time . . . articles in these journals are said to be scattered among the journals”. As an example, one might have a set of 143 journals during a particular time period which have 1,018 articles on a particular topic; the list of journals ranked by their

production of articles from the most to fewest articles could then be divided into three approximately equal groups, which might yield a first zone or central core of 7 highly productive journals with 340 articles, a second zone or middle of 16 journals with 322 articles, and a third zone or outer core of 120 journals with 356 articles. The seven very productive journals would be the core. One could of course divide one's pool of documents into approximately equal quarters or fifths or however many zones seems appropriate and reasonable to the data one has.

To translate this from the number of articles published in some number of journals, we have authors and works referenced in varying numbers within the pages of fifty years of the journal *Extrapolation*. Into how many zones might one divide the authors or the works? The core of the core, as it were, of the authors could be considered to be Ursula K. Le Guin with her 563 references received, and Robert Heinlein with his 519 references. Spreading out from these first two very highly ranked individuals down through the references received to the eighty-sixth rank (or zone) of those authors who received only one reference for a single work and one can see the core and scatter principle at work particularly in the lower reaches of Table 7.4.1.1. above where the female, male, and gender unknown groups of authors are divided into those with 19, 18, 17, . . . 3, 2, 1 references received. The final group with only one reference received are the most scattered of the scattered authors and works, all 1,073 of them. To these solo author/work individuals, one could add the 148 solo referenced anonymous works, and the 830 single-referenced collaborative works for a total of 2,051 most widely scattered titles.

When considering just the authors, as was noted above the 118 most frequently referenced comprise 5.85% of the 2,035 named creators, while the lonely 1,073 solo referenced individuals are 52.73% (nine times the size of the most frequently referenced core list) of the named authors which leaves the proportion of remaining authors (844) with 2-19 references at 41.42%. Numerically or proportionally these are *not* three somewhat equal numbers/proportions of authors, so should the 118 highly ranked authors be the core, or could one divide the data otherwise? There are 7,732 references to the 2,819 works of the 118 authors, or 59.05% of the 13,093 references given to 41.69% of all 6,762 works; or, nearly three fifths of the references were given to somewhat more than two-fifths of the works. The 5.85% group of authors when compared with their works and references received would appear to constitute a fairly substantial core out of the original pool of 2,035 authors.

Were one to take only those most frequently referenced authors whose references given totaled half of the whole group of 13,093 primary references, one would reach nearly to the end those who received 36 references. These 75 authors with 36-563 references received (through Zamiatin) could also be considered a tighter core, as could those 15 at the very top of the rankings each with more than a hundred references received. But would each of these narrower slices of the data constitute anything like a satisfyingly representative core? The 15 member core has only three female authors compared with twelve males, and would exclude 'the mother of science fiction' Mary Shelley (77 references) and one of its 'fathers' Jules Verne (74) which would seem to be taking the tightness of the core somewhat to extremes. The 75 member core has 10 female authors to 65 males, which is actually a worse ratio (13.33% vs. 20.00%) than

the tighter proposed 15 member core, while the 118 member list has 19 female authors, to the 98 males, and one gender unknown, a slightly better ratio of 16.10% females that is moving closer to the 17.99% overall female author proportion of the complete list of 2,035 individuals.

When we look at the most frequently referenced works which received 10 or more references each, we have 182 titles total, with 137 works by the most frequently referenced authors and an additional 16 works by the slightly less referenced authors, as well as an anonymous work and 28 titles from the collaborative works group. Taking only those 153 works whose author(s) are known, 28 of these works are by female authors (18.3% of 153 works) and 125 by males (81.7%), including one co-authored work. Taking into consideration only the references received by female- or male-identified authors, overall the females received 17.56% (2,272/12,941) of all references and males 82.44% (10,669/12,941). Whether considering all authors, only the most frequently referenced ones, or just the most frequently referenced works, the proportions of female to male authors referenced is similar. Therefore, considering the various ways of dividing the authors and the works, the top ranked authors list of 118 with 20+ primary references and the works with 10+ primary references received seems to be as reasonable a core as any other way of dividing up this data.

What changes may have been wrought over *Extrapolation's* just completed sixth decade of existence will be interesting to see, in a subsequent post-dissertation analysis.

7.4.2. Unknown Worlds: The Publication Venues Referenced for Primary Works

C.11. *What specific magazines or anthologies are most frequently referenced; is there a core of referenced multi-author publication venues for primary works?*

Once the most frequently referenced creators and primary works are identified, one can turn to the locations where they were published and from which the scholar-critics drew their references to discover if particular serial publications or edited anthologies might have had an influence on the history of the F&SF field as studied by the scholars publishing in *Extrapolation's* first fifty years. Whether for shorter fictions, or for serializations or excerpts of novels, the F&SF magazines played an important role in the development and dissemination of modern Anglo-American F&SF particularly during the six or seven decades after the first publication of *Weird Tales* and *Amazing Stories* in the mid-1920s, though that role has diminished in more recent decades due to changes in the publishing and distribution landscape. Anthologies, both of original and of reprinted materials, have played their role as well, and, particularly when published in hardcovers, have been a staple in libraries, both public and academic, as venues for making these stories and their authors known and available to the public, even when those libraries may not have subscribed to the magazines in the first place or bound and stored them even if they did. Since published texts can be changed over their lives from the first glimmer of a hint of a plot or story idea to the last author-authorized version as published in a posthumous collected works should the creator be so lucky, it can be

important for the development of a collection for research and study to consider the acquisition of the more important, or at least most referenced, of these multi-author publications. The most frequently referenced novels and single author collections may be found in Tables 7.4.1.3.a. and 7.4.1.3.b. above.

7.4.2.1. *Scientifiction: The Most Frequently Referenced Serial Publication Venues*

There were 202 different magazines and journals referenced with a total of 950 references ranging from 1 to a high of 175 references, while there were only 13 newspapers with a combined total of 20 references (1-4 references each). Of these 215 titles, only 32 of them accrued the 5+ minimum references to appear on Table 7.4.2.1. below; for the complete list, see Appendix J—Part A. A total of 56 F&SF magazines appear on the complete list, with the most frequently referenced 17 titles on prominent display below along with 6 of the 53 comic book titles and 9 of 93 other non-F&SF and non-comics magazines and journals which published the referenced manifestations of the primary works analyzed in the data set.

The first six titles in the list are all F&SF titles, starting with *Astounding-Analog* (175 references), initially as *Astounding Stories of Super-Science* in January 1930, through various permutation to today's relatively sedate title *Analog Science Fiction and Fact*, which completed its ninetieth year at the end of 2019. The second most frequently referenced title is *Amazing Stories* (1926-date, with several hiatuses and title variants) with 84 references received, fewer than half of *Analog's*. Third ranked *Magazine of Fantasy & Science Fiction* (62 references) recently celebrated the

Table 7.4.2.1.:
Publication Venues: Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

<i>Serial Title / Alternate Title(s)</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Astounding / Analog</i> [f&sf]		3	23	14	25	17	52	1	24	16	124	51	175
<i>Amazing Stories / Amazing Science Fiction</i> [f&sf]			13	2	13	4	30	12	7	3	63	21	84
<i>Magazine of Fantasy & Science Fiction</i> [f&sf]			3	1	21	2	25	1	6	3	55	7	62
<i>Galaxy Science Fiction / Galaxy Magazine</i> [f&sf]	1	4	3	3	24	1	4	2	3	1	35	11	46
<i>Wonder Stories / Thrilling Wonder Stories</i> [f&sf]			8		4	12	5	1	5	5	22	18	40
<i>Weird Tales</i> [f&sf]			1			3	18		1	5	20	8	28
<i>Mystery in Space</i> [cb]									20	5	20	5	25
<i>Avengers</i> [cb]					11	6					11	6	17
<i>If / Worlds of If</i> [f&sf]			10		4		3				17		17
<i>Thrills Incorporated</i> [f&sf]										15		15	15
<i>Adventure</i>					3	11					3	11	14
<i>New Worlds / New Worlds Science Fiction / New Worlds Quarterly</i> [f&sf]			1	1	5		1		1	5	8	6	14
<i>Warlock</i> [cb]					12	1					12	1	13

**Table 7.4.2.1. (continued):
 Publication Venues: Serial Publications Publishing Primary Works:
 Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade**

<i>Serial Title / Alternate Title(s)</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Saturday Evening Post</i>		3			1		2		5	1	8	4	12
<i>Startling Stories</i> [f&sf]			1		3	1	4		2	1	10	2	12
<i>All-Story Magazine / [Golden] Argosy / Argosy All-Story / Argosy Weekly / The Argosy</i>					3		3	2	2	1	8	3	11
<i>Amazing Stories Quarterly</i> [f&sf]	1		4	1	1	2		1		1	6	5	11
<i>Asimov's Science Fiction / Isaac Asimov's Science Fiction Magazine</i> [f&sf]						1	9		1		10	1	11
<i>Modern Electrics / Electrical Experimenter / Science and Invention</i>			1	2			6		1	1	8	3	11
<i>Wonder Woman</i> [cb]									2	7	2	7	9
<i>Boys of New York</i> [story paper]					8						8		8
<i>Hulk / Incredible Hulk</i> [cb]					6	2					6	2	8
<i>Collier's</i>	1	2			3		1				5	2	7
<i>Cosmopolitan</i>		2			1			1	1	1	2	4	6
<i>Extrapolation</i> [scholarly; f&sf]						4				2		6	6
<i>Fantastic Adventures</i> [f&sf]							6				6		6
<i>New Yorker</i>	1	2			1				1	1	3	3	6
<i>Omni</i> [f&sf]					2		3	1			5	1	6
<i>Thor</i> [cb]					6						6		6

**Table 7.4.2.1. (continued):
 Publication Venues: Serial Publications Publishing Primary Works:
 Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade**

<i>Serial Title / Alternate Title(s)</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009			
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All	
<i>Air Wonder Stories</i> [f&sf]						3	2					2	3	5
<i>Future Fiction / Future combined with Science Fiction / Future Science Fiction</i> [f&sf]					1		3		1			5		5
<i>Playboy</i>			1	1	2	1						3	2	5
9 Magazines, Journals, & Newspapers with 4 Refs														36
18 Magazines, Journals, & Newspapers with 3 Refs														54
23 Magazines, Journals, & Newspapers with 2 Refs														46
133 Magazines, Journals, & Newspapers with 1 Ref														133

Note: Serial titles may indicate alternate titles; **cb** = comic books; **f&sf** = fantasy and science fiction prozines; **sp-fmz-aj** = semi-prozines, fanzines and other amateur journalism publications.

Note: Newspapers indicate country of origin: France [**FR**]; Germany [**DE**]; United Kingdom [**UK**], or United States [**US**].

Note: For complete list of magazines, journals, and newspapers, see Appendix J--Part A.

commencement of its seventy-first year with its September-October 2019 issue, and, with *Asimov's Science Fiction* (11 references), completes the quartet of still extant F&SF fiction magazines on this table (*Extrapolation* is, obviously, still extant, but is a scholarly not a fiction-oriented publication, despite having six informal primary works references). Many of the F&SF titles ceased publication even before *Extrapolation* saw the light of day, but they are still of interest to some scholars and aficionados, and there are stories published in them that have not yet been reprinted (whether for good or ill is in the eye and mind of the reader or scholar). That there are so many comic book titles is not surprising, considering the high proportion of popular comic book titles which have science fictional or fantastic rationales for their main characters and story lines (being bitten by a radioactive spider? the ability to fly on Earth because one was born on another planet with a different type of sun or gravity?). The other, non-F&SF/-comics titles on the complete list are a mixture of fiction magazines from *Argosy-All Story* to the *New Yorker*, general interest periodicals, semi-prozines and fanzines, newspapers, a story paper, and occasional scholarly or academic quarterlies.

7.4.2.2. *The Pocket Book of Science Fiction: The Most Frequently*

Referenced Anthology Publication Venues

The anthologies on Table 7.4.2.2. below and the lengthier list in Appendix J—Part B are primarily devoted to short fiction, with occasional poetry or illustrations or non-fiction pieces; some are anthologies reprinting materials from the F&SF magazines and other sources, others published only new materials, and some a mix of older and new publications. There are several long-running anthology series on the list, as well as

**Table 7.4.2.2.:
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

<i>Anthology Title(s). Editor(s).</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Science Fiction Hall of Fame, The.</i> Ed. Robert Silverberg; Ed. Ben Bova. [2 v. set].			6	5	3	2	6		3		18	7	25
<i>Dangerous Visions.</i> Ed. Harlan Ellison. [1967]; <i>Again, Dangerous Vision.</i> Ed. Harlan Ellison. [1972]; <i>The Last Dangerous Visions.</i> Ed. Harlan Ellison. [never pubd]	2		3	5	1	2	5	2	2	1	11	12	23
<i>Road to Science Fiction, The, #.</i> Ed. James Gunn. [6 v. set]					5		6	4	5		16	4	20
<i>Adventure's Best Stories--1926.</i> Ed. Arthur Sullivant Hoffman.					19						19		19
<i>SF: The Year's Greatest Science-Fiction and Fantasy / Year's Best S-F.</i> Ed. Judith Merrill. [anthology series]	1		1	1	1		13	2			15	4	19
<i>Other Worlds, Other Seas.</i> Ed. Darko Suvin.							1			14	1	14	15
<i>Women of Wonder.</i> Ed. Pamela Sargent. [anthology series; aka: <i>More Women of Wonder</i> ; <i>Women of Wonder: The Classic Years</i> ; <i>Women of Wonder: Contemporary Years.</i>]				2	1		4		7	1	12	3	15
<i>Best American Short Stories.</i> Various editors. [anthology series]							10	2			10	2	12

**Table 7.4.2.2.:
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

<i>Anthology Title(s). Editor(s).</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Best of Fantasy and Science Fiction, The: [#] Series.</i> Various editors. [anthology series]			2		2		1		6		11		11
<i>English Folk and Fairy Tales.</i> Ed. Joseph Jacobs. 3rd ed rev.					1	10					1	10	11
<i>Frank Reade Library, The.</i> Ed. E. F. Bleiler. [10 v. set]					11						11		11
<i>Thieves' World.</i> Ed. Robert L. Asprin. [anthology series with various titles]							10		1		11		11
<i>Fantasia Mathematica.</i> Ed. Clifton Fadiman.					10						10		10
<i>Norton Anthology of English Literature, The.</i> Ed. M. H. Abrams et al. [multiple editions]					2	1	3	4			5	5	10
<i>Year After Tomorrow, The: An Anthology of Science Fiction Stories.</i> Ed. Lester del Rey; Cecile Matschat; Carl Carner.						10						10	10
<i>Clones.</i> Ed. Jack Dann; Gardner Dozois.									9		9		9
<i>Isaac Asimov Presents the Great SF Stories # (year).</i> Ed. Isaac Asimov, Martin Greenberg. [anthology series]					6		1		2		9		9
<i>Mirror of Infinity, The.</i> Ed. Robert Silverberg.			5	1					3		8	1	9
<i>World's Best Science Fiction: [year] / [Year] Annual World's Best Science Fiction.</i> Ed. Donald A. Wollheim; Terry Carr; Arthur W. Saha. [anthology series]			5		2		2				9		9

**Table 7.4.2.2.:
 Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
 Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

<i>Anthology Title(s). Editor(s).</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Before the Golden Age</i> . Ed. Isaac Asimov.					1	3	2		1	1	4	4	8
<i>Future Perfect: American Science Fiction of the Nineteenth Century</i> . Ed. H. Bruce Franklin.		2	3		1		1		1		6	2	8
<i>Norton Book of Science Fiction, The</i> . Ed. Ursula K. Le Guin; Brian Attebery.							2		3	3	5	3	8
<i>Zoo-fantascienza</i> [<i>Science Fiction Zoo</i> . Ed. Robert Silverberg. Italian edn]; w/ additional stories Ed. Inisero Cremaschi.						8						8	8
<i>Arabian Nights</i> . Various editions.				2				2		3		7	7
<i>Mathematical Magpie, The</i> . Ed. Clifton Fadiman.					6	1					6	1	7
<i>New Dimensions</i> #. Ed. Robert Silverberg. [anthology series]			1		2				3	1	6	1	7
<i>Adventures in Time and Space</i> . Ed. Raymond Healy; J. Francis McComas.		2		1	2	1					2	4	6
<i>England Swings SF: Stories of Speculative Fiction</i> . Ed. Judith Merrill.		1	1	1			1	1		1	2	4	6
<i>Liavek</i> . Ed. Will Shetterly; Emma Bull. [anthology series]							6				6		6
<i>Nebula Award Stories # / Nebula Winners #</i> . Various editors.			2		1		2		1		6		6

**Table 7.4.2.2.:
 Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
 Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

<i>Anthology Title(s). Editor(s).</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Astounding Analog Reader.</i> Ed. Harry Harrison; Brian Aldiss.						5						5	5
<i>Aurora: Beyond Equality.</i> Ed. Vonda N. McIntyre; Susan Janice Anderson.			1	1	3						4	1	5
<i>Best of Science Fiction, The.</i> Ed. Groff Conklin.		2	1			1	1				2	3	5
<i>Best Science Fiction of the Year [#], The.</i> Ed. Terry Carr. [anthology series]					2	3					2	3	5
<i>Borderland.</i> Ed. Terry Windling; Mark Alan Arnold.							5				5		5
<i>Daring to Dream: Utopian Stories by United States Women 1836-1919.</i> [1984] [aka: <i>Daring to Dream: Utopian Fiction by United States Women Before 1950.</i> Ed. Carol Farley Kessler. 2nd ed. 1995]					1		3		1		5		5
<i>POLY: New Speculative Writing.</i> Ed. Lee Ballentine.									1	4	1	4	5
<i>Science Fiction: The Science Fiction Research Association Anthology.</i> Ed. Patricia S. Warrick; Charles G. Waugh; Martin H. Greenberg.									5		5		5
<i>Selected Short Stories of Today.</i> Ed. Dorothy Scarborough.							1	4			1	4	5

**Table 7.4.2.2.:
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

<i>Anthology Title(s). Editor(s).</i>	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Spectrum of Worlds, A.</i> Ed. Thomas D. Clareson.				5								5	5
<i>Star Trek: The New Voyages.</i> Ed. Sondra Marshak; Myrna Culbreath. [2 v.]					1			2	2		3	2	5
14 Anthologies with 4 References													56
15 Anthologies with 3 References													45
50 Anthologies with 2 References													100
218 Anthologies with 1 Reference													218

Note: Single anthology, unless noted as anthology series or set. Variant titles noted when known.

Note: For a lengthier list of anthologies, see Appendix J--Part B.

several 'teaching anthologies' intended for the textbook market, thus often handy for reference by the scholar-critic who also teaches. The 337 titles in the data set published 809 of the individual primary work references. That there are 218 anthologies that contributed but a single reference to this data set is yet another demonstration of the core-and-scatter pattern typical of bibliometric studies and distributions.

The most frequently referenced anthology title is the two volume set of *The Science Fiction Hall of Fame*, with shorter, less-than-novel length, works voted upon by members of the Science Fiction (and Fantasy) Writers of America professional organization and edited by Robert Silverberg (1970) and Ben Bova (1973); the first volume, of short fictions has been particularly popular as a classroom text (see section 7.4.3.2. below). The second ranked title, the *Dangerous Visions* series, edited by Harlan Ellison (23 references), is important both for its contents and the controversies provoked by its first two volumes (1967, 1972), as well as the notoriety engendered by the long-promised but never-appearing third volume. The third ranked anthology title, *The Road to Science Fiction*, edited by James Gunn, is a 6 volume historical and international collection and survey of the field. Some of these anthology titles have demonstrated their staying power by being referenced over several decades, others received all of their references in a single article by serving as the handy one-volume source for the scholar-critic, such as those focused on a particular topic, e.g., *Clones*, edited by Jack Dann and Gardner Dozois (9 references). Collections developers or managers can find a variety of anthologies that likely should be part of their collections, whether for a well-rounded literature collection (the top ranked titles, probably), or for one devoted to F&SF (as far down the list as price and availability permit).

7.4.3. The Naming of True Names: The Primary Works: Canon? Widely Assigned? Neglected or Ignored?

C.12. *What comparisons may be made between the primary works referenced in Extrapolation and the primary works listed on “A Draft of the Science-Fiction Canon to be proposed at The 1961 MLA Conference on Science Fiction” presented in Extrapolation (Hillegas 1961), with the lists of most widely assigned authors, books, anthologies, and films reported in Science Fiction Studies’ special section on “Science Fiction in Academe” (Evans and Mullen 1996: 525-526), and, with the primary authors or works identified as ‘neglected’ in Science Fiction Studies’ November 1993 survey of writers and critics on “Unjustly Neglected Works of Science Fiction” (Science Fiction Studies Editors 1993)?*

Contemporary humans seem to love lists and listicles if one may go by the plethora of the Year’s [Decade’s, Century’s, All Time] Best [Most Important, Top, Essential – maybe with a number, 10, 25, and 100 being favorites] *Something-Something-Gazpacho* that appear in magazines and newspapers, on tv talk shows, and in blogs and on other websites together with lists of award-winning these, those, and the others. These lists may be based on the personal opinion of the list creator, or may be the result of a survey of experts (or enthusiasts) in the Gazpacho field conducted with more or less rigor usually depending upon the time constraints under which the surveyor is working. Academe is not immune to such lists.

While the data presented in this dissertation are not the personal opinion of the dissertator, the characterization of some of the elements captured and characterized by her may, in the eyes of some, be debated. The identification of the primary authors and their works or of the collaborative works, and the number of times they have been referenced within the span of *Extrapolation's* first fifty years of existence, should probably be some of the less debatable elements of this data. The question arises of so what else could this data tell us about F&SF scholarship? Is the list of 118 most frequently referenced authors or the 182 most frequently referenced primary works, or some more limited version of them, a list of 'canonical authors' with which *everyone* should be conversant? Or, should they at least be known to those are experts in, or scholars of, the field? What could those who teach in the field do with such lists or this data? Would those scholars and other experts in the field agree with the findings herein reported or might they ask "but, but, but, . . . what about author X, or work Y?" or, "didn't the scholar-authors of the articles not consider A, B, and C, or even X, Y, or Z?"

Well . . . there are a couple of lists . . .

7.4.3.1. *New Maps of Hell: The Canon*

The term canon is used in two senses in literary study: "the totality of a given author's known works" and "the list of authors and works in a nation's literary heritage" (**Altick and Fenstermaker 1993: 6**). At this point in the definition some might contend that 'literary heritage' should be modified with a term like 'authoritative' or 'classic' or 'essential' so that such a heritage list would contain only those works (or authors) considered by those in authority (another contentious concept) to be classics, or

essential to a broad (elite) liberal education. Indeed, **Altick and Fenstermaker** continue “. . . nation’s literary heritage—always unstable, but more so at certain times than at others—that are deemed most significant and the most deserving of sustained, intensive study. In the latter sense, the current term ‘revision of the canon’ simply refers to the normal, ongoing process that is otherwise called ‘changes in literary taste.’”

Before the upheavals of the ‘canon wars’ of the 1990s and the increase in importance of theory in literary studies, there was a modest proposal, “A Draft of the Science-Fiction Canon to be proposed at The 1961 MLA Conference on Science Fiction” as presented by Mark R. Hillegas in *Extrapolation*’s December **1961** issue. **Hillegas (26)** says that “[t]he original draft of this canon was compiled from various lists sent by members of the MLA Conference on Science Fiction and supplemented by my own recommendations.” This proposal was published just before the fourth Conference session (Thursday, 28 December) entitled “Science Fiction: An Index to the Human Situation in the Space Age” whose discussion leader was to be Prof. Hillegas. If there was discussion of the canon proposal, its contents or deficiencies, at the Conference session or later, I have not yet found any published evidence of it, and only a single mention of the canon proposal itself in **Hassler**’s overview of the academic pioneers of SF criticism (**1999: 227**). Did this proposed canon have any influence, recognized or not, upon the scholar-authors who wrote about F&SF and who submitted their article(s) to and then were chosen to be published in *Extrapolation*?

The proposed canon consists of 112 texts chronologically arranged from most recent to oldest in a numbered list of 108 items (two items list two related novels, and a third has three short fictions) as shown in Table 7.4.3.1. below and arranged by the

**Table 7.4.3.1.:
1961 Draft Science Fiction Canon
Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	Canon #	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Orwell, George	<i>1984</i> . 1949.	novel	C-031	Au=087	Wk=077
Wells, H. G.	<i>Time Machine, The</i> . 1895.	novel	C-076	Au=328	Wk=073
Shelley, Mary	<i>Frankenstein</i> . 1818.	novel	C-099	Au=077	Wk=071
Huxley, Aldous	<i>Brave New World</i> . 1932.	novel	C-052	Au=086	Wk=066
Wells, H. G.	<i>War of the Worlds, The</i> . 1898.	novel	C-070	Au=328	Wk=053
Swift, Jonathan	<i>Gulliver's Travels</i> . 1726.	novel	C-103	Au=054	Wk=044
Clarke, Arthur C.	<i>Childhood's End</i> . 1953.	novel	C-014	Au=227	Wk=042
Zamiatin, Eugene	<i>We</i> . 1924.	novel	C-058	Au=036	Wk=034
Miller, Walter M., Jr.	<i>Canticle for Leibowitz, A</i> . 1959.	novel	C-002	Au=046	Wk=033
Bradbury, Ray	<i>Fahrenheit 451</i> . 1954.	novel	C-010	Au=113	Wk=029
Bradbury, Ray	<i>Martian Chronicles, The</i> . 1950.	coll-sf	C-027	Au=113	Wk=028
Wells, H. G.	<i>Island of Dr. Moreau, The</i> . 1896.	novel	C-075	Au=328	Wk=028
Pohl, Frederik; Kornbluth, C. M.	<i>Space Merchants, The</i> . 1953.	novel	C-016	Au=096; Au=074	Wk=024
Asimov, Isaac	<i>I, Robot</i> . 1951.	coll-sf	C-023	Au=279	Wk=023
Wells, H. G.	<i>First Men in the Moon, The</i> . 1901.	novel	C-069	Au=328	Wk=022
Gernsback, Hugo	<i>Ralph 124 C41+</i> . 1911.	novel	C-065	Au=038	Wk=020
Lewis, C. S.	<i>Out of the Silent Planet</i> . 1938.	novel	C-045	Au=106	Wk=020
Vonnegut, Kurt	<i>Player Piano</i> . 1952.	novel	C-022	Au=082	Wk=019
Lewis, C. S.	<i>Perelandra</i> . 1944.	novel	C-039	Au=106	Wk=018
Lewis, C. S.	<i>That Hideous Strength</i> . 1945.	novel	C-037	Au=106	Wk=018
Stevenson, Robert Louis	Strange Case of Dr. Jekyll and Mr. Hyde, The. 1886.	sf	C-081	Au=023	Wk=018
Blish, James	<i>Case of Conscience, A</i> . 1958.	novel	C-003	Au=077	Wk=017
Forster, E. M.	<i>Machine Stops, The</i> . 1909.	sf	C-055	Au=020	Wk=017
Čapek, Karel	<i>R.U.R.</i> 1922.	drama	C-059	Au=019	Wk=015
Stapledon, Olaf	<i>Last and First Men</i> . 1930.	novel	C-053	Au=048	Wk=015
Asimov, Isaac	<i>Caves of Steel, The</i> . 1954.	novel	C-009	Au=279	Wk=013
Asimov, Isaac	<i>Foundation</i> . 1952.	novel	C-020	Au=279	Wk=013
Heinlein, Robert	<i>Puppet Masters</i> . 1951.	novel	C-026	Au=519	Wk=013

**Table 7.4.3.1. (continued):
1961 Draft SF Canon Compared with 1959-2009 Extrapolation Article Data**

Author	Work	Type of Work	Canon #	# Refs By AU	# Refs By Work
Stapledon, Olaf	<i>Star Maker</i> . 1937.	novel	C-046	Au=048	Wk=013
Sturgeon, Theodore	<i>More than Human</i> . 1953.	novel	C-018	Au=048	Wk=013
Wells, H. G.	<i>Invisible Man, The</i> . 1897.	novel	C-074	Au=328	Wk=013
Twain, Mark	<i>Connecticut Yankee in King Arthur's Court, A</i> . 1889.	novel	C-079	Au=035	Wk=012
Verne, Jules	<i>From the Earth to the Moon</i> . 1866.	novel	C-087a	Au=074	Wk=012
van Vogt, A. E.	<i>Slan</i> . 1940; 1951.	novel	C-043	Au=046	Wk=011
Bacon, Francis, Sir	<i>New Atlantis, The</i> . 1627.	novel	C-107	Au=010	Wk=010
Kepler, Johann	<i>Joh. Kepleri Mathematici olim imperatorii <u>Somnium</u> seu Opus posthumum de astronomia lunari</i> . 1643.	novel	C-106	Au=010	Wk=010
Clement, Hal	<i>Mission of Gravity</i> . 1953.	novel	C-015	Au=028	Wk=009
Verne, Jules	<i>Journey to the Center of the Earth, A</i> . 1864.	novel	C-088	Au=074	Wk=009
Bester, Alfred	<i>Demolished Man, The</i> . 1953.	novel	C-013	Au=042	Wk=008
Golding, William	<i>Lord of the Flies</i> . 1954.	novel	C-011	Au=019	Wk=008
Haggard, Henry Rider, Sir	<i>She</i> . 1886.	novel	C-080	Au=017	Wk=008
Lytton, Edward Bulwer-, Sir	<i>Coming Race, The</i> . 1871.	novel	C-085	Au=012	Wk=008
Moore, Ward	<i>Bring the Jubilee</i> . 1953.	novel	C-017	Au=009	Wk=008
Verne, Jules	<i>Twenty Thousand Leagues Under the Sea</i> . 1870.	novel	C-086	Au=074	Wk=008
Voltaire, François	<i>Micromégas</i> . 1752.	novel	C-100	Au=019	Wk=008
Smith, Edward E.; Garby, Lee Hawkins	<i>Skylark of Space, The</i> . 1928.	novel	C-056	Au=018; Au=000	Wk=007
Square, A. [pso: Abbott, Edwin A.]	<i>Flatland, A Romance of Many Dimensions</i> . 1884.	novel	C-082	Au=008	Wk=007
Doyle, Arthur Conan, Sir	<i>Lost World, The</i> . 1912.	novel	C-062	Au=033	Wk=006
Holberg, Ludwig, Baron	<i>Jouney to the World-Underground, A. By Nicholas Klinius</i> . 1742.	novel	C-102	Au=008	Wk=006
van Vogt, A. E.	<i>World of Æ, The</i> . 1945; 1948.	novel	C-038	Au=046	Wk=006

**Table 7.4.3.1. (continued):
1961 Draft SF Canon Compared with 1959-2009 Extrapolation Article Data**

Author	Work	Type of Work	Canon #	# Refs By AU	# Refs By Work
Healy, Raymond J.; McComas, J. Francis, eds.	<i>Adventures in Time and Space</i> . 1946.	anth-sf	C-036	Au=005; Au=006	Wk=005
O'Brien, Fitz-James	<i>Diamond Lens, The</i> . 1858.	sf	C-090	Au=005	Wk=005
Stapledon, Olaf	<i>Odd John</i> . 1936.	novel	C-048	Au=048	Wk=005
Verne, Jules	<i>Around the Moon</i> . 1870.	novel	C-087b	Au=074	Wk=005
Williamson, Jack	<i>Humanoids, The</i> . 1949.	novel	C-032	Au=073	Wk=005
Wyndham, John	<i>Re-Birth</i> . [aka: <i>Chrysalids</i> .] 1955.	novel	C-008	Au=056	Wk=005
Burroughs, Edgar Rice	<i>Princess of Mars, A</i> . 1917.	novel	C-061	Au=055	Wk=004
Čapek, Karel	<i>War with the Newts</i> . 1936.	novel	C-047	Au=019	Wk=004
Cyrano de Bergerac, Savinien	<i>Histoire Comique, ou, Voyage dans la lune</i> . 1650.	novel	C-104	Au=004	Wk=004
Dick, Philip	<i>Solar Lottery</i> . 1955.	novel	C-007	Au=229	Wk=004
Godwin, Francis, Bishop	<i>Man in the Moone, The: or a Discourse of a Voyage thither. By Domingo Gonsales The Speedy Messenger</i> . 1638.	novel	C-105	Au=004	Wk=004
London, Jack	<i>Scarlet Plague, The</i> . 1912.	novel	C-063	Au=019	Wk=004
Wyndham, John	<i>Midwich Cuckoos, The</i> . 1957.	novel	C-005	Au=056	Wk=004
Bierce, Ambrose	<i>Moxon's Master</i> . IN: <i>Can Such Things Be?</i> 1893.	sf	C-077c	Au=007	Wk=003
Conklin, Groff, ed.	<i>Best of Science Fiction, The</i> . 1946.	anth-sf	C-035	Au=004	Wk=003
Hall, Joseph, Bishop	<i>Mundus Alter et Idem</i> . 1607.	novel	C-108	Au=003	Wk=003
Heinlein, Robert	<i>Man Who Sold the Moon, The</i> . 1950.	coll-sf	C-029	Au=519	Wk=003
Poe, Edgar Allan	<i>Facts in the Case of M. Valdemar, The</i> . 1845.	sf	C-092	Au=050	Wk=003
Shiel, Matthew Phipps	<i>Purple Cloud, The</i> . 1901.	novel	C-068	Au=006	Wk=003
Stockton, Frank	<i>Great War Syndicate, The</i> . 1889.	novel	C-078	Au=004	Wk=003
Verne, Jules	<i>Around the World in Eighty Days</i> . 1872.	novel	C-084	Au=074	Wk=003

**Table 7.4.3.1. (continued):
1961 Draft SF Canon Compared with 1959-2009 Extrapolation Article Data**

Author	Work	Type of Work	Canon #	# Refs By AU	# Refs By Work
Wollheim, Donald A., ed.	<i>Pocket Book of Science-Fiction, The.</i> 1943.	anth-sf	C-041	Au=012	Wk=003
Wyndham, John	<i>Kraken Wakes, The</i> [aka: <i>Out of the Deeps</i>]. 1953.	novel	C-019	Au=056	Wk=003
Wright, S. Fowler	<i>World Below, The.</i> 1929.	novel	C-054	Au=006	Wk=002
de Camp, L. Sprague	<i>Lest Darkness Fall.</i> 1941.	novel	C-042	Au=021	Wk=002
Finney, Charles G.	<i>Circus of Dr. Lao, The.</i> 1935.	novel	C-049	Au=003	Wk=002
Merritt, A.	<i>Moon Pool, The.</i> 1919.	novel	C-060	Au=003	Wk=002
Tucker, Wilson	<i>Long, Loud Silence, The.</i> 1952.	novel	C-021	Au=004	Wk=002
Balmer, Edwin; Wylie, Philip	<i>When Worlds Collide.</i> 1932.	novel	C-051a	Au=003; Au=007	Wk=001
Bierce, Ambrose	Damned Thing, The. IN: <i>Can Such Things Be?</i> 1893.	sf	C-077b	Au=007	Wk=001
Lasswitz, Kurd	<i>Auf Zwei Planeten.</i> 1897.	novel	C-071	Au=003	Wk=001
Lovecraft, H. P.	<i>Outsider and Others, The.</i> 1939.	coll-sf	C-044	Au=162	Wk=001
Paltock, Robert	<i>Life and Adventures of Peter Wilkins, The.</i> 1751.	novel	C-101	Au=001	Wk=001
Poe, Edgar Allan	MS. Found in a Bottle. 1833.	sf	C-097	Au=050	Wk=001
Russell, Eric Frank	<i>Sinister Barrier.</i> 1948.	novel	C-034	Au=002	Wk=001
Sarban	<i>Sound of His Horn, The.</i> 1960.	novel	C-001	Au=001	Wk=001
Stockton, Frank	<i>Great Stone of Sardis, The.</i> 1897.	novel	C-072	Au=004	Wk=001
Verne, Jules	<i>Five Weeks in a Balloon.</i> 1863.	novel	C-089	Au=074	Wk=001
Vidal, Gore	<i>Messiah.</i> 1954.	novel	C-012	Au=003	Wk=001
Vidal, Gore	<i>Visit to a Small Planet.</i> 1956.	drama	C-006	Au=003	Wk=001
White, Stewart Edward	<i>Sign at Six, The.</i> 1912.	novel	C-064	Au=002	Wk=001
White, Stewart Edward; Adams, S. H.	<i>Mystery, The.</i> 1907.	novel	C-067	Au=002; Au=001	Wk=001
Balmer, Edwin; Wylie, Philip	<i>After Worlds Collide.</i> 1933.	novel	C-051b	Au=003; Au=007	Wk=000
Bierce, Ambrose	Charles Ashmore's Trail. IN: <i>Can Such Things Be?</i> 1893.	sf	C-077a	Au=007	Wk=000
Collier, John	<i>Fancies and Good Nights.</i> 1951.	coll-sf	C-024	Au=002	Wk=000

**Table 7.4.3.1. (continued):
1961 Draft SF Canon Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	Canon #	# Refs By AU	# Refs By Work
Conklin, Groff, ed.	<i>Treasury of Science Fiction, A.</i> 1948.	anth-sf	C-033	Au=005	Wk=000
Derleth, August, ed.	<i>Beyond Time and Space.</i> 1950.	anth-sf	C-028	Au=002	Wk=000
Heinlein, Robert	<i>Green Hills of Earth, The.</i> 1951.	coll-sf	C-025	Au=519	Wk=000
Hoyle, Fred	<i>Black Cloud, The.</i> 1957.	novel	C-004	Au=001	Wk=000
Kuttner, Henry; Moore, C. L.	<i>Gnome There Was, A.</i> 1950. [as by: Lewis Padgett.]	coll-sf	C-030	Au=020; Au=039	Wk=000
Locke, Richard Adams	<i>Moon Hoax, The.</i> 1835; 1859.	sf	C-095	Au=000	Wk=000
Lovecraft, H. P.	<i>Beyond the Wall of Sleep.</i> 1943.	coll-sf	C-040	Au=162	Wk=000
Poe, Edgar Allan	<i>Balloon-Hoax, The.</i> 1844.	sf	C-093	Au=050	Wk=000
Poe, Edgar Allan	<i>Conversation of Eiros and Charmion, The.</i> 1839.	sf	C-094	Au=050	Wk=000
Poe, Edgar Allan	<i>Unparalleled Adventures of One Hans Pfall, The.</i> 1835.	sf	C-096	Au=050	Wk=000
Poe, Edgar Allan	<i>Von Kempelen and His Discovery.</i> 1849.	sf	C-091	Au=050	Wk=000
Rhodes, William H.	<i>Caxton's Book.</i> 1876.	coll-sf	C-083	Au=003	Wk=000
Seaborn, Adam [pso: Symmes, John Clive?]	<i>Symzonia: A Voyage of Discovery.</i> 1820.	novel	C-098	Au=000	Wk=000
Serviss, Garrett P.	<i>Columbus of Space, A.</i> 1909.	novel	C-066	Au=012	Wk=000
Taine, John [pso: Bell, Eric Temple]	<i>Before the Dawn.</i> 1934.	novel	C-050	Au=003	Wk=000
Waterloo, Stanley	<i>Story of Ab, The.</i> 1897.	novel	C-073	Au=001	Wk=000
Wells, H. G.	<i>Short Stories of H. G. Wells, The.</i> 1927.	coll-sf	C-057	Au=328	Wk=000

Based in part upon: Hillegas, Mark R. "A Draft of the Science-Fiction Canon to be proposed at The 1961 MLA Conference on Science Fiction." *Extrapolation* 3.2 (December 1961): 26-30.

Note: Canon # is not a ranking, merely the number of the item within the listing.

Note: # All Refs Rcvd By Author is number of primary references received by author in the analyzed 937 Articles (Au=); # All Refs Rcvd By Work is number of references received by this primary work (Wk=).

Note: Rf=# of references received; R: Au, R: Bk, R: An, R: Fi are the ranks within the lists of the authors, the books/works, the anthologies, or the films in Mullen's data.

Note: Type of Work column: anth=anthology; coll=collection; drama=drama/play; novel=novels; sf=short fictions.

number of references each work received in the data collected from the *Extrapolation* articles. The canon list itself was categorized as a Bibliography for the purposes of analysis in the dissertation. These works range from Bishop Joseph Hall's satiric utopia *Mundus Alter et Idem* (1607) to Sarban's then recent novel *The Sound of His Horn* (1960). Of the 84 authors named on the list the only women were Mary Shelley (*Frankenstein*. 1818.) and two co-authors, C[atherine] L. Moore writing with spouse Henry Kuttner under their Lewis Padgett pseudonym (the collection *A Gnome There Was*. 1950.) and Lee Hawkins Garby writing with E. E. "Doc" Smith (*The Skylark of Space*. 1928.). The proportions of different types of works are similar to those found in the data above in section 7.2.1., with novels as the most common type (82/112=73.2%), followed by the 13 short fictions (11.6%), the single author collections (10; 8.9%) and edited anthologies (5; 4.5%), and finally two dramas (1.8%). It is interesting that there are no films or other collaborative or mediated works on this list; perhaps those making recommendations to Hillegas were hewing strictly to the concept of a *literary* canon, and not yet accepting of the possibility of the storytelling late-comers of film and television being part of a 'canon' or other list of classic or essential works.

Of the 112 works, there were 62 (55.4%) by authors found on the most frequently referenced authors (20+ references) list above in section 7.4.1.1, though eight of those works were not referenced at all in the 937 articles analyzed; four of these eight unreferenced titles were author collections and four were short fictions by Poe. Thirty-eight of the works (38/112=33.9%) were also on the consolidated list of most frequently referenced works (10+ references; 38/182=20.9%), though this low proportion is not surprising since at least five dozen of the most frequently referenced works post-date

the proposed canon list. Twenty of the works on the proposed canon did not receive any references, formal or informal, in the *Extrapolation* articles data, while an additional 14 received only a single reference. Whether the scholar-authors of the 937 articles analyzed, if asked directly, would agree with the list of works on the proposed canon, by the evidence of their referencing patterns over fifty years it would appear that some of their interests were elsewhere than in the works proposed for the 1961 canon, and that they, and by implication the editors of *Extrapolation* who chose their articles for publication, were indirectly agreeing with **Altick and Fenstermaker's** statement about the “‘revision of the canon’ simply refers to the normal, ongoing process that is otherwise called ‘changes in literary taste’” (1993: 6). Possibly, these scholars are also agreeing with Garfield’s sentiment quoted earlier that “[a]n inheritance may always be reevaluated. Some works and historical periods may seem uninteresting to scholars for a time. Then someone will come along with a new perspective or fact and the subject or period will be resurrected” (Garfield 1980b: 42); some of the works in the proposed canon have been awaiting a resurrection of interest by *Extrapolation's* scholars at least, and some may remain forever uninterred.

7.4.3.2. *The Neverending Story: The Authors and Works Most Widely
Assigned*

In an essay in an anthology based on revised papers (unacknowledged) for the 16th Eaton Conference themed “Science Fiction and the Contests for Authority” (1994), Joseph Miller states that:

Historically, the attempt to define science fiction has been an endlessly engaging and generally harmless parlor game for critics of the genre. . . . But the naming of true names is synonymous with the wielding of great power—the power to crystallize a field, a specialty, or a profession by the synthesis of a definitive corpus of work. This is not necessarily a bad thing; academic history is rife with examples of classic texts that have so defined and usefully focused whole realms of enquiry. The risk is a premature descent into stasis, often signalling conclusion of the dynamic phase of intellectual exploration. Contemporary science fiction may be undergoing exactly such a change of state. In the past we have been marginalized and ghettoized; today we are Nortonized! (J. Miller 2002: 79).

The Norton in question was *The Norton Book of Science Fiction*, edited by author Ursula K. Le Guin and professor Brian Attebery who limited their selection to texts from 1960 or later. Miller continues by asserting that:

In America the maturation of a literary specialty is often heralded by the publication of a Norton anthology. And the editor of such a distinguished anthology wields an absolute, essentially papal[,] power in defining a field by inclusion and exclusion. . . .

Presumably, the appearance of this book in 1993 meant that the field had been deemed sufficiently sanitized so as to be teachable to college freshmen. Perhaps such an anthology marked the

maturation of our field and a degree of acceptance by the wider literary community. Or perhaps it marked the beginning of decline and absorption into the ranks of the mundane. **(J. Miller 2002: 79)**

He bolsters his argument and critique of this canonizing anthology with a small and informal citation analysis of the authors found in the *Norton Book*, of their gender, and by how often they had been anthologized. Several years after that 1994 Eaton Conference and the publication of the *Norton Book*, and three and a half decades after Hillegas' and Franklin's first college courses on science fiction (section 2.2.3. above), the editors of *Science Fiction Studies* published a special section on "Science Fiction in Academe" with an introduction, ten essays on teaching SF in the academy and the SF conference circuit, and an 89-page descriptive listing of more than 400 "North American College Courses in Science Fiction, Utopian Literature, and Fantasy" which included notes on the texts and films assigned **(Evans and Mullen 1996: 371-528)**.

As an addendum, they compiled lists **(525-526)** based on these course descriptions of the most widely assigned books (105 titles with a minimum of 5 assignments), authors (56, minimum of 10), anthologies (9, minimum of 6; including the *Norton Book*), and films or film series (30, minimum of 3). This short compilation with its numbers of times assigned and its rankings is comparable in its setting to the most frequently referenced authors, primary works, and anthology lists found in sections 7.4.1. and 7.4.2.2. above, thus it forms the basis for this comparison with the authors and works in the data set drawn from the primary references given within the 937 *Extrapolation* articles. The four sub-lists (authors; specific works; anthologies; films) in Tables 7.4.3.2.a.--7.4.3.2.d. below are arranged by the Evans-Mullen counts of times

assigned (Rf=) and the rank(s) (R: within each category of material), followed by columns with the total number of primary references received by the author (Au=) and received by the particular works (Wk=) in the *Extrapolation* articles data.

Widely Assigned Authors: There were 56 individuals in the Evans-Mullen list of widely assigned authors, all of whom were represented in the *Extrapolation* primary authors and works referenced data (see Table 7.4.3.2.a. below). Twelve of the 56 were female (21.4%) which is a higher proportion than the 17.99% of individual women referenced in the *Extrapolation* data overall (366 of 2,035 authors) as in Table 7.4.1.1. above but very similar to the 21.0% (158/751) and 21.1% (185/878) of female authors referenced in *Extrapolation's* fourth (1990-1999) and fifth (2000-2009) decades as seen in Appendix I-Parts A.4 and A.5. Of the 56 authors, 45 of them (80.4%) are also on the list of 118 most frequently referenced authors, while the remaining 11 (4 female; 7 male) were less frequently referenced with between 3 and 19 primary references.

Ursula K. Le Guin is both the most frequently assigned (Rf=207) and most frequently referenced (Au=563) author, while H G. Wells, Philip K. Dick, and Robert A. Heinlein shift their relative rankings slightly between the two lists. Beyond these four, there is an interesting variability between the rankings in the most frequently assigned authors list, and the overall ranks on the list of those who received primary references in *Extrapolation's* articles. William Gibson, one of the then recently risen stars in the F&SF firmament is 4th highest in the assigned authors list, but is only in the overall 27th rank of references given by the scholar-critics; this is a very respectable ranking given that he only began publishing SF in 1977 and considering the authors ahead of him on the

Table 7.4.3.2.a.:
1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films
Compared with 1959-2009 *Extrapolation* Article Data

Author	Work	Author Type	Teaching: # Refs (Rf=); Rank: Type - #	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Widely Assigned Authors in Course Descriptions [Summary Threshold=10+]					
Le Guin, Ursula K.		author	Rf=207; R: Au-001	Au=563	
Wells, H. G.		author	Rf=159; R: Au-002	Au=328	
Dick, Philip K.		author	Rf=101; R: Au-003	Au=229	
Gibson, William		author	Rf=097; R: Au-004	Au=068	
Heinlein, Robert A.		author	Rf=091; R: Au-005	Au=519	
Shelley, Mary		author	Rf=083; R: Au-006	Au=077	
Clarke, Arthur C.		author	Rf=080; R: Au-007	Au=227	
Huxley, Aldous		author	Rf=064; R: Au-008	Au=086	
Miller, Walter M., Jr.		author	Rf=053; R: Au-009	Au=046	
Butler, Octavia E.		author	Rf=047; R: Au-010	Au=052	
Bradbury, Ray		author	Rf=046; R: Au-011--012	Au=113	
Piercy, Marge		author	Rf=046; R: Au-011--012	Au=036	
Atwood, Margaret		author	Rf=045; R: Au-013	Au=056	
Lem, Stanisław		author	Rf=044; R: Au-014	Au=110	
Herbert, Frank		author	Rf=040; R: Au-015--016	Au=098	
Russ, Joanna		author	Rf=040; R: Au-015--016	Au=060	

**Table 7.4.3.2.a. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Author Type	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Vonnegut, Kurt		author	Rf=036; R: Au-017	Au=082	
Asimov, Isaac		author	Rf=034; R: Au-018--019	Au=279	
Zamyatin, Evgeny		author	Rf=034; R: Au-018--019	Au=036	
Orwell, George		author	Rf=032; R: Au-020	Au=087	
Tolkien, J. R. R.		author	Rf=031; R: Au-021	Au=093	
Lewis, C. S.		author	Rf=027; R: Au-022--023	Au=106	
More, Thomas, Sir		author	Rf=027; R: Au-022--023	Au=042	
Delany, Samuel R.		author	Rf=026; R: Au-024	Au=113	
Ballard, J. G.		author	Rf=022; R: Au-025--027	Au=062	
Pohl, Frederik; Kornbluth, Cyril M.		author	Rf=022; R: Au-025--027	Au=096; Au=074	
Tepper, Sheri S.		author	Rf=022; R: Au-025--027	Au=005	
Gilman, Charlotte Perkins		author	Rf=020; R: Au-028--030	Au=012	
Morris, William		author	Rf=020; R: Au-028--030	Au=023	
Robinson, Kim Stanley		author	Rf=020; R: Au-028--030	Au=034	
Card, Orson Scott		author	Rf=018; R: Au-031--032	Au=013	
Pohl, Frederik		author	Rf=018; R: Au-031--032	Au=096	
Bellamy, Edward		author	Rf=017; R: Au-033--035	Au=058	
Stapledon, Olaf		author	Rf=017; R: Au-033--035	Au=048	

**Table 7.4.3.2.a. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Author Type	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Verne, Jules		author	Rf=017; R: Au-033-035	Au=074	
Benford, Gregory		author	Rf=016; R: Au-036-037	Au=021	
Haldeman, Joe		author	Rf=016; R: Au-036-037	Au=043	
Bear, Greg		author	Rf=015; R: Au-038	Au=036	
Brunner, John		author	Rf=014; R: Au-039-042	Au=028	
Burgess, Anthony		author	Rf=014; R: Au-039-042	Au=029	
Stoker, Bram		author	Rf=014; R: Au-039-042	Au=012	
Sturgeon, Theodore		author	Rf=014; R: Au-039-042	Au=048	
Sterling, Bruce		author	Rf=013; R: Au-043	Au=017	
Brin, David		author	Rf=012; R: Au-044-049	Au=016	
Crichton, Michael		author	Rf=012; R: Au-044-049	Au=012	
Plato		author	Rf=012; R: Au-044-049	Au=052	
Poe, Edgar Allan		author	Rf=012; R: Au-044-049	Au=050	
Stephenson, Neal		author	Rf=012; R: Au-044-049	Au=007	
Tiptree, James, Jr.		author	Rf=012; R: Au-044-049	Au=107	
Burroughs, Edgar Rice		author	Rf=011; R: Au-050-051	Au=055	
Willis, Connie		author	Rf=011; R: Au-050-051	Au=003	
Bradley, Marion Zimmer		author	Rf=010; R: Au-052-056	Au=027	

Table 7.4.3.2.a. (continued): 1996 SFS Most Widely Assigned Survey Compared with 1959-2009 <i>Extrapolation</i> Article Data					
Author	Work	Author Type	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Čapek, Karel		author	Rf=010; R: Au-052--056	Au=019	
Ellison, Harlan		author	Rf=010; R: Au-052--056	Au=069	
Slonczewski, Joan		author	Rf=010; R: Au-052--056	Au=006	
Stevenson, Robert Louis		author	Rf=010; R: Au-052--056	Au=023	
Note: For basis and abbreviations, see Notes at bottom of Table 7.4.3.2.d.					

references given list. On the decadal lists of references given in Appendix I, Gibson was in the 13th rank in the fourth (1990-1999) decade when the Evans-Mullen assigned list was published, and then rose to the 10th rank in the fifth decade (2000-2009). Mary Shelley is the 6th most frequently assigned author, though, like Gibson, has a lower overall references given ranking being placed in the 23rd rank. Isaac Asimov, the 4th most referenced primary author shares the 18th/19th most frequently assigned position with Evgeny Zamiatin, one of the 51st most frequently referenced authors. While Sherri Tepper shares the 25th-27th most frequently assigned position with J. G. Ballard of the UK and Kim Stanley Robinson, novelist and English professor at University of California, Davis, by the end of 2009 she had accumulated a total of only five references in *Extrapolation*. It is noteworthy that James Tiptree, Jr., pseudonym of Alice Sheldon (aka: Raccoona Sheldon), the second highest ranked female author by the number of references received (Au=107), is only ranked at 44th-49th in the assigned authors listing (Rf=12); perhaps the course instructors assigned her short fictions as readings out of

their anthology texts so her name did not appear as often in the course descriptions. Harlan Ellison and Bruce Sterling were also on the widely assigned authors list even though they did not have a specific personal work listed on the frequently assigned books list, although the Sterling edited *Mirrorshades* is on the anthology list; for Ellison this is perhaps understandable as he is best known as the author of shorter fictions.

Widely Assigned Books: The list of widely assigned books has a total of 105 entries by 71 authors (two co-author pairs each have one of the pair as a solo author as well) all of which received at least one reference in the *Extrapolation* data (Table 7.4.3.2.b. below). There are 96 novels on the list, including Plato's *Republic*, which this dissertator categorized as a secondary work due to Plato's status as a philosopher but which could be considered as a prose utopia if not exactly as a novel in the post-Renaissance sense of the term, and Tolkien's *The Lord of the Rings* even though its three component parts (*The Fellowship of the Ring*, *The Two Towers*, *The Return of the King*) are also entries on this list. There are six entries for collections of short fictions, although only two are for specific titles, the other four being listed as generic 'collections' since their authors have a variety of short fiction collections available for assignment. Two dramas make the frequently assigned works list, as does Robert Louis Stevenson's "Strange Case of Dr. Jekyll and Mr. Hyde" which could be considered either a long short fiction, or as a short novel, opinions and definitions vary on this issue.

Nineteen authors of the seventy-one (26.8%) have multiple titles on this most frequently assigned works list and more than a quarter are female (18/71=25.4%).

Table 7.4.3.2.b.:
1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films
Compared with 1959-2009 *Extrapolation* Article Data

Author	Work	Type of Work	Teaching: # Refs (Rf=); Rank: Type - #	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Widely Assigned Works in Course Descriptions [Summary Threshold=5+]					
Le Guin, Ursula K.	<i>Left Hand of Darkness, The.</i>	novel	Rf=103; R: Bk-001	Au=563	Wk=064
Wells, H. G.	<i>Time Machine, The.</i>	novel	Rf=093; R: Bk-002	Au=328	Wk=073
Shelley, Mary	<i>Frankenstein.</i>	novel	Rf=074; R: Bk-003	Au=077	Wk=071
Gibson, William	<i>Neuromancer.</i>	novel	Rf=059; R: Bk-004	Au=068	Wk=030
Huxley, Aldous	<i>Brave New World.</i>	novel	Rf=052; R: Bk-005--006	Au=086	Wk=066
Miller, Walter M., Jr.	<i>Canticle for Leibowitz, A.</i>	novel	Rf=052; R: Bk-005--006	Au=046	Wk=033
Clarke, Arthur C.	<i>Childhood's End.</i>	novel	Rf=050; R: Bk-007	Au=227	Wk=042
Le Guin, Ursula K.	<i>Dispossessed, The.</i>	novel	Rf=049; R: Bk-008	Au=563	Wk=050
Wells, H. G.	<i>War of the Worlds, The.</i>	novel	Rf=047; R: Bk-009	Au=328	Wk=053
Dick, Philip K.	<i>Do Androids Dream of Electric Sheep?</i>	novel	Rf=044; R: Bk-010	Au=229	Wk=018
Atwood, Margaret	<i>Handmaid's Tale, The.</i>	novel	Rf=041; R: Bk-011	Au=056	Wk=016
Herbert, Frank	<i>Dune.</i>	novel	Rf=036; R: Bk-012	Au=098	Wk=043
Lem, Stanisław	<i>Solaris.</i>	novel	Rf=032; R: Bk-013	Au=110	Wk=028
Dick, Philip K.	<i>Man in the High Castle.</i>	novel	Rf=031; R: Bk-014	Au=229	Wk=025
Zamyatin, Evgeny	<i>We.</i>	novel	Rf=029; R: Bk-015	Au=036	Wk=034
Orwell, George	<i>Nineteen Eighty-Four.</i>	novel	Rf=028; R: Bk-016	Au=087	Wk=077

**Table 7.4.3.2.b. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Piercy, Marge	<i>Woman on the Edge of Time.</i>	novel	Rf=027; R: Bk-017	Au=036	Wk=025
Heinlein, Robert A.	<i>Moon is a Harsh Mistress, The.</i>	novel	Rf=025; R: Bk-018	Au=519	Wk=025
Asimov, Isaac	<i>Robot collections</i>	collns-sf	Rf=022; R: Bk-019--020	Au=279	Wk=007 (series) + Wk=028 (3 collns)
Pohl, Frederik; Kornbluth, Cyril M.	<i>Space Merchants, The.</i>	novel	Rf=022; R: Bk-019--020	Au=096; Au=074	Wk=024
More, Thomas, Sir	<i>Utopia.</i>	novel	Rf=021; R: Bk-021	Au=042	Wk=042
Bradbury, Ray	<i>Martian Chronicles, The.</i>	coll-sf	Rf=019; R: Bk-022--024	Au=113	Wk=028
Gilman, Charlotte Perkins	<i>Herland.</i>	novel	Rf=019; R: Bk-022--024	Au=012	Wk=010
Russ, Joanna	<i>Female Man, The.</i>	novel	Rf=019; R: Bk-022--024	Au=060	Wk=027
Butler, Octavia E.	<i>Dawn.</i>	novel	Rf=018; R: Bk-025	Au=052	Wk=003
Tepper, Sheri S.	<i>Gate to Women's Country, The.</i>	novel	Rf=017; R: Bk-026	Au=005	Wk=004
Bradbury, Ray	<i>Fahrenheit 451.</i>	novel	Rf=016; R: Bk-027--028	Au=113	Wk=029
Heinlein, Robert A.	<i>Stranger in a Strange Land.</i>	novel	Rf=016; R: Bk-027--028	Au=519	Wk=037
Asimov, Isaac	<i>Caves of Steel, The.</i>	novel	Rf=015; R: Bk-029--031	Au=279	Wk=013
Heinlein, Robert A.	<i>Starship Troopers.</i>	novel	Rf=015; R: Bk-029--031	Au=519	Wk=024
Wells, H. G.	<i>Island of Doctor Moreau, The.</i>	novel	Rf=015; R: Bk-029--031	Au=328	Wk=028
Bellamy, Edward	<i>Looking Backward, 2000- 1887.</i>	novel	Rf=014; R: Bk-032--037	Au=058	Wk=043
Gibson, William	<i>Burning Chrome.</i>	coll-sf	Rf=014; R: Bk-032--037	Au=068	Wk=005

**Table 7.4.3.2.b. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Haldeman, Joe	<i>Forever War.</i>	novel	Rf=014; R: Bk-032--037	Au=043	Wk=009
Morris, William	<i>News from Nowhere.</i>	novel	Rf=014; R: Bk-032--037	Au=023	Wk=010
Piercy, Marge	<i>He, She, and It.</i>	novel	Rf=014; R: Bk-032--037	Au=036	Wk=006
Tolkien, J. R. R.	<i>Hobbit, The.</i>	novel	Rf=014; R: Bk-032--037	Au=093	Wk=012
Asimov, Isaac	<i>Foundation.</i>	novel	Rf=013; R: Bk-038--042	Au=279	Wk=013
Benford, Gregory	<i>Timescape.</i>	novel	Rf=013; R: Bk-038--042	Au=021	Wk=004
Burgess, Anthony	<i>Clockwork Orange, A.</i>	novel	Rf=013; R: Bk-038--042	Au=029	Wk=023
Le Guin, Ursula K.	<i>Wizard of Earthsea, A.</i>	novel	Rf=013; R: Bk-038--042	Au=563	Wk=027
Pohl, Frederik	<i>Gateway.</i>	novel	Rf=013; R: Bk-038--042	Au=096	Wk=007
Lewis, C. S.	<i>Out of the Silent Planet.</i>	novel	Rf=012; R: Bk-043--045	Au=106	Wk=020
Robinson, Kim Stanley	<i>Red Mars.</i>	novel	Rf=012; R: Bk-043--045	Au=034	Wk=006
Stoker, Bram	<i>Dracula.</i>	novel	Rf=012; R: Bk-043--045	Au=012	Wk=012
Card, Orson Scott	<i>Ender's Game.</i>	novel	Rf=011; R: Bk-046--048	Au=013	Wk=006
Crichton, Michael	<i>Jurassic Park.</i>	novel	Rf=011; R: Bk-046--048	Au=012	Wk=001
Dick, Philip K.	<i>Ubik.</i>	novel	Rf=011; R: Bk-046--048	Au=229	Wk=009
Ballard, J. G.	<i>Drowned World, The.</i>	novel	Rf=010; R: Bk-049--053	Au=062	Wk=005
Bear, Greg	<i>Blood Music.</i>	novel	Rf=010; R: Bk-049--053	Au=036	Wk=005
Stevenson, Robert Louis	<i>Dr. Jekyll and Mr. Hyde, The Strange Case of</i>	sf	Rf=010; R: Bk-049--053	Au=023	Wk=018

**Table 7.4.3.2.b. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Sturgeon, Theodore	<i>More than Human.</i>	novel	Rf=010; R: Bk-049--053	Au=048	Wk=013
Vonnegut, Kurt	<i>Sirens of Titan, The.</i>	novel	Rf=010; R: Bk-049--053	Au=082	Wk=009
Butler, Octavia E.	<i>Parable of the Sower.</i>	novel	Rf=009; R: Bk-054--057	Au=052	Wk=005
Slonczewski, Joan	<i>Door into Ocean, A.</i>	novel	Rf=009; R: Bk-054--057	Au=006	Wk=005
Stephenson, Neal	<i>Snow Crash.</i>	novel	Rf=009; R: Bk-054--057	Au=007	Wk=004
Tolkien, J. R. R.	<i>Fellowship of the Ring.</i>	novel	Rf=009; R: Bk-054--057	Au=093	Wk=010
Burroughs, Edgar Rice	<i>Princess of Mars, A.</i>	novel	Rf=008; R: Bk-058--065	Au=055	Wk=004
Clarke, Arthur C.	<i>2001: A Space Odyssey.</i>	novel	Rf=008; R: Bk-058--065	Au=227	Wk=023
Clarke, Arthur C.	<i>Rendezvous with Rama, A.</i>	novel	Rf=008; R: Bk-058--065	Au=227	Wk=007
Heinlein, Robert A.	<i>Puppet Masters, The.</i>	novel	Rf=008; R: Bk-058--065	Au=519	Wk=013
Le Guin, Ursula K.	<i>Lathe of Heaven, The.</i>	novel	Rf=008; R: Bk-058--065	Au=563	Wk=020
Skinner, B. F.	<i>Walden Two.</i>	novel	Rf=008; R: Bk-058--065	Au=014	Wk=014
Vonnegut, Kurt	<i>Cat's Cradle.</i>	novel	Rf=008; R: Bk-058--065	Au=082	Wk=009
Willis, Connie	<i>Doomsday Book.</i>	novel	Rf=008; R: Bk-058--065	Au=003	Wk=001
Blish, James	<i>Case of Conscience, A.</i>	novel	Rf=007; R: Bk-066--071	Au=077	Wk=017
Brunner, John	<i>Stand on Zanzibar.</i>	novel	Rf=007; R: Bk-066--071	Au=028	Wk=017
Delany, Samuel R.	<i>Babel-17.</i>	novel	Rf=007; R: Bk-066--071	Au=113	Wk=017
Hoban, Russell	<i>Riddley Walker.</i>	novel	Rf=007; R: Bk-066--071	Au=013	Wk=007

Table 7.4.3.2.b. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Stapledon, Olaf	<i>Last and First Men.</i>	novel	Rf=007; R: Bk-066--071	Au=048	Wk=015
Twain, Mark	<i>Conecticut Yankee in King Arthur's Court, A.</i>	novel	Rf=007; R: Bk-066--071	Au=035	Wk=012
Beagle, Peter S.	<i>Last Unicorn, The.</i>	novel	Rf=006; R: Bk-072--082	Au=004	Wk=003
Bradley, Marion Zimmer	<i>Mists of Avalon, The.</i>	novel	Rf=006; R: Bk-072--082	Au=027	Wk=005
Brin, David	<i>Postman, The.</i>	novel	Rf=006; R: Bk-072--082	Au=016	Wk=002
Brunner, John	<i>Shock wave Rider.</i>	novel	Rf=006; R: Bk-072--082	Au=028	Wk=004
Čapek, Karel	<i>R.U.R.</i>	dr	Rf=006; R: Bk-072--082	Au=019	Wk=015
Niven, Larry	<i>Ringworld.</i>	novel	Rf=006; R: Bk-072--082	Au=050	Wk=006
Plato	<i>Republic.</i>	S-nf / novel	Rf=006; R: Bk-072--082	Au=052	Wk=024
Stapledon, Olaf	<i>Star Maker.</i>	novel	Rf=006; R: Bk-072--082	Au=048	Wk=013
Stewart, George R.	<i>Earth Abides.</i>	novel	Rf=006; R: Bk-072--082	Au=007	Wk=005
Swift, Jonathan	<i>Gulliver's Travels.</i>	novel	Rf=006; R: Bk-072--082	Au=054	Wk=044
Tolkien, J. R. R.	<i>Return of the King, The.</i>	novel	Rf=006; R: Bk-072--082	Au=093	Wk=006
Adams, Douglas	<i>Hitchhiker's Guide to the Galaxy, The.</i>	novel	Rf=005; R: Bk-083--105	Au=002	Wk=002
Bester, Alfred	<i>Stars My Destination, The.</i>	novel	Rf=005; R: Bk-083--105	Au=042	Wk=012
Borges, Jorge Luis	Collections.	collns-sf	Rf=005; R: Bk-083--105	Au=064	Wk=018 (6 collns)
Cadigan, Pat	<i>Synners.</i>	novel	Rf=005; R: Bk-083--105	Au=011	Wk=004
Callenbach, Ernest	<i>Ecotopia.</i>	novel	Rf=005; R: Bk-083--105	Au=006	Wk=005

**Table 7.4.3.2.b. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
Clement, Hal	<i>Mission of Gravity.</i>	novel	Rf=005; R: Bk-083--105	Au=028	Wk=009
Dick, Philip K.	<i>Scanner Darkly, A.</i>	novel	Rf=005; R: Bk-083--105	Au=229	Wk=004
Le Guin, Ursula K.	<i>Tehanu.</i>	novel	Rf=005; R: Bk-083--105	Au=563	Wk=012
Lewis, C. S.	<i>Perelandra.</i>	novel	Rf=005; R: Bk-083--105	Au=106	Wk=018
Lovecraft, H. P.	Collections.	collns-sf	Rf=005; R: Bk-083--105	Au=162	Wk=021 (11 collns)
Niven, Larry; Pournelle, Jerry	<i>Mote in God's Eye, A.</i>	novel	Rf=005; R: Bk-083--105	Au=050; Au=017	Wk=005
Poe, Edgar Allan	Collections.	collns-sf	Rf=005; R: Bk-083--105	Au=050	Wk=002
Robinson, Kim Stanley	<i>Pacific Edge.</i>	novel	Rf=005; R: Bk-083--105	Au=034	Wk=001
Shakespeare, William	<i>Tempest, The.</i>	dr	Rf=005; R: Bk-083--105	Au=173	Wk=023
Silverberg, Robert	<i>Downward to the Earth.</i>	novel	Rf=005; R: Bk-083--105	Au=095	Wk=005
Stapledon, Olaf	<i>Sirius.</i>	novel	Rf=005; R: Bk-083--105	Au=048	Wk=004
Tolkien, J. R. R.	<i>Lord of the Rings.</i>	coll-novel	Rf=005; R: Bk-083--105	Au=093	Wk=046
Tolkien, J. R. R.	<i>Two Towers, The.</i>	novel	Rf=005; R: Bk-083--105	Au=093	Wk=003
Verne, Jules	<i>Journey to the Center of the Earth, A.</i>	novel	Rf=005; R: Bk-083--105	Au=074	Wk=009
Verne, Jules	<i>Trip Around the Moon, A.</i>	novel	Rf=005; R: Bk-083--105	Au=074	Wk=005
Verne, Jules	<i>Twenty Thousand Leagues Under the Sea.</i>	novel	Rf=005; R: Bk-083--105	Au=074	Wk=008
Vonnegut, Kurt	<i>Slaughterhouse-Five.</i>	novel	Rf=005; R: Bk-083--105	Au=082	Wk=015
Wells, H. G.	<i>Modern Utopia, A.</i>	novel	Rf=005; R: Bk-083--105	Au=328	Wk=016

Note: For basis and abbreviations, see Notes at bottom of Table 7.4.3.2.d.

There are five entries on the list by Le Guin (a total of 178 assignments) and Tolkien (39), and four each by Wells (160), Dick (91), and Heinlein (64). Le Guin's novel *The Left Hand of Darkness* tops the list with 103 assignments, half of her 207 total assignments, followed by Wells' *The Time Machine* (93 of his 159), Shelley's *Frankenstein* (74 of 83), Gibson's *Neuromancer* (59 of 97), with Aldous Huxley's *Brave New World* (52 of 64) and Walter M. Miller, Jr.'s *A Canticle for Leibowitz* (52 of 53), tied for 5th/6th place. These six novels are all well represented in the *Extrapolation* data, with between 30 and 73 references given to them by the scholar-critics.

Like the frequently assigned authors list there are some interesting differences between the widely assigned works and the most frequently referenced works lists. George Orwell's *Nineteen Eighty-Four* is the most highly referenced novel with 77 references received, following the collective entries for the TV series' *Star Trek: The Original Series* and *Star Trek: The Next Generation*, 191 and 106 references respectively, yet it is ranked 16th on the assigned books list with 28 assignments. Dick's *Do Androids Dream of Electric Sheep?*, the basis for the popular film *Blade Runner*, and Margaret Atwood's *The Handmaid's Tale* rank 10th and 11th on the assigned works list with 44 and 41 assignments respectively, yet only received 18 and 16 references in the *Extrapolation* data. Three novels made the frequently assigned list, yet received only a single reference in the *Extrapolation* data set; another three entries, two novels and a generic collections entry, received two references each, and three novels received three. Eighteen of the works assigned between five and eight times are by authors who do not appear on the frequently assigned authors list.

Widely Assigned Anthologies: The nine anthologies which achieved six or more assignments included four with 6 to 10 assignments which did not receive a single reference in *Extrapolation* articles either for the anthology itself nor as the referenced publication source for any of the stories contained within (Table 7.4.3.2.c. below). The

Table 7.4.3.2.c.: 1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films Compared with 1959-2009 <i>Extrapolation</i> Article Data					
Author	Work	Type of Work	Teaching: # Refs (Rf=); Rank: Type - #	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Widely Assigned Anthologies in Course Descriptions [Summary Threshold=6+]					
Silverberg, Robert, ed.	<i>Science Fiction Hall of Fame, Volume 1.</i>	anth-sf	Rf=42; R: An-001	Au=095	Wk=008 (+17 sfs)
Warrick, Patricia S.; Waugh, Charles G.; Greenberg, Martin H., ed.	<i>Science Fiction: SFRA Anthology.</i>	anth-sf	Rf=36; R: An-002	Au=005; Au=002; Au=011	Wk=002 (+3 sfs)
Le Guin, Ursula K.; Attebery, Brian, eds.	<i>Norton Book of Science Fiction, The.</i>	anth-sf	Rf=25; R: An-003	Au=563; Au=003	Wk=003 (+4 sfs)
Sterling, Bruce, ed.	<i>Mirrorshades.</i>	anth-sf	Rf=22; R: An-004	Au=017	Wk=002 (+0 sfs)
Dozois, Gardner, ed.	<i>Year's Best Science Fiction.</i> 11th ed.	anth-sf	Rf=10; R: An-005--006	Au=002	Wk=000 (+ 0 sfs)
Sargent, Pamela, ed.	<i>Women of Wonder.</i>	anth-sf	Rf=10; R: An-005--006	Au=017	Wk=004 (+ 2 other collns=5; + 6 sfs) Total=15
Shippey, Tom, ed.	<i>Oxford Book of Science Fiction Stories .</i>	anth-sf	Rf=08; R: An-007	Au=001	Wk=000 (+ 0 sfs)
Shippey, Tom, ed.	<i>Oxford Book of Fantasy Stories .</i>	anth-sf	Rf=07; R: An-008	Au=001	Wk=000 (+ 0 sfs)
Rabkin, Eric S., ed.	<i>Science Fiction: A Historical Anthology.</i>	anth-sf	Rf=06; R: An-009	Au=000	Wk=000 (+ 0 sfs)
Note: For basis and abbreviations, see Notes at bottom of Table 7.4.3.2.d.					

most popular assigned anthology with 42 assignments was the Robert Silverberg edited *The Science Fiction Hall of Fame, Volume 1* devoted to short fictions voted upon by the members of the Science Fiction Writers of America and originally published in 1970; of these anthologies it also received the most references in the *Extrapolation* data, with 8 references for the anthology as a whole, and an additional 17 as the source publication for nine different short fictions. As with the *SF Hall of Fame*, comparisons between the assigned list and the references received lists get a bit more complicated than with the fairly straightforward author or books assigned lists. The other anthologies which received references in *Extrapolation* were the Warrick, Waugh, and Greenberg edited *Science Fiction: The Science Fiction Research Association Anthology* (36 assignments; published 1988; 2 references for the anthology and an additional 3 as a publication venue), the Le Guin-Attebery *Norton Book of SF* (25 assignments; published 1993; 3 anthology and 4 additional publication venue references), the Sterling edited cyberpunk anthology *Mirrorshades* (22 assignments; 1986; 2 anthology references), and the Pamela Sargent edited *Women of Wonder* (10 assignments; 1975; 4 anthology references, or a total of 9 references for the three different *Women of Wonder* anthologies and 6 for the stories published in them). The 16th Eaton Conference papers volume mentioned above included a list of 85 ‘canonizing anthologies’ which includes seven of these nine anthologies, excluding only the Dozois and Rabkin edited titles (**“Bibliography of Works” 2002: 166-169**).

Widely Assigned Films (and Film Series): An F&SF film fanatic or scholar is likely to have seen most, if not all, of the 30 films or film series on the widely assigned

list, and even a casual media viewer has probably seen at least a few of the titles (Table 7.4.3.2.d. below). The entries listed were assigned between 3 and 37 times, and all but one of them received references in the *Extrapolation* articles data. Four of the titles were listed as 'Title & sequels' which makes accounting for the references received by these film and film series more difficult than it is for straightforward single titles. For example, with 'Star Wars & sequels' which were assigned 4 times, the references received were: 12 for the *Star Wars* film series as a series, 42 for the six films available by the end of 2009, and 10 for the *Star Wars* media franchise, a collective term which includes references given when referring to the collectivity of the films, tv series, comic books, novels and novelizations, etc.; the total of 64 would have been larger if one had incorporated the references given to the comic books and novels themselves, to say nothing of the poster puzzle and other realia which were also referenced and discussed in the articles.

The top three single films, *Blade Runner*, *2001: A Space Odyssey*, and *Metropolis* were assigned 37, 17, and 12 times respectively; they also received the highest number of references given of the 24 single titles: 12, 50, and 13. Two of the film entries, *Invasion of the Body Snatchers* and *The Thing* combined the assignments for either the original films (1956, 1951), their decades later remakes (1978, 1982), or both as confirmed by looking at some of the course descriptions. Right after the 4th place film, *The Day the Earth Stood Still* (12 assignments; 3 references received), and sharing 5th/6th place (9 assignments), were the two smaller film series with three films each, the *Alien* and the *Terminator* films with a total of 18 and 14 references received. The *Star Wars* franchise with six films was one of the six entries sharing 17th-22nd

Table 7.4.3.2.d.:
1996 SFS Survey of the Most Widely Assigned Authors, Books, Anthologies, and Films
Compared with 1959-2009 *Extrapolation* Article Data

Author	Work	Type of Work	Teaching: # Refs (Rf=); Rank: Type - #	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Widely Assigned Films or Film Series in Course Descriptions [Summary Threshold=3+]					
	<i>Blade Runner.</i>	film	Rf=37; R: Fi-001		Fi=012
	<i>2001: A Space Odyssey.</i>	film	Rf=17; R: Fi-002		Fi=050
	<i>Metropolis.</i>	film	Rf=13; R: Fi-003		Fi=013
	<i>Day the Earth Stood Still, The.</i>	film	Rf=12; R: Fi-004		Fi=003
	<i>Alien & sequels.</i>	films	Rf=09; R: Fi-005--006		Fi=002 (series); Fi=016 (3 films); Total=018
	<i>Terminator & sequels.</i>	films	Rf=09; R: Fi-005--006		Fi total=014 (3 films)
	<i>Forbidden Planet.</i>	film	Rf=08; R: Fi-007--009		Fi=010
	<i>Invasion of the Body Snatchers.</i>	films	Rf=08; R: Fi-007--009		Fi=008 (1956); Fi=004 (1978); Total=012
	<i>Things to Come.</i>	film	Rf=08; R: Fi-007--009		Fi=006
	<i>1984</i>	film	Rf=06; R: Fi-010--013		Fi=001
	<i>Brazil.</i>	film	Rf=06; R: Fi-010--013		Fi=002
	<i>Handmaid's Tale, The.</i>	film	Rf=06; R: Fi-010--013		Fi=001
	<i>Them!</i>	film	Rf=06; R: Fi-010--013		Fi=001
	<i>2010: Odyssey II.</i>	film	Rf=05; R: Fi-014--016		Fi=002
	<i>Frankenstein.</i>	film	Rf=05; R: Fi-014--016		Fi=008

**Table 7.4.3.2.d. (continued):
1996 SFS Most Widely Assigned Survey Compared with 1959-2009 *Extrapolation* Article Data**

Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
	<i>Lawnmower Man.</i>	film	Rf=05; R: Fi-014-016		Fi=000
	<i>Fahrenheit 451.</i>	film	Rf=04; R: Fi-017-022		Fi=001
	<i>On the Beach.</i>	film	Rf=04; R: Fi-017-022		Fi=005
	<i>Star Wars & sequels.</i>	films	Rf=04; R: Fi-017-022		Fi=012 (ser); Fi=042 (6 films); Med Fr=10; Total=064
	<i>Time Machine, The.</i>	film	Rf=04; R: Fi-017-022		Fi=006
	<i>Total Recall.</i>	film	Rf=04; R: Fi-017-022		Fi=001
	<i>War of the Worlds.</i>	film	Rf=04; R: Fi-017-022		Fi=006
	<i>Clockwork Orange, A.</i>	film	Rf=03; R: Fi-023-030		Fi=006
	<i>Close Encounters of the Third Kind.</i>	film	Rf=03; R: Fi-023-030		Fi=010
	<i>Dune.</i>	film	Rf=03; R: Fi-023-030		Fi=002
	<i>Planet of the Apes.</i>	film	Rf=03; R: Fi-023-030		Fi=005
	<i>Solaris.</i>	film	Rf=03; R: Fi-023-030		Fi=007
	<i>Soylent Green.</i>	film	Rf=03; R: Fi-023-030		Fi=002
	<i>Star Trek & sequels.</i>	tv series & films	Rf=03; R: Fi-023-030		Fi=002 (ser); Fi=026 (8 films); TV=341 (6 tv ser); Med Fr=27; Total=396

Table 7.4.3.2.d. (continued): 1996 SFS Most Widely Assigned Survey Compared with 1959-2009 <i>Extrapolation</i> Article Data					
Author	Work	Type of Work	# Refs (Rf=); Rank: Type - #	# Refs By AU	# Refs By Work
	<i>Thing, The.</i>	films	Rf=03; R: Fi-023-030		Fi=007 (1951); Fi=004 (1982); Fi total=011
<p>Based in part upon: Evans, Arthur B.; Mullen, R. Dale. "North American College Courses in Science Fiction, Utopian Literature, and Fantasy" [in special section:] "Science Fiction in Academe." <i>Science-Fiction Studies</i> 23.3.70 (November 1996): 437-528 [section:] "Addenda: The Books, Authors, and Films Most Widely Assigned": 525-526. The Summary Threshold for each category is the minimum number of references found within the course descriptions for an author or work to be listed on Evans and Mullen's 'most widely assigned' listings.</p> <p>Note: # All Refs Rcvd By Author is number of primary references received by author in the analyzed 937 Articles in <i>Extrapolation</i> (Au=); # All Refs Rcvd By Work is number of references received by this primary work in my data set (Wk=; CWk=). Plato and his <i>Republic</i> data based on my secondary works data set not otherwise analyzed in this dissertation.</p> <p>Note: Rf=# of references received; R: Au, R: Bk, R: An, R: Fi are the ranks within the lists of the authors, the books/works, the anthologies, or the films in Mullen's data.</p> <p>Note: Type of Work column: author=author mentioned; coll(s)=collection(s); film(s)=motion picture(s)/film(s); med fr=media franchise; novel=novels listed; ser=series; sf(s)=short fiction(s). Plato's <i>Republic</i> is a non-fiction work in the data set for this dissertation, but could be considered a novel.</p>					

places with 4 assignments but a total of 64 referenced received as noted above, while the *Star Trek* franchise shared 23rd-30th places (3 assignments) but received 396 references in the data, 26 for eight films, 341 for the six different TV series, and 29 for the series or franchise as a whole. Seven of the assigned films, including one of the films in each of two franchises, were also on the list of most frequently referenced primary works (Table 7.4.1.3.a. above), with only *E.T.: The Extra-Terrestrial* on the most frequently referenced list but not on the widely assigned one.

7.4.3.3. *Speculative Fiction: The Canon and The Authors and Works Most Widely Assigned*

It is interesting to compare the widely assigned authors and works lists gathered in 1996 with the 112 items on the 1961 proposed canon. The widely assigned lists were based upon the pedagogical choices made by the instructors of the courses listed, but choices that were sometimes constrained by the then current availability of the texts. In the mid-1990s, texts that were out-of-print at the time that the syllabi were created and textbook lists submitted to campus bookstores could often be placed on library reserves either from the campus library's own collections or from that of the instructor, but reserve services might not have been adequate should an instructor have desired that an entire class read one of the longer texts, particularly if the course was larger than a small seminar. At the beginning of the third decade of the twenty-first millennium, this may seem to be a less pressing issue with so many texts, older and well as recent, being made available in digital or print-on-demand forms.

With the possible constraints of then availability of assigned texts in mind, and the fact that the proposed canon and the widely assigned lists are separated by thirty-five years, it is interesting that 30 of the particular titles on the canon list are also on the assigned list, and one could incorporate nine additional titles from the canon list if the short fictions canon entries by Asimov (1 title), Lovecraft (2), and Poe (6), happened to be published in one or more of the generic 'collections' on the assigned list. Thus, a third of a century after the canon list was proposed, between a quarter ($30/112=26.8\%$) and a third ($39/112=34.8\%$) of the items on the list were still of significance, whether in

the historical or the thematic sense, and (presumably) still in print, such that instructors still wished and were able to assign them to their students for reading and discussion.

While they are not always represented on the canon list with the same titles as on the widely assigned works list, 22 of the 56 widely assigned authors also will be found among the 84 authors on the canon list; this representation of earlier authors is striking since a number of the authors on the widely assigned list had not even started their professional writing careers at the time of the 1961 proposal. Swift with Gulliver's imaginary voyages, Shelley and her mad Dr. Frankenstein and his creation, and Poe many of whose tales touch upon science fictional, fantastic, or horror themes or tropes are the earliest authors of works on both lists and represent different streams of the imagination that have fed into modern fantasy and science fiction. As modern F&SF continues to grow and evolve, no doubt future proposers of would-be canons or other significant works and instructors creating lists of assigned texts, will add and drop authors and works from such lists, scholars will continue to pick and choose which authors and works they wish to devote their research time to, and they all will continue to demonstrate the truth of "the normal, ongoing process that is otherwise called 'changes in literary taste'" (**Altick and Fenstermaker 1993: 6**).

7.4.3.4. Canonical Ruts: The Neglected or Ignored?

Any primary author or work which has not been referenced by a scholar could be considered 'neglected' by academe—which would probably be most creative works ever committed to a so-called permanent form and which survived to be potentially discussed by a scholar. A more likely consideration might be, are there creative works and their

authors which subsequent critics or scholars think are worthy of being critiqued, evaluated, or commented upon which have not yet been so noticed, at least in the pages of *Extrapolation* as represented by its first fifty years of publication?

In a 1983 “Launching Pad” Tom Claeson spoke about the recent SFRA Conference, papers given and the difference between conference papers and published articles, and the editorial processes at *Extrapolation* involving the give and take between the editor, the editorial board member-reviewers, and the authors of contributions submitted to the journal. Then he wrote that “I know that the wish I am going to express will never be realized. But I can hope that a few people will listen. Instead of writing another ten-page critique of a current novel or searching for another mythic/symbolic pattern in current fiction, students of the field should turn to those writers and works which have been neglected or ignored.” He wondered:

Where are the extended serious studies of Stanley G. Weinbaum, John Wyndham, or A. Merritt, for example, to say nothing of such earlier writers as Robert W. Chambers (yes I know of Marion Zimmer Bradley’s 1974 study of Chambers, but it is out of print and was not, I believe, widely circulated) or Stewart Edward White?

With your help *Extrapolation* will be pleased to consider studies of any writer from the nineteenth and twentieth centuries—if not earlier—who has contributed to the development of modern fantasy and science fiction. **(Claeson 1983: 290)**

He also noted that a scholar had recently written to him lamenting the lack of critical attention given to the work of Brian Aldiss who also was a critic and historian of science

fiction. This was not the only time Clareson asked for would-be contributors to consider writing about “neglected or ignored” authors, nor was Clareson the only F&SF scholarly editor to do so.

A decade later, in May of 1993 the editors of *Science Fiction Studies* sent a letter to “64 writers and critics of SF” stating that

We have decided to conduct an old-fashioned *de gustibus non disputandum est*-style survey for SFS. Please list the 5-10 (or whatever) works of SF and/or authors that you feel are the most unjustly ignored or unknown by SF critics and scholars. Works can mean anything—novels, films, story collections, individual stories, real-world SF phenomena, etc.

They had two goals: “1) lists like this are entertaining in their own right; and 2) we are conscious that SFS has concentrated on a sort of canon that has influenced other readers of SFS, and has led to a kind of self-reinforcing list of Great SF Works.” They also expressed the belief that “one good way to get out of our canonical rut is to alert other critics to the sorts of texts we would be especially interested in discussing” (***Science-Fiction Studies* Editors 1993: 422**). They received 35 responses (a respectable 54.7% response rate) which they proceeded to publish.

The ‘unjustly ignored’, unknown, or neglected lists were arranged by respondent with their numbered lists (3-22 items) which could include simply names (primarily authors), names with specific titles of works or characterizations (e.g., short fictions, early novels), and occasionally a brief discussion of aspects of the authors or of themes or topics felt to be ignored or neglected. In the three parts of Table 7.4.3.4. below,

these entries have been summarized and include information from the *Extrapolation* articles data set about number of references given, if any, to the authors or the works.

Authors Nominated as Neglected: The Authors portion displayed below (Table 7.4.3.4.a.) includes a notation as to whether the authors' works in general were being nominated as neglected, whether a specific work or works were nominated, or whether different respondents had indicated works in general or a specific work; the total number of nominations for that author are noted together with the total number of nominating respondents. The total number of references given, formal and informal, in the 937 articles in *Extrapolation*, is also provided and this is the determinant for the order of names from the most references received to the least and then none. There are 201 different entries on this list, though the entry for the nominated as neglected Lewis Padgett is listed twice, once under C. L. Moore and once under Henry Kuttner, the husband-and-wife team who published under this pseudonym and each of whom received a neglected nomination on their own.

Individual authors on the list total 177, together with two author duos (the Strugatski Brothers; 'Lewis Padgett') and an editor duo, a total of 10 named author-musicians (e.g., Laurie Anderson, Sun Ra), and 11 music groups, either with a collective group name (e.g., Devo, Kraftwerk), or the personal name duos of Buchanan and Goodman or Brian Eno with David Byrne, or Eno's trio with Daniel Lanois and his brother Roger Eno. Of the 197 named individuals, excluding the eight music groups with collective names, there are 41 women and 156 men, or 20.8% and 79.2% respectively. Of the 202 entries (including the Padgett duplication), 60 were

Table 7.4.3.4.a.:
1993 SFS Unjustly Neglected Works Survey
Compared with 1959-2009 *Extrapolation* Article Data

Neglected Author	Neglected Work	Author Type	Total # AU Nom'ns	Total # Nom'rs of AU	# All Refs Rcvd By Author	# All Refs Rcvd By Work
Authors Nominated with or without Specific Work Nominations [Arranged by References Received by the Author in <i>Extrapolation</i>]						
Le Guin, Ursula K.	[specific work(s)]	author	1	1	Au=563	
Heinlein, Robert A.	[work generally; & specific work(s)]	author	2	2	Au=519	
Dick, Philip K.	[specific work(s)]	author	2	2	Au=229	
Clarke, Arthur	[work generally]	author	1	1	Au=227	
Delany, Samuel	[work generally; & specific work(s)]	author	5	5	Au=113	
Lem, Stanisław	[specific work(s)]	author	1	1	Au=110	
Zelazny, Roger	[work generally]	author	1	1	Au=108	
Tiptree, James, Jr. [pso: Sheldon, Alice]	[work generally]	author	2	2	Au=107	
Merril, Judith	[work generally]	author	1	1	Au=104	
Herbert, Frank	[work generally; & specific work(s)]	author	2	2	Au=098	
Silverberg, Robert	[work generally; & specific work(s)]	author	5	5	Au=095	
Huxley, Aldous	[specific work(s)]	author	1	1	Au=086	
Campbell, John W.	[work generally]	author	2	2	Au=081	
Blish, James	[work generally; & specific work(s)]	author	2	2	Au=077	
Verne, Jules	[work generally]	author	1	1	Au=074	
Ellison, Harlan	[work generally]	author	3	3	Au=069	
Simak, Clifford	[work generally; & specific work(s)]	author	5	4	Au=067	
Farmer, Philip José	[work generally]	author	1	1	Au=063	
Ballard, J. G.	[work generally; & specific work(s)]	author	2	2	Au=062	
Russ, Joanna	[work generally; & specific work(s)]	author	6	6	Au=060	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Sheckley, Robert	[work generally; & specific work(s)]	author	8	3	Au=060	
Wyndham, John	[work generally]	author	1	1	Au=056	
Burroughs, Edgar Rice	[specific work(s)]	author	2	1	Au=055	
Smith, Cordwainer	[work generally; & specific work(s)]	author	8	7	Au=053	
Butler, Octavia	[work generally; & specific work(s)]	author	4	4	Au=052	
Niven, Larry	[work generally]	author	2	2	Au=050	
Stapledon, Olaf	[work generally]	author	1	1	Au=048	
Sturgeon, Theodore	[work generally; & specific work(s)]	author	6	5	Au=048	
Miller, Walter M., Jr.	[work generally]	author	2	2	Au=046	
van Vogt, A. E.	[work generally; & specific work(s)]	author	5	4	Au=046	
Gunn, James	[specific work(s)]	author	2	1	Au=044	
Haldeman, Joe	[work generally]	author	1	1	Au=043	
Anderson, Poul	[work generally]	author	6	6	Au=042	
Bester, Alfred	[work generally]	author	4	4	Au=042	
Aldiss, Brian W.	[work generally; & specific work(s)]	author	6	6	Au=041	
Leiber, Fritz	[work generally]	author	3	3	Au=040	
Moorcock, Michael	[work generally]	author	2	2	Au=039	
Moore, C. L. (solo)	[specific work(s)]	author	2	1	Au=039	
Moore, C. L. (with Kuttner, Henry) as: Padgett, Lewis	[work generally]	authors	2	2	Au=039; Au=020	
Bear, Greg	[specific work(s)]	author	1	1	Au=036	
Robinson, Kim Stanley	[work generally; & specific work(s)]	author	2	2	Au=034	
Doyle, Arthur Conan, Sir	[specific work(s)]	author	2	1	Au=033	
del Rey, Lester	[work generally]	author	1	1	Au=029	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Brunner, John	[work generally]	author	4	4	Au=028	
Clement, Hal [pso: Stubbs, Harry C.]	[work generally]	author	2	2	Au=028	
Ryman, Geoff	[work generally]	author	1	1	Au=026	
Benford, Gregory	[work generally]	author	2	2	Au=021	
Varley, John	[work generally; & specific work(s)]	author	3	2	Au=021	
Kuttner, Henry (solo)	[work generally]	author	2	2	Au=020	
Kuttner, Henry (with Moore, C. L.) as: Padgett, Lewis	[work generally]	authors	2	2	Au=020; Au=039	
McIntyre, Vonda	[work generally; & specific work(s)]	author	2	2	Au=020	
Norton, Andre	[work generally]	author	1	1	Au=020	
Capek, Karel	[work generally; & specific work(s)]	author	2	2	Au=019	
Golding, William	[specific work(s)]	author	1	1	Au=019	
Strugatsky Brothers [Arkady & Boris]	[work generally; & specific work(s)]	authors	8	4	Au=019; Au=019	
Chaykin, Howard	[specific work(s)]	author	1	1	Au=018	
Kessel, John	[specific work(s)]	author	1	1	Au=018	
Disch, Thomas M.	[work generally; & specific work(s)]	author	3	3	Au=017	
Leinster, Murray	[work generally]	author	1	1	Au=017	
Brin, David	[work generally]	author	1	1	Au=016	
Emshwiller, Carol	[work generally; & specific work(s)]	author	5	4	Au=015	
Spinrad, Norman	[work generally; & specific work(s)]	author	3	3	Au=015	
Banks, Iain	[work generally; & specific work(s)]	author	2	2	Au=014	
Malzberg, Barry	[work generally]	author	3	3	Au=014	
May, Julian	[SF work generally, not Fantasy]	author	1	1	Au=014	
Priest, Christopher	[specific work(s)]	author	1	1	Au=014	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Hoban, Russell	[specific work(s)]	author	1	1	Au=013	
McCaffery, Anne	[work generally]	author	1	1	Au=013	
Bishop, Michael	[work generally]	author	1	1	Au=012	
Bull, Emma	[work generally]	author	1	1	Au=011	
Cadigan, Pat	[work generally]	author	1	1	Au=011	
Healy, [Raymond]; McComas, [J. Francis], eds.	[specific work(s)]	editors	1	1	Au=005; Au=006	
Burroughs, William S.	[work generally]	author	2	2	Au=010	
Wilhelm, Kate	[work generally]	author	2	2	Au=010	
Moore, Ward	[specific work(s)]	author	2	1	Au=009	
Roberts, Keith	[specific work(s)]	author	1	1	Au=009	
Amis, Kingley	[specific work(s)]	author	1	1	Au=008	
Norman, John [pso: Lange, John]	[work generally]	author	1	1	Au=008	
Tenn, William [pso: Klass, Philip]	[work generally; & specific work(s)]	author	5	4	Au=008	
Mitchell, J. Leslie [pso: Gibbon, Lewis Grassic]	[specific work(s)]	author	1	1	Au=007	
Wylie, Philip	[specific work(s)]	author	1	1	Au=007	
Callenbach, Ernest	[specific work(s)]	author	1	1	Au=006	
Shirley, John	[specific work(s)]	author	1	1	Au=006	
Vonarburg, Elizabeth	[specific work(s)]	author	1	1	Au=006	
Wolfe, Bernard	[specific work(s)]	author	3	3	Au=006	
Wright, S. Fowler	[work generally; & specific work(s)]	author	2	2	Au=006	
Bowie, David	[specific work(s)]	author- musician	1	1	Au=005	
Christopher, John	[specific work(s)]	author	1	1	Au=005	
Lafferty, R. A.	[work generally]	author	4	4	Au=005	
Tepper, Sherri	[specific work(s)]	author	1	1	Au=005	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Burdekin, Katherine [rno: Constantine, Murray]	[specific work(s)]	author	1	1	Au=004	
Crowley, John	[specific work(s)]	author	2	1	Au=004	
Hay, William D.	[specific work(s)]	author	1	1	Au=004	
Jeter, K. W.	[work generally; & specific work(s)]	author	2	2	Au=004	
Jones, Gwyneth	[work generally; & specific work(s)]	author	2	2	Au=004	
St. Clair, Margaret [aka: Seabright, Idris]	[work generally; & specific work(s)]	author	2	1	Au=004	
Zoline, Pamela	[specific work(s)]	author	1	1	Au=004	
DeLillo, Don	[specific work(s)]	author	1	1	Au=003	
Harrison, M. John	[work generally]	author	1	1	Au=003	
Knight, Damon	[work generally]	author	3	2	Au=003	
Taine, John [pso: Bell, Eric Temple]	[work generally]	author	1	1	Au=003	
Watson, Ian	[specific work(s)]	author	2	2	Au=003	
Willis, Connie	[work generally]	author	1	1	Au=003	
Wittig, Monique	[specific work(s)]	author	1	1	Au=003	
Wright, Austin Tappan	[work generally]	author	1	1	Au=003	
Acker, Kathy	[specific work(s)]	author	1	1	Au=002	
Boulle, Pierre	[specific work(s)]	author	1	1	Au=002	
Finch, Sheila	[specific work(s)]	author	1	1	Au=002	
Flammarion, Camille	[work generally]	author	1	1	Au=002	
Hesiod	[specific work(s)]	author	1	1	Au=002	
Jones, Langdon	[work generally]	author	1	1	Au=002	
Martinson, Harry	[specific work(s)]	author	1	1	Au=002	
Mead, Shepherd	[specific work(s)]	author	1	1	Au=002	
Mitchison, Naomi	[specific work(s)]	author	1	1	Au=002	
Oliver, Chad	[work generally; & specific work(s)]	author	5	3	Au=002	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Pangborn, Edgar	[work generally; & specific work(s)]	author	3	2	Au=002	
Scott, Jody	[specific work(s)]	author	2	1	Au=002	
Bayley, Barrington	[work generally]	author	1	1	Au=001	
Buchanan, Bill; Goodman, Dickie	[specific work(s)]	music group	1	1	Au=001; Au=001	
Carter, Angela	[work generally; & specific work(s)]	author	3	2	Au=001	
Coblentz, Stanton A.	[work generally]	author	1	1	Au=001	
Dickinson, Peter	[work generally]	author	1	1	Au=001	
Gray, Alasdair	[specific work(s)]	author	1	1	Au=001	
Holland, Cecilia	[specific work(s)]	author	1	1	Au=001	
Jeury, Michel	[work generally]	author	2	2	Au=001	
Millhiser, Marlys	[specific work(s)]	author	3	1	Au=001	
Misha	[specific work(s)]	author	1	1	Au=001	
Rice, Elmer	[specific work(s)]	author	1	1	Au=001	
Sanders, Lawrence	[specific work(s)]	author	1	1	Au=001	
Schmitz, James	[work generally]	author	1	1	Au=001	
Simmons, Dan	[specific work(s)]	author	1	1	Au=001	
Stine, Hank [later: Stine, Jean]	[specific work(s)]	author	1	1	Au=001	
Turner, George	[specific work(s)]	author	3	2	Au=001	
Vinge, Vernor	[work generally]	author	1	1	Au=001	
Adeler, Max [pso: Clark, Charles Heber]	[specific work(s)]	author	1	1	Au=000	
Aitmatov, Chingiz	[specific work(s)]	author	1	1	Au=000	
Anderson, Laurie	[specific work(s)]	author-musician	1	1	Au=000	
Branca, Glenn	[specific work(s)]	author-musician	2	1	Au=000	
Brussolo, Serge	[work generally]	author	2	2	Au=000	
Bunch, David R.	[work generally; & specific work(s)]	author	3	3	Au=000	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Compton, D. G.	[work generally]	author	1	1	Au=000	
Coney, Michael	[specific work(s)]	author	1	1	Au=000	
Crane, Robert	[specific work(s)]	author	1	1	Au=000	
Cromie, Robert	[specific work(s)]	author	1	1	Au=000	
DeHaven, Tom	[specific work(s)]	author	1	1	Au=000	
Devo	[specific work(s)]	music group	1	1	Au=000	
Eno, Brian; Byrne, David	[specific work(s)]	music group	1	1	Au=000; Au=000	
Eno, Brian; Lanois, Daniel; Eno, Roger	[specific work(s)]	music group	1	1	Au=000; Au=000; Au=000	
Fairbairns, Zoe	[specific work(s)]	author	1	1	Au=000	
Fast, Howard	[specific work(s)]	author	1	1	Au=000	
Findley, Timothy	[specific work(s)]	author	1	1	Au=000	
Forrest, Katherine V.	[specific work(s)]	author	1	1	Au=000	
Geary, Patricia	[specific work(s)]	author	2	1	Au=000	
Gentle, Mary	[specific work(s)]	author	1	1	Au=000	
Goldstein, Lisa	[specific work(s)]	author	1	1	Au=000	
Griffin, Russell M.	[specific work(s)]	author	2	1	Au=000	
Hall, Sandi	[specific work(s)]	author	1	1	Au=000	
Hampson, Frank	[specific work(s)]	author	1	1	Au=000	
Hechert, Matt	[specific work(s)]	author-musician	1	1	Au=000	
Hendrix, Jimi	[specific work(s)]	author-musician	1	1	Au=000	
Koontz, Dean	[work generally]	author	1	1	Au=000	
Kraftwerk	[specific work(s)]	music group	1	1	Au=000	
Le Rouge, Gustave	[work generally]	author	1	1	Au=000	
Lewis, Wyndham	[specific work(s)]	author	1	1	Au=000	
Masson, David I.	[specific work(s)]	author	1	1	Au=000	
McElroy, Joseph	[specific work(s)]	author	1	1	Au=000	

**Table 7.4.3.4.a. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	<i>Neglected Work</i>	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Ministry	[specific work(s)]	music group	1	1	Au=000	
Murakami, Harukai	[specific work(s)]	author	1	1	Au=000	
Niven, Fredrick	[specific work(s)]	author	1	1	Au=000	
Palmer, Jane	[specific work(s)]	author	1	1	Au=000	
Pfeil, Fred	[specific work(s)]	author	1	1	Au=000	
Pinkwater, Daniel M.	[specific work(s)]	author	1	1	Au=000	
Player, Ernest A.	[specific work(s)]	author	1	1	Au=000	
Ra, Sun	[specific work(s)]	author-musician	1	1	Au=000	
Reed, Lou	[specific work(s)]	author-musician	2	1	Au=000	
Renard, Maurice	[work generally; & specific work(s)]	author	2	2	Au=000	
Robida, Albert	[work generally; & specific work(s)]	author	1	1	Au=000	
Roshwald, Mordecai	[specific work(s)]	author	1	1	Au=000	
Rosny the Elder [l'Áiné], J. H.	[work generally; & specific work(s)]	author	3	2	Au=000	
See, Carolyn	[specific work(s)]	author	1	1	Au=000	
Severed Heads	[specific work(s)]	music group	1	1	Au=000	
Sharp, Elliott	[specific work(s)]	author-musician	1	1	Au=000	
Skal, David	[specific work(s)]	author	1	1	Au=000	
Skinny Puppy	[specific work(s)]	music group	1	1	Au=000	
Smith, Patti	[specific work(s)]	author-musician	1	1	Au=000	
Sonic Youth	[specific work(s)]	music group	1	1	Au=000	
Sonin, Ray	[specific work(s)]	author	1	1	Au=000	
Spitz, Jacques	[work generally]	author	1	1	Au=000	
Stableford, Brian	[specific work(s)]	author	1	1	Au=000	

Table 7.4.3.4.a. (continued): 1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 <i>Extrapolation</i> Data						
Neglected Author	Neglected Work	Author Type	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Steiner, Kurt [pso: Ruellan, André]	[work generally]	author	1	1	Au=000	
Thompson, Joyce	[specific work(s)]	author	1	1	Au=000	
Turner, Frederick	[specific work(s)]	author	1	1	Au=000	
VOIVOID [Canadian heavy metal group]	[work generally]	music group	1	1	Au=000	
Vollmann, William	[specific work(s)]	author	1	1	Au=000	
Vynnychenko, Volodymyr Kyrylowych	[specific work(s)]	author	1	1	Au=000	
Waldrop, Howard	[work generally]	author	1	1	Au=000	
Wettenhovi-Aspa, [Sigurd]	[specific work(s)]	author	1	1	Au=000	
White, David	[specific work(s)]	author	1	1	Au=000	
Wooley, Sheb	[specific work(s)]	author-musician	1	1	Au=000	
Yellow Magic Orchestra	[work generally]	music group	1	1	Au=000	
Zebrowski, George	[specific work(s)]	author	1	1	Au=000	
Zulavsky, A. [aka: Zuławski, Jerzy]	[specific work(s)]	author	3	1	Au=000	

Note: For basis and abbreviations, see Notes at bottom of Table 7.4.3.4.c.

nominations for particular authors as neglected with no indication of specific works (29.7%), 107 authors were nominated only for a specific work or works (53.0%), and 35 were authors who were nominated in both of these categories by different respondents for either their works in general or for specific works (17.3%).

What is particularly noteworthy is that 50 of these nominated as unjustly ignored or neglected authors are on the list of 118 most frequently referenced authors (20-563

references received; section 7.4.1.1. above). There are 26 listings for an author's works in general as neglected, 9 for specific works neglected, and 17 for authors in both categories; Lewis Padgett is nominated for works in general, as is Henry Kuttner solo, but C. L. Moore solo has a nomination for a specific work, hence the 52 total. While it is understandable that some of the respondents could consider particular works of these most frequently referenced authors as having been ignored by scholars, hence the 26 authors with specific works nominated, it is somewhat less understandable that at least some of the most frequently referenced authors at the top of the *Extrapolation* listing were perceived as neglected, e.g., Robert A. Heinlein (519 *Extrapolation* references), Samuel R. Delany (113). It is possible that some of the respondents were making nominations based on what they sensed were SF authors neglected in the pages of *Science Fiction Studies* specifically, rather than neglected by the F&SF scholarly field in general, or perhaps nominating those on whom they wanted to see yet more scholarly work; one would need to know the respondents' definitions of 'ignored' or would need to conduct a study of *SFS* similar to this one based on *Extrapolation* for comparison. For another characterization of ignored/neglected versus not-ignored/-neglected one could also consult the *Science Fiction & Fantasy Research Database* or the *MLA International Bibliography* to see how often materials primarily about these authors are listed in either specialized F&SF scholarly venues or in scholarly literary sources in general.

That there were nominated-as-neglected authors who indeed were ignored by the scholar-authors of *Extrapolation*'s articles chosen for publication is indisputable for 68 of these authors or groups were not referenced once in the articles of the 50 years of *Extrapolation* analyzed here; this includes 19 of the 21 music groups or author-

musicians. These 68 entries represent 51 named male individuals, 11 females, and 8 groups. There were another 17 entries for authors referenced only once (including another music group), with 14 named males and 4 females; and 12 entries for 8 males and 4 females who were referenced twice. Of the author-musicians group, only David Bowie gained the heights of 5 references received in the *Extrapolation* data set.

Works Nominated as Neglected: The second portion of the neglected nominations is devoted to Authors and Specific Nominated Works (Table 7.4.3.4.b. below), and includes the type of work, the number of times the specific work was nominated, and the number of nominating respondents; the arrangement of works is by number of references received by the specific work in the *Extrapolation* article data from highest to lowest and none, but also includes the total number of references the author received as a whole. This list has 179 entries, dominated by specific novels (131; 73.2%) and musical works (21; 11.7%). The remainder of the list includes 10 short fictions (5.6%), 6 series titles (4 novel series; 2 comic book series), 5 short fiction collections, 3 poetic works, and ends with a drama, an anthology, and a religious text.

Of these 179 titles, more than half (102; 57.0%) did not receive a single reference in the *Extrapolation* article data. Of these 102, there were 64 works by authors who themselves received no references, 6 works by authors with a single reference, 7 by authors with two references, and the remaining 24 no-references titles by authors with 3-62 references, including 6 authors on the most frequently referenced authors list; *The Talmud*, with no author, is also on the no-references work list. The remaining 77 titles included 21 with a single reference to that work (11.7%) including

Table 7.4.3.4.b.:
1993 SFS Unjustly Neglected Works Survey
Compared with 1959-2009 *Extrapolation* Article Data

Neglected Author	Neglected Work	Type of Work	Total # Title Nom'ns	Total # Nom'rs of TI	# Refs By AU	# Refs By Work
Authors and Specific Nominated Works [Arranged by References Received by the Work in <i>Extrapolation</i>]						
Herbert, Frank	<i>Dune.</i>	novel	1	1	Au=098	Wk=043
Le Guin, Ursula K.	<i>Always Coming Home.</i>	novel	1	1	Au=563	Wk=019
Moore, C. L.	No Woman Born.	sf	1	1	Au=039	Wk=016
Delany, Samuel	<i>Einstein Intersection, The.</i>	novel	1	1	Au=113	Wk=014
Simak, Clifford	<i>City.</i>	novel	1	1	Au=067	Wk=013
van Vogt, A. E.	<i>Slan.</i>	novel	1	1	Au=046	Wk=011
Burroughs, Edgar Rice	<i>Venus series [Pellucidar]</i>	novel series	1	1	Au=055	Wk=004 (series); Wk=005 (3 novels)
Delany, Samuel	<i>Dhalgren.</i>	novel	1	1	Au=113	Wk=009
Moore, Ward	<i>Bring the Jubilee.</i>	novel	1	1	Au=009	Wk=008
Hoban, Russell	<i>Riddley Walker.</i>	novel	1	1	Au=013	Wk=007
Burroughs, Edgar Rice	<i>Mars series [Barsoom]</i>	novel series	1	1	Au=055	Wk=006
Dick, Philip K.	<i>We Can Build You.</i>	novel	1	1	Au=229	Wk=006
Doyle, Arthur Conan, Sir	<i>Lost World, The.</i>	novel	1	1	Au=033	Wk=006
Heinlein, Robert A.	<i>Door into Summer, The.</i>	novel	1	1	Au=519	Wk=006
Huxley, Aldous	<i>Ape and Essence.</i>	novel	1	1	Au=086	Wk=006
Shirley, John	<i>Eclipse Trilogy.</i>	novel series	1	1	Au=006	Wk=002 (series); Wk=004 (3 novels)
Sturgeon, Theodore	<i>Venus Plus X.</i>	novel	1	1	Au=048	Wk=006
Callenbach, Ernest	<i>Ecotopia.</i>	novel	1	1	Au=006	Wk=005
Dick, Philip K.	<i>Time Out of Joint.</i>	novel	1	1	Au=229	Wk=005
Golding, William	<i>Inheritors, The.</i>	novel	1	1	Au=019	Wk=005

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Healy, Raymond; McComas, J. Francis, eds.	<i>Adventures in Time and Space</i> [aka: <i>Famous Science Fiction Stories</i>].	anth-sf	1	1	Au=005; Au=006	Wk=005
Roberts, Keith	<i>Pavane</i> .	novel	1	1	Au=009	Wk=005
Blish, James	<i>Frozen Year, The</i> .	novel	1	1	Au=077	Wk=004
Burdekin, Katherine [aka: Constantine, Murray]	<i>Swastika Night</i> .	novel	1	1	Au=004	Wk=004
Butler, Octavia	<i>Bloodchild</i> .	novel	1	1	Au=052	Wk=004
Aldiss, Brian W.	<i>Helliconia Trilogy The</i>	novel series	1	1	Au=041	Wk=001 (series); Wk=002 (2 novels)
Bear, Greg	<i>Eon</i> [not, <i>Eternity</i>].	novel	1	1	Au=036	Wk=003
Chaykin, Howard	<i>American Flagg</i>	comic series	1	1	Au=018	Wk=003
Doyle, Arthur Conan, Sir	<i>Poison Belt, The</i> .	novel	1	1	Au=033	Wk=003
Hay, William D.	<i>Three Hundred Years Hence</i> .	novel	1	1	Au=004	Wk=003
Spinrad, Norman	<i>Bug Jack Barron</i> .	novel	1	1	Au=015	Wk=003
van Vogt, A. E.	<i>Weapon Shop of Isher, The</i> .	novel	1	1	Au=046	Wk=003
Varley, John	<i>Ophiuchi Hotline</i> .	novel	1	1	Au=021	Wk=003
Wittig, Monique	<i>Guerillèrs, Les</i> .	novel	1	1	Au=003	Wk=003
Wolfe, Bernard	<i>Limbo</i>	novel	3	3	Au=006	Wk=003
Zoline, Pamela	<i>Heat Death of the Universe</i> .	sf	1	1	Au=004	Wk=003
Acker, Kathy	<i>Empire of the Senseless</i>	novel	1	1	Au=002	Wk=002
Aldiss, Brian W.	<i>Hothouse</i> [aka: <i>The Long Afternoon of Earth</i>].	novel	1	1	Au=041	Wk=002
Banks, Iain	<i>Consider Phlebas</i> [and not others]	novel	1	1	Au=014	Wk=002
Christopher, John	<i>Death of Grass</i> . [aka: <i>No Blade of Grass</i> .]	novel	1	1	Au=005	Wk=002
Gunn, James	<i>Listeners, The</i> .	novel	1	1	Au=044	Wk=002

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Kessel, John	<i>Good News from Outer Space.</i>	novel	1	1	Au=018	Wk=002
Lem, Stanisław	<i>Eden.</i>	novel	1	1	Au=110	Wk=002
McIntyre, Vonda	<i>Exile Waiting, The.</i>	novel	1	1	Au=020	Wk=002
Mead, Shepherd	<i>Big Ball of Wax, The.</i>	novel	1	1	Au=002	Wk=002
Pangborn, Edgar	<i>Davy.</i>	novel	1	1	Au=002	Wk=002
Scott, Jody	<i>I, Vampire.</i>	novel	1	1	Au=002	Wk=002
Sheckley, Robert	<i>Laxian Key, The.</i>	sf	1	1	Au=060	Wk=002
Silverberg, Robert	<i>Dying Inside.</i>	novel	1	1	Au=095	Wk=002
Simak, Clifford	<i>Way Station.</i>	novel	1	1	Au=067	Wk=002
Smith, Cordwainer	<i>Alpha Ralpa Boulevard.</i>	sf	1	1	Au=053	Wk=002
Strugatsky Brothers [Arkady & Boris]	<i>Tale of the Troika, The.</i>	novel	1	1	Au=019; Au=019	Wk=002
van Vogt, A. E.	<i>Weapon Makers, The.</i>	novel	1	1	Au=046	Wk=002
Varley, John	<i>Millenium.</i>	novel	1	1	Au=021	Wk=002
Wylie, Philip	<i>Disappearance, The.</i>	novel	1	1	Au=007	Wk=002
Wright, S. Fowler	<i>World Below, The.</i>	novel	1	1	Au=006	Wk=002
Boulle, Pierre	<i>Planet of the Apes.</i>	novel	1	1	Au=002	Wk=001
Bowie, David	<i>Ziggy Stardust.</i>	music	1	1	Au=005	Wk=001
Buchanan, Bill; Goodman, Dickie	<i>Flying Saucer [single].</i>	music	1	1	Au=001; Au=001	Wk=001
Carter, Angela	<i>Heroes and Villains</i>	novel	2	2	Au=001	Wk=001
DeLillo, Don	<i>Ratner's Star.</i>	novel	1	1	Au=003	Wk=001
Disch, Thomas M.	<i>On Wings of Song.</i>	novel	1	1	Au=017	Wk=001
Emshwiller, Carol	<i>Carmen Dog.</i>	novel	1	1	Au=015	Wk=001
Gray, Alasdair	<i>Lanark.</i>	novel	1	1	Au=001	Wk=001
Gunn, James	<i>Joy Makers, The.</i>	novel	1	1	Au=044	Wk=001
Holland, Cecilia	<i>Floating Worlds.</i>	novel	1	1	Au=001	Wk=001
Martinson, Harry	<i>Aniara.</i> [Eng tr: Hugh MacDiarmid.]	poetry	1	1	Au=002	Wk=001
Millhiser, Marlys	<i>Mirror, The.</i>	novel	1	1	Au=001	Wk=001
Misha	<i>Red Spider, White Web.</i>	novel	1	1	Au=001	Wk=001

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Mitchell, J. Leslie [pso: Gibbon, Lewis Grassic]	<i>Gay Hunter.</i>	novel	1	1	Au=007	Wk=001
Mitchison, Naomi	<i>Memories of a Space Woman.</i>	novel	1	1	Au=002	Wk=001
Moore, Ward	<i>Greener Than You Think.</i>	novel	1	1	Au=009	Wk=001
Priest, Christopher	<i>Dream of Wessex, A.</i>	novel	1	1	Au=014	Wk=001
Rice, Elmer	<i>Adding Machine, The.</i>	drama	1	1	Au=001	Wk=001
Sanders, Lawrence	<i>Tomorrow File, The.</i>	novel	1	1	Au=001	Wk=001
Sheckley, Robert	<i>Mindswap.</i>	novel	2	2	Au=060	Wk=001
Strugatsky Brothers [Arkady & Boris]	<i>Monday Begins on Saturday</i>	novel	1	1	Au=019; Au=019	Wk=001
Adeler, Max [pso: Clark, Charles Heber]	Professor Baffin's Adventures [aka:] The Fortunate Island.	sf	1	1	Au=000	Wk=000
Aitmatov, Chingiz	<i>Day Lasts More than a Hundred Years, The.</i>	novel	1	1	Au=000	Wk=000
Amis, Kingley	<i>Russian Hide-and-Seek.</i>	novel	1	1	Au=008	Wk=000
Anderson, Laurie	<i>Big Science.</i>	music	1	1	Au=000	Wk=000
Ballard, J. G.	Why I Want To Fuck Ronald Reagan. IN: <i>The Atrocity Exhibition.</i>	sf	1	1	Au=062	Wk=000
Branca, Glenn	<i>Describing Planes of an Expanding Hyperspace.</i>	music	1	1	Au=000	Wk=000
Branca, Glenn	<i>Symphony No. 5.</i>	music	1	1	Au=000	Wk=000
Brunner, John	<i>Total Eclipse.</i>	novel	1	1	Au=028	Wk=000
Bunch, David R.	<i>Moderan.</i>	coll-sf	2	2	Au=000	Wk=000
Capek, Karel	<i>Absolute at Large, The.</i>	novel	1	1	Au=019	Wk=000
Coney, Michael	<i>Hello Summer, Goodbye.</i>	novel	1	1	Au=000	Wk=000
Crane, Robert	<i>Hero's Walk</i>	novel	1	1	Au=000	Wk=000
Cromie, Robert	<i>Crack of Doom, The.</i>	novel	1	1	Au=000	Wk=000
Crowley, John	<i>Beasts.</i>	novel	1	1	Au=004	Wk=000
Crowley, John	<i>Engine Summer.</i>	novel	1	1	Au=004	Wk=000
DeHaven, Tom	<i>Freaks Amour.</i>	novel	1	1	Au=000	Wk=000
Devo	<i>Are We Not Men?</i>	music	1	1	Au=000	Wk=000

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 Extrapolation Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Emshwiller, Carol	<i>Joy in Our Cause.</i>	coll-sf	1	1	Au=015	Wk=000
Emshwiller, Carol	<i>Start of the End of It All, The.</i>	coll-sf	1	1	Au=015	Wk=000
Eno, Brian; Byrne, David	<i>Taking Tiger Mountain By Strategy.</i>	music	1	1	Au=000; Au=000	Wk=000
Eno, Brian; Lanois, Daniel; Eno, Roger	<i>Apollo.</i>	music	1	1	Au=000; Au=000; Au=000	Wk=000
Fairbairns, Zoe	<i>Benefits.</i>	novel	1	1	Au=000	Wk=000
Fast, Howard	<i>Edge of Tomorrow, The.</i>	coll-sf	1	1	Au=000	Wk=000
Finch, Sheila	<i>Infinity's Web.</i>	novel	1	1	Au=002	Wk=000
Findley, Timothy	<i>Not Wanted on the Voyage.</i>	novel	1	1	Au=000	Wk=000
Forrest, Katherine V.	<i>Daughters of a Coral Dawn.</i>	novel	1	1	Au=000	Wk=000
Geary, Patricia	<i>Living in Ether.</i>	novel	1	1	Au=000	Wk=000
Geary, Patricia	<i>Strange Toys.</i>	novel	1	1	Au=000	Wk=000
Gentle, Mary	<i>Golden Witchbreed.</i>	novel	1	1	Au=000	Wk=000
Goldstein, Lisa	<i>Dream Stars, The.</i>	novel	1	1	Au=000	Wk=000
Griffin, Russell M.	<i>Blind Men and the Elephant, The.</i>	novel	1	1	Au=000	Wk=000
Griffin, Russell M.	<i>Century's End.</i>	novel	1	1	Au=000	Wk=000
Hall, Sandi	<i>Godmothers, The.</i>	novel	1	1	Au=000	Wk=000
Hampson, Frank	<i>Dan Dare--Pilot of the Future.</i>	comic series	1	1	Au=000	Wk=000
Hechert, Matt	<i>Bitter Message of Hopelessness, A [soundtrack].</i>	music	1	1	Au=000	Wk=000
Hendrix, Jimi	<i>Electric Ladyland. Album 2.</i>	music	1	1	Au=000	Wk=000
Hesiod	<i>Works and Days.</i>	poetry	1	1	Au=002	Wk=000
Jeter, K. W.	<i>Glass Hammer, The</i>	novel	1	1	Au=004	Wk=000
Jones, Gwyneth	<i>Escape Plans.</i>	novel	1	1	Au=004	Wk=000
Kraftwerk	<i>Computer World.</i>	music	1	1	Au=000	Wk=000
Lewis, Wyndham	<i>Human Age, The.</i>	novel	1	1	Au=000	Wk=000

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 Extrapolation Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Masson, David I.	<i>Caltraps of Time.</i>	novel	1	1	Au=000	Wk=000
McElroy, Joseph	<i>Plus.</i>	novel	1	1	Au=000	Wk=000
Millhiser, Marlys	<i>Egalia's Daughters.</i>	novel	1	1	Au=001	Wk=000
Millhiser, Marlys	<i>Gerd Bartenbergr.</i>	novel	1	1	Au=001	Wk=000
Ministry	<i>Mind is a Terrible Thing to Taste, The.</i>	music	1	1	Au=000	Wk=000
Murakami, Harukai	<i>Hard Boiled Wonderland.</i>	novel	1	1	Au=000	Wk=000
Niven, Fredrick	Story of the Future, A. IN: <i>Above Your Heads</i> , by Niven.	sf	1	1	Au=000	Wk=000
Oliver, Chad	<i>Shadows in the Sun.</i>	novel	1	1	Au=002	Wk=000
Oliver, Chad	<i>Shores of Another Sea, The.</i>	novel	1	1	Au=002	Wk=000
Oliver, Chad	<i>Unearthly Neighors.</i>	novel	1	1	Au=002	Wk=000
Palmer, Jane	<i>Planet Dweller, The.</i>	novel	1	1	Au=000	Wk=000
Pangborn, Edgar	<i>Mirror for Observers, A.</i>	novel	1	1	Au=002	Wk=000
Pfeil, Fred	<i>Goodman 2020.</i>	novel	1	1	Au=000	Wk=000
Pinkwater, Daniel M.	<i>Lizard Music.</i>	novel	1	1	Au=000	Wk=000
Player, Ernest A.	<i>Captain "Space" Kingley [aka: Captain 'Space' Kingley Annual, The: 1953].</i>	novel	1	1	Au=000	Wk=000
Ra, Sun	<i>Nubians of Plutonia, The.</i>	music	1	1	Au=000	Wk=000
Reed, Lou	Cool It Down [single].	music	1	1	Au=000	Wk=000
Reed, Lou	<i>Metal Machine Music.</i>	music	1	1	Au=000	Wk=000
Roshwald, Mordecai	<i>Level 7.</i>	novel	1	1	Au=000	Wk=000
Rosny the Elder [l'Áiné], J. H.	<i>navigateurs de l'infini, Les.</i>	novel	1	1	Au=000	Wk=000
Rosny the Elder [l'Áiné], J. H.	<i>Voyage de Hareton Ironcastle, Le</i>	novel	1	1	Au=000	Wk=000
Russ, Joanna	<i>On Strike Against God.</i>	novel	1	1	Au=060	Wk=000
Scott, Jody	<i>Passing for Human.</i>	novel	1	1	Au=002	Wk=000
See, Carolyn	<i>Golden Days.</i>	novel	1	1	Au=000	Wk=000
Severed Heads	<i>Bulkhead.</i>	music	1	1	Au=000	Wk=000
Sharp, Elliott	<i>Loop Pool.</i>	music	1	1	Au=000	Wk=000

**Table 7.4.3.4.b. (continued):
1993 SFS Unjustly Neglected Works Survey Compared with 1959-2009 *Extrapolation* Data**

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Sheckley, Robert	All the Things We Are.	sf	1	1	Au=060	Wk=000
Sheckley, Robert	Early Model	sf	1	1	Au=060	Wk=000
Simmons, Dan	<i>Hyperion</i> [not, <i>Fall of Hyperion, The</i>].	novel	1	1	Au=001	Wk=000
Skal, David	<i>Antibodies</i>	novel	1	1	Au=000	Wk=000
Skinny Puppy	<i>Clean, Fold or Manipulate.</i>	music	1	1	Au=000	Wk=000
Smith, Patti	Birdland. <i>Horses</i> [album].	music	1	1	Au=000	Wk=000
Sonic Youth	<i>Daydream Nation.</i>	music	1	1	Au=000	Wk=000
Sonin, Ray	<i>Captain "Space" Kingley</i> [aka: <i>Adventures of Captain 'Space' Kingley: 1952</i>].	novel	1	1	Au=000	Wk=000
St. Clair, Margaret [aka: Seabright, Idris]	<i>Best of Margaret St. Clair, The.</i> Ed. Martin H. Greenberg.	coll-sf	1	1	Au=004	Wk=000
Stableford, Brian	<i>Walking Shadow, The.</i>	novel	1	1	Au=000	Wk=000
Stine, Hank [later as: Stine, Jean]	<i>Season of the Witch.</i>	novel	1	1	Au=001	Wk=000
Strugatsky Brothers [Arkady & Boris]	<i>Beetle on an Anthill.</i>	novel	1	1	Au=019; Au=019	Wk=000
Strugatsky Brothers [Arkady & Boris]	<i>Far Side of Paradise, The.</i>	novel	1	1	Au=019; Au=019	Wk=000
Strugatsky Brothers [Arkady & Boris]	<i>Prisoner of Power.</i>	novel	1	1	Au=019; Au=019	Wk=000
Strugatsky Brothers [Arkady & Boris]	<i>Roadside Picnic.</i>	novel	1	1	Au=019; Au=019	Wk=000
Sturgeon, Theodore	To Here and the Easel [novella].	sf	1	1	Au=048	Wk=000
Tenn, William [pso: Klass, Philip]	<i>Of Men and Monsters.</i>	novel	1	1	Au=008	Wk=000
Tepper, Sherri	<i>Grass.</i>	novel	1	1	Au=005	Wk=000
Thompson, Joyce	<i>Conscience Place.</i>	novel	1	1	Au=000	Wk=000
Turner, Frederick	<i>Genesis: An Epic Poem</i>	poetry	1	1	Au=000	Wk=000
Turner, George	<i>Brainchild.</i>	novel	1	1	Au=001	Wk=000
Turner, George	<i>Sea and Summer, The.</i> [aka: <i>Drowning Towers</i>].	novel	2	2	Au=001	Wk=000

Neglected Author	Neglected Work	Type of Work	# Nom'ns	# Nom'rs	# Refs By AU	# Refs By Work
Vollmann, William	<i>You Bright and Risen Angels</i>	novel	1	1	Au=000	Wk=000
Vonarburg, Elizabeth	<i>Silent City, The</i> [aka: <i>silence de la cité, La.</i>]	novel	1	1	Au=006	Wk=000
Vynnychenko, Volodymyr Kyrylowych [aka: Vinniczenko, V.]	<i>Sun Machine, The.</i> Ukrainian, ca. 1920-30.	novel	1	1	Au=000	Wk=000
Watson, Ian	<i>Mind Swap.</i>	novel	1	1	Au=003	Wk=000
Watson, Ian	<i>Miracle Visitors.</i>	novel	1	1	Au=003	Wk=000
Wettenhovi-Aspa, Sigurd	<i>DiamondKing of Sahara.</i>	novel	1	1	Au=000	Wk=000
White, David	<i>Captain "Space" Kingley</i> [aka: <i>'Space' Kingley and the Secret Squadron: 1954</i>].	novel	1	1	Au=000	Wk=000
Wooley, Sheb	<i>Flying Purple People Eater, The</i> [single].	music	1	1	Au=000	Wk=000
Zebrowski, George	<i>Macrolife.</i>	novel	1	1	Au=000	Wk=000
Zulavsky, A. [aka: Zuławski, Jerzy]	<i>Old Earth, The.</i> Polish. [aka: <i>Stara Ziemia.</i> 1910.]	novel	1	1	Au=000	Wk=000
Zulavsky, A. [aka: Zuławski, Jerzy]	<i>On the Silver Globe.</i> Polish. [aka: <i>Na Srebrnym Globie.</i> 1901.]	novel	1	1	Au=000	Wk=000
Zulavsky, A. [aka: Zuławski, Jerzy]	<i>Victor, The.</i> Polish. [aka: <i>Zwycięzca.</i> 1908.]	novel	1	1	Au=000	Wk=000
	<i>Talmud, The.</i>	rel wk	1	1		Wk=000

Note: For basis and abbreviations, see Notes at bottom of Table 7.4.3.4.c.

two by most frequently referenced authors, and another 20 titles with only two references to that title (11.2%) including nine by most frequently referenced authors.

Only five titles out of the 179 works on this list received neglected nominations from more than one respondent; Bernard Wolfe's novel *Limbo* (3 references in

Extrapolation) received three nominations, while two respondents each nominated Angela Carter's novel *Heroes and Villains* (1 reference) and Robert Sheckley's novel *Mindswap* (1), and, with no *Extrapolation* references, David R. Bunch's collection of linked stories *Moderan* and George Turner's novel *The Sea and Summer* (aka: *Drowning Towers*). At the other end of the neglected titles list, there were six titles (5 novels; 1 short fiction) with more than 10 references in the *Extrapolation* data, all of them written by members of the 118 most frequently referenced authors list. Possibly the most surprising title on the list was Frank Herbert's *Dune*, the first novel in the *Dune* series, with 43 references given to it by the *Extrapolation* scholar-authors alone, and who knows how many by those publishing in other F&SF scholarly sources. One is given to wonder what the nominating respondent saw as neglected or ignored in this work, although there was another respondent who nominated Herbert himself, with 98 total references given, as a neglected 'hard science author' among several others. *De gustibus non disputandum est* indeed.

Collaborative Works Nominated as Neglected: The third portion of Table 7.4.3.4.c. below is a short one devoted to thirteen mediated collaborative works. Each work was nominated once as having been neglected, and they are listed by the total number of references given by the articles in the *Extrapolation* data set. There are nine films on the list with six having no references given by the *Extrapolation* articles and one film each with one, three, and six references received. The other four titles are two television series with one reference received each, and another TV series and a film serial which received no references. These media items are, by *Extrapolation's*

Table 7.4.3.4.c.:
1993 SFS Unjustly Neglected Works Survey
Compared with 1959-2009 *Extrapolation* Article Data

Neglected Author	Neglected Work	Type of Work	Total # TI Nom'ns	Total # Nom'rs of TI	# Refs By AU	# Refs By Work
Collaborative Works Nominated [Arranged by References Received by the Work in <i>Extrapolation</i>]						
	<i>Things to Come.</i>	film	1	1		CWk=006
	<i>Tron.</i>	film	1	1		CWk=003
	<i>Day the Earth Caught Fire.</i>	film	1	1		CWk=001
	<i>Mystery Science Theatre 3000.</i>	tv series	1	1		CWk=001
	<i>Quatermass and the Pit.</i> BBC serial. Nigel Kneale.	tv serial	1	1		CWk=001
	<i>Deathwatch.</i>	film	1	1		CWk=000
	<i>Gunhed.</i> [movie, Japglish version, not the English dub]	film	1	1		CWk=000
	<i>Letters from a Dead Man.</i> Dir. K. Lukyanov.	film	1	1		CWk=000
	<i>Liquid Sky.</i> Dir. S. Tsukerman.	film	1	1		CWk=000
	<i>Man from Planet X, The.</i>	film	1	1		CWk=000
	<i>Mann and Machine.</i>	tv series	1	1		CWk=000
	<i>Phantom Empire.</i>	film serial	1	1		CWk=000
	<i>Stalker.</i> Dir. A. Tarkovsky.	film	1	1		CWk=000

Based upon part of: *Science Fiction Studies* Editors and 35 Respondents. "Unjustly Neglected Works of Science Fiction: A Survey." *Science Fiction Studies* 20.3.061 (November 1993): 422-432.

Note: **Total # AU Nom'ns** is the total number of nominations of the the author with or without a specific work; **Total # TI Nom'ns** is the total number of nominations for an author's specific work; **Total # Nom'rs of AU** or **Total # Nom'rs of TI** is the number of different nominators for neglectedness of this author or of specific titles.

Note: **# All Refs Rcvd By Author** is number of primary references received by author in the analyzed 937 Articles in *Extrapolation* (**Au=**); **# All Refs Rcvd By Work** is number of references received by this primary work in my data set (**Wk=**, **CWk=**).

Note: *Type of Work column:* **anth**=anthology; **comic**=comic book or graphc novel; **coll**=collection; **drama**=drama/play; **music**=musical work; **novel**=novels; **sf(s)**=short fiction(s); **tv**=television; **author**=neglected author, no specific work nominated.

evidence alone, probably neglected; this dissertator admits to having never heard of four of the films and one of the TV series.

Were these authors or works ignored? Are they neglected? The answers to these questions might depend upon two things, on the individual definitions used by the respondents to the survey of the terms 'ignored' or 'neglected', and on the representativeness of the *Extrapolation* data. Without contacting the respondents and asking or combing through their publications or archives for any discussions or hints, we shall probably never know their personal definitions of the terms. As for the representativeness of the present data, one would have to either extend the review of *Extrapolation* data for another decade (not in *this* dissertation) or conduct similar bibliometric reviews of other relevant F&SF scholarly journals and books (again, not in *this* dissertation). As suggested earlier, one could also consult the *Science Fiction & Fantasy Research Database* or the *MLA International Bibliography*, count the entries about each author or work, determine which of those entries could be considered scholarly, and use those counts as another gauge of studied versus ignored or neglected. If the *Extrapolation* data is considered representative, then, yes, at least some of the authors and works could be considered ignored or neglected, with the caveat that this status only applies to the articles as selected and published in *Extrapolation* through the end of 2009.

If one considers the 68 authors, 102 works, and 8 media titles with no references received in *Extrapolation's* articles and compares them with the totality of 394 nominations, then this 45.2% of the whole nominated slate was definitely ignored by the

scholar-authors of the articles and by the editors. If one expands the definition to include those with only one reference received, 55.6% (219/394) were ignored, and to two references then 65.7% (251/394) were as well. Thus, on the limited basis of references given in *Extrapolation*, most of the list were neglected or ignored at the time of nomination and through the end of 2009, keeping in mind, however, that *Extrapolation* is only one venue for the publication of F&SF scholarly work.

Did this survey make any difference? Without a broader based study, one could probably not make an evidence-based assertion one way or the other. But one could inquire of one of the survey originators what he thought. Arthur B. **Evans**, then as now, one of the editors of *Science Fiction Studies*, published a paper on “Authorities, Canons, and Scholarship: The Role of Academic Journals” (**2002**) which included a discussion of this 1993 survey. He noted that some would argue that “because of their ability to bring into the limelight certain authors or subjects through their publication of ‘special issues,’ scholarly sf journals tend to manipulate and ultimately predetermine who and/or what becomes part of the science fiction canon” (**94**). He observed that other considerations are involved, such as the availability or out-of-print status of certain texts, what is taught in courses, and the subject matter of what the journals would-be contributors send to the editors even when a journal may announce that they are soliciting manuscripts for a desired special issue. Because of these factors, and the previously mentioned “self-reinforcing list of Great SF Works” noted in the survey invitation, he says that “We at *SFS* naturally assumed that this information would be very useful, and that it would hopefully motivate potential contributors to devote some critical attention to these heretofore unsung sf writers and works” (**2002: 98**).

The editors of *SFS* were disappointed, like Tom “I know that the wish I am going to express will never be realized. But I can hope that a few people will listen” **Clareson (1983: 290)** before them, to receive few manuscripts on these authors “in spite of our clear indications that we were eager to publish such essays” **(Evans 2002: 98)**. Evans also noted that their special issue on “Science Fiction in Academe” in 1996 with its consolidated “widely assigned” lists of authors and works was an attempt to “provide some concrete data to help clarify which authors and works seemed to be part of the contemporary sf canon, . . . Much like our earlier efforts, however, this attempt to directly influence the academic sf canon appears to have failed” **(2002: 99)**. Evans held out hope that perhaps more time was needed to see if the ‘ignored’ or ‘neglected’ survey might have some influence since scholarship takes time, or that perhaps a future survey of courses and their assigned texts could be conducted and compared with the 1996 one, to see if the scholarly journals could have some influence on scholarship and teaching. Perhaps future bibliometric studies of other journals may provide some data on this issues.

7.5. Infinite Diversity in Infinite Combinations: Conclusion

Primary Authors? Primary Works? Canons? Texts Taught? Authors and Texts Neglected or Ignored? The third question and its sub-questions, regarding references given by *Extrapolation's* article contributors to primary works and their authors revealed more than fifteen thousand references given to more than sixty-seven hundred works by more than two thousand different authors, 167 anonymous or anonymously edited works, as well as more than eleven hundred collaborative works over a fifty year period. These references were divided into the formal (47.28%) references which would be captured by a traditional bibliometric study from the Works Cited and Notes sections of the 937 articles analyzed, and into the informal (52.7%) references from the occasional annotations or the much more numerous in-text mentions which might never be revealed in such a traditional study.

The references have been divided by various characteristics of the works and their authors. The scholar-critics favored referencing novels and short fictions while not ignoring the collaborative works particularly films and television programs. The authors of these creative works came from all over the globe, but were primarily writing in English and affiliated with the United States and the United Kingdom. While male creative authors (1,609 of them) dominated the references given overall, the female creatives (366) were referenced more and more frequently as the decades went by, particularly by their sister scholar-critics.

When it came to the question of whether a core of authors and/or works existed, the bibliometrician was able to assert in the affirmative that there was a defensible core of 118 frequently referenced creative authors, and a core of 182 frequently referenced

creative works. Whether a core constitutes a 'canon' or is merely a list of authors and works that lots of scholars, publishing articles in *Extrapolation*, wished to reference a great many times, may be of interest to many, to a few, or even none. Time shall tell.

One may compare these results with others who have attempted to define a canon for science fiction in 1961, or a list of those who have been reported as widely taught in North American universities and colleges in 1996, and even with a list of those that some writers or critics thought had not received their critical due by 1993. Only authors whose careers began before 1960 would have the opportunity to be proposed for canonization (1961), but more authors had the opportunity to be widely taught in North America (1996) or to be considered by another writer or a critic to have been critically ignored or neglected (1993); but it is the destiny of twelve individuals, all male and mostly Anglophone, to have appeared in all three of these categories: Alfred Bester, James Blish, Edgar Rice Burroughs, Karel Čapek, Arthur C. Clarke, Hal Clement, Philip K. Dick, Robert A. Heinlein, Aldous Huxley, Walter M. Miller, Jr., Theodore Sturgeon, and Jules Verne.

While none of their proposed-for-a-canon works was later nominated as having been neglected, several of their would-be canonized titles were still being taught 35 years later: *A Case of Conscience*, by Blish (1958), *A Princess of Mars*, by Burroughs (1917), *R.U.R.: Rossum's Universal Robots*, the play by Čapek (1922), *Childhood's End*, by Clarke (1953), *A Mission of Gravity*, by Clement (1953), *The Puppet Masters*, by Heinlein (1951), *Brave New World*, by Huxley (1932), *A Canticle for Leibowitz*, by Miller (1959), *More than Human*, by Sturgeon (1953), and *A Journey to the Center of the Earth* (1864), *A Trip Around the Moon* (1870), and *Twenty Thousand Leagues*

Under the Sea (1870), all by Verne. Another thirteen authors also had works proposed for the canon, and were still being taught, sometimes with the same work(s), without also having been considered as neglected or ignored, including one woman and one non-Anglophone: Isaac Asimov, Ray Bradbury, C. S. Lewis, H. P. Lovecraft, George Orwell, Edgar Allan Poe, Mary Shelley, Olaf Stapledon, Robert Louis Stevenson, Jonathan Swift, Mark Twain, H. G. Wells, and Evgeny Zamiatin. In the 'revision of the canon is changes in literary taste' line of thought ten of the authors on the proposed canon were considered ignored a third of a century later, but curiously there is a group of authors (or one of their works), twenty-two in all, who were considered ignored in 1993 by someone(s), but which were widely taught in 1996; the writers and critics who nominated authors or works as being ignored, may not have been teaching the classes surveyed just a few years later.

More comparisons and rankings could have been considered, but the preceding answers to the questions posed in Question C: Taproot Texts and Others: The Primary References: The Nature of the Primary (Creative) References Given by the Scholars in Articles in *Extrapolation* will have to suffice for now.

CHAPTER 8:
SO LONG, AND THANKS FOR ALL THE FISH:
COMPARISONS, CONCLUSIONS, AND FUTURE RESEARCH

8.1. *So Long Been Dreaming: Once Upon a Time . . .*

Once upon a time there was a young academic conference attendee who wished that he had heard a paper on science fiction. Then, hearing this wish spoken, a fairy godmother and her helpers made it so.

The conference goer, was he *really* young? We don't know.

Was he a *he* and not a *she*? Well, Tom Claeson says that he was a *he*, and Tom was there in the room hotel where it happened.

Was the wish fulfilled? And who was the fairy godmother? Yes, ultimately it was fulfilled, and more fully than the conference goer could probably have ever dreamed; but, it was a fairy godfather of the name of Scott Osborn, who did the (paper)work to fulfill the wish; and while the gender makeup of the helpers is not specified, they were *probably* (mostly? all?) male. And the papers? They were presented in December 1958 in New York City at a seminar entitled "The Significance of Science Fiction" (Claeson 1978a: n. pag.), at further seminars, and conferences, and in journals near and far.

Fairy tales don't always answer all the questions one might wish to pose of them.

8.2. *Fevre Dream: Comparisons and Conclusions*

The Journal: As has been narrated above in sections 2.2.6. and discussed at more length in section 5.1., the discussion leader at that first seminar, Professor Thomas D. Clareson (College of Wooster), thinking that “the seminar might have a better chance of continuing if it had a newsletter” took the initiative, created a first issue by composing a brief article on major trends in American science fiction, 1880-1915, added a bibliography, both based on his dissertation (1956), and introduced the whole with an editorial signed by Clareson and his co-editor, Edward Lauterbach (Purdue). They declared, somewhat ambitiously, that their creation, *Extrapolation*, was “intended to serve as the biannual newsletter of the MLA Conference on science-fiction” and further, that “[i]t is being prepared for distribution before the meeting at Chicago [December 1959] so that members of the Conference may both approve and/or modify its basic plan and select an editor and editorial committee to serve for at least the next several years” (**Clareson 1978a: n. pag.; Lauterbach and Clareson 1959: 1**).

Extrapolation, like the seminar, was a fulfillment of that wish for “a paper on science fiction”. Actually, it and its later scholarly publishing and conference compatriots have fulfilled the wish for many, many papers. After sixty years, the journal is still going strong, still providing a location for scholars, students, and others interested in science fiction (and fantasy), to find papers (and reviews) to read and as a venue to publish in. During the first fifty years of *Extrapolation*, under several editors, the focus of the journal, and the several editors wishes for it, did not vary a great deal. Clareson was open to “any and all critical approaches and methodologies—so long as they are well presented and well documented” and he was willing to “publish items by anyone,

whether in the academic profession or not, whether a holder of an advanced degree or not—so long as the writer says something which we believe will be of value to some portion of our audience” while serving “widest possible audience of those interested” and maintaining “a balance as to the kinds of articles published; that is, there must be critical, historical, and bibliographical items—just as there must be items dealing with the science fiction and fantasy of various periods and various countries” (**Clareson 1975: 99**); he reiterated this stance in **1987 (295)**. Clareson’s successor, Mack **Hassler**, stated that “Clareson created a solid and comfortable environment for the thoughtful studies about science fiction that have filled the pages of *Extrapolation*. I will be slow to change what Clareson began” (**1990a: 3**).

A quarter of a century further on, the editorial collective headed by Javier Martinez were more overt in identifying their own personal scholarly interests, as well as in expressing their wishes, not all that different from Clareson’s and Hassler’s, for what they wanted to publish in the journal. They were interested “in there being a critical conversation about the genre and the stories we tell about it. . . . [and filling] in the gaps with pieces on authors, films, comics, television programs and what notes that no one has written on” (**A. Butler 2007: 442**), in a “wide range of material. . . from the most traditional approaches to the most theoretical . . . multicultural topics . . . (**Levy 2007: 442-443**), and in “critical theory and the sorts of questions that theory can open up . . . in seeking connections between sf and other work not always considered as part of fantastic literature . . . [while] not wedded to certain theoretical approaches or certain authors” (**Vint 2007b: 443-444**). They, again like Clareson and Hassler before them, “want[ed] to see smart work that gives us something new to think about in our field. . . .

not attached to any particular period or country or author . . .” (**Vint 2007b: 443-444**), while at the same time warning that what would be “reject[ed], though, is bad writing . . . expect[ing] academics to use the language of theory whenever it’s appropriate, but to otherwise write in plain English” (**Levy 2007: 442-443**). Different critical approaches and methods. Open to all sorts of topics under the F&SF umbrella. Good, thought-provoking writing. By academics and others. It appears that from the first issue, with its editors’ hopes that it would assist with the continuance of the fledgling Seminar in SF, through to the 158th issue which completed its fiftieth year, *Extrapolation* fulfilled its first editorial promise that it would “provide a continuing and unifying publication” (**Lauterbach and Claerson 1959: 1**), and that the journal and its newest editors endeavor to continue fulfilling that promise.

As the fantastic genre itself thrives and evolves, the scholars, historians, bibliographers, and reviewers who study it do so as well. Whether in the pages of *Extrapolation* or in those of a growing list of F&SF scholarly companions, such as *Foundation* and *Science Fiction Studies*, the scholarship thrives and evolves as well, not only in these journals, but also in monographs and anthologies of scholarly essays, at conferences and workshops, in the classroom, and in theses and dissertations. It continues to thrive also in the fanzines, blogs, and other social media venues of the readers and viewers, the fans and aficionados, from whose ranks some of the scholars came, and probably will continue so to do. The editorial stability of the journal, assisted by the growing and evolving editorial board, and those who continue to contribute their scholarly labors, testify to the viability of the field and the continuing interest of scholars (academics and independents), students at varied levels, and readers of this

“oxymoronic fusion of the rational and the marvelous [which continues] to challenge received notions of reality – sometimes seriously, sometimes playfully”, even when it comes to “sectarian disputes among practicing Klingons” (**Csicery-Ronay 2005: 43**).

The Scholars: But a journal is not able to continue thriving and growing without the scholars. These scholars, academics or otherwise, who wish to publish their research in this journal and elsewhere, by writing (and referencing the journal and others), submitting, and revising at request, and then by reading the journal and others, by learning and maybe by teaching and recommending it, by being inspired by it and other scholars and publications, and then, finally, by again writing and referencing the journal, and regenerating the cycle. As is common in arts and humanities scholarship, the 786 scholars, sapients, sentients, and sophonts all, were primarily solo authors, who authored the 1,711 articles, bibliographies, editorials, letters, notes, primarily literature, or reviews with identified authors, of the total of 2,221 items published over the first fifty years.

In arts and humanities focused bibliometric studies, few bibliometricians appeared interested in many of the authorship characteristics of their document pools, so it was difficult to make comparisons between the *Extrapolation* data on scholars and other studies. Only **Slutz (1997: 10)** with his small collection of 16 English literature theses, and **Cullars (1998: 58-59)** with his 183 single-authored philosophy monographs studied the authors in their document pools and reported on their gender: 9 female thesis students of 16 (56.25%) for Slutz, contrasting sharply with the 27 female authors of 183 (14.75%) for Cullars. **Hérubel**'s study of an architectural history journal reported

little beyond “Actual numbers for female authorship are negligible” (1990b: 10) while failing to provide any details on numbers of authors in his document type categories, nor even on the overall gender numbers or proportions so that one might determine his definition of negligibility. For the seven *Extrapolation* document types for which author gender was determined there were 272 individuals identified as female (34.61%), 513 as male (65.27%), and one whose gender was undetermined (0.13%), certainly different from Slutz’s results though his was a very small group of authors, but certainly not at all the negligible found by Hérubel (perhaps an artifact of the subject matter of the journal studied?). These 786 individuals were responsible for 1,776 acts of author- or co-author-ship, with 425 by female authors (23.93%), 1,349 by males (75.96%), and two by the gender undetermined person (0.11%). Regarding only the 937 articles in the *Extrapolation* data set, 30.20% (283) of them were authored by women scholars, mostly solo, but with two of them authored by two different female pairs.

The longitudinal data provided in this study on the gender of the scholar-authors publishing in *Extrapolation* seeks to document a facet of the changing roles or status of women in the academy, that of their increasing participation in the scholarly endeavor. Later in the study the gender-related data further illustrates aspects of the changing nature of the gender of creators who are the subjects of these scholars. The changes noted are particularly important when the subjects studied, fantasy and science fiction literature and media, were earlier on commonly considered (erroneously) to be “just boy’s stories” or materials only enthusiastically consumed by men and only reluctantly, if at all, by their female friends and relatives who wished to ‘show an interest’ in something they were thought not otherwise to be attracted by.

Other authorship characteristics, such as the geographical distribution, institutional affiliations, the status, rank, or role, or the departmental or disciplinary affiliations of the authors of the source documents examined, likewise seem to be rarely scrutinized aspects of bibliometric studies, particularly those devoted to the humanities and arts, while this study reports on all of these factors in relation to the contributing scholars. In fact, most of those relatively few bibliometric studies of these factors complain that geographical, institutional, departmental, and/or status (as appropriate) are not always available for all of their source document authors. They sometimes specifically lament the lack of consistency in the provision of such basic data in the source documents, and sometimes they indicate how or even if such lacunae in their data were addressed in the course of their studies. This bibliometrician can only join in their complaints and laments, but also endeavored to address such lacks as well as she and the available information permitted her to do.

Of the Literature-focused studies, only **Budd (1985: 107-117)** gave any detailed information on types of institutional affiliation or rank in relation to the numbers and proportions of references given as categorized by the various aspects he studied, e.g., the primary or secondary nature of the references, age breakdowns of materials, subject dispersion, but he did not provide any detail on the specific number of institutions involved nor on their geographical locations. The **Hérubel** study of an reported 16% foreign based author affiliations in his documents, and 10% nonacademic affiliations, but few other authorship details (**1990b: 6-10**). Ranging outside the arts and humanities, **Furner** provides nicely detailed institutional breakdowns (**2009: 164-168**), as well as geographical ones (**169-171**), for the authors of the items he studied in the

first forty years of the British-based *Journal of Librarianship and Information Science* using information from the citation indexes.

This current study provide data on *Extrapolation* contributions both by institutional affiliations of the contributing scholars and by regional and country-specific breakdowns to the extent possible with the available data. The American-based authors of items in *Extrapolation*, like those in Hérubel's American and Furner's British journals, enjoyed a home-country geographical advantage with three-quarters of all the author-contributors being located in the US, or more than 85% if one recalculates by eliminating the geographically unlocated. Like **Budd**, this study categorized the types of institutions with which *Extrapolation's* source document scholar-authors were affiliated, dividing them by baccalaureate or higher level colleges or universities, community or junior colleges, non-tertiary educational institutions, and non-educational affiliations; these last two categories showing that while not large, there *were* non-academically-affiliated contributors welcomed into *Extrapolation*, just as Claerson had said they would be. As might be expected some institutions were home to scholars who made outsized contributions to the journal; the 256 institutions whose affiliated authors contributed but a single item could be contrasted with the 19 American and Canadian institutions with 613 contributions by 103 individuals.

While **Budd (1985: 114-118)** divided up the professors of his source document pool authors into full, Associate, and Assistant, he did not provide any further analysis of rank, role, or status of these authors as authors nor any indication of departmental or disciplinary affiliations. This study identified an academic rank, or other primary role, for the authors of all but 90 of the 1,776 author- and co-authorships, and provided a

categorization of these primary roles, and sometimes additional secondary roles within and outside the academy when that information was available. Not surprisingly, nearly three-quarters of the contributions were by persons with a higher education faculty rank or otherwise employed by academic institutions in academic support roles, as librarians, administrators, or other staff; with a tenth of the contributions by tertiary students, primarily doctoral-level, but also masters' students and other graduate students not otherwise ranked, and even six items by undergraduates, again reaffirming Claeson's "whether the holder of an advanced degree or not" statement. As might be expected English was the primary departmental or disciplinary affiliation of the most contributors, followed by other humanities departments, the social sciences, and various academic support services including libraries and administration; somewhat surprisingly only ten contributions were from scholars affiliated with scientific or technical fields.

While there are few bibliometric studies of award-winning contributors to the scholarly record beyond those who have won the Nobel or a few other highly esteemed scientific or social scientific awards, the opportunity to make a detailed study of award-winning scholars who contributed to *Extrapolation* was not to be missed. The journal by the end of its fiftieth year was affiliated with 109 of awardees of 19 of the 22 F&SF scholarly awards examined, who won these awards a combined total of 168 times through 2019. While the proportion of female awardees (22.94%) was, so far, less than the overall proportion of all female awardees on these awards lists (33.99%), this may be an artifact of the relative number of male versus female scholars in the pool of all scholars available for consideration for these awards, particularly in the earlier years of consideration for them. It was speculated that the rising generation of scholars may

eventually show more gender balance in the winning of awards since awards given to students and younger scholars show 52.43% of them going to women in the overall pool of awards and awardees.

Rarely considered in arts and humanities bibliometric studies is the number or nature of the contributing scholars in their source document pools nor if there are any frequent contributors to those pools, perhaps because only a sample of documents from a variety of journals or other sources was studied. This deficiency may be attributed to a dearth of studies either on single journals or on small numbers of journals in a specific field where it might be possible to attempt the identification of frequent scholar-contributors. In this study, there were 786 identifiable individuals contributing 1,776 authorships of 1,711 items in the seven publication types categories analyzed, including 56 co-authored items. The average of 2.26 items per author ranged from the 530 authors who contributed only one item each, up to the outsized contributions of Editors Hassler (121 items) and Claeson (181). Articles, the heart of most scholarly journals, ranged from the 496 articles (of 937) by those who contributed only one though they might have made other contributions, to two contributors who wrote 11 articles each. The 50 bibliographies were primarily solo contributions, but 10 were co-authored by pairs of contributors, while nearly all of the 440 reviews were by solo authors, with only three co-authored reviews. These patterns in the *Extrapolation* data support the traditional dictum of students of information behavior that humanists rarely co-author books, articles, or other scholarly productions as noted in the literature review.

The most prolific of the 786 contributors to *Extrapolation* during its first fifty years were 45 men and 10 women with five or more contributions to their credit for a total of

735 authorships (41.39% of all credited authorships), of which 45 items were co-authored. Interestingly, some of these individuals contributed only articles or only reviews, though there were others who contributed a number of different types of publications. Twenty-six of these 55 prolific contributors won 14 different F&SF scholarly awards a total of 43 times, including six of the women scholars who won 12 of the awards. At least seven of the most prolific scholars had long-term affiliations with *Extrapolation* ranging from 30 to 40 years as did two members of the Board of Editors who were involved for the whole 38.5 years of its existence during this fifty year period.

The Primary Authors and Works Referenced: To contribute one item or 181 items, the scholars needed to write. With the most common type of contribution to *Extrapolation* being the article, the core of the raison d'être for most scholarly journals, to write those articles they needed subjects. And with the subject, they needed to document what they were writing about, whether a novel or short story, a film, an episode of the television program, a chess set inspired by that television program, or an interactive environment based on that film. In most bibliometric studies based on journals or other scholarly publications, the bibliometrician deals with the references given by the contributors to other scholars or organizations creating the materials about the subject to which the journal(s) is(are) devoted; physicists reference other physicists writing in scholarly science journals and acknowledge information from various data-collecting instruments, archives, and organizations, while political scientists may reference other political scientists and their publications, but also sociologists, historians, polling organizations, newspapers, and government documents.

In the arts and humanities, however, the scholars reference not only other scholars writing about the same subjects, but also materials created by interviewers or reviewers, a variety of materials residing in public and private collections (all identified as *secondary works* by this dissertator and not analysed herein), and for the nucleus of their researches, the artistic and imaginary creations of humanity, what this study identified as *primary works*. Thus, a bibliometrician in the art and humanities may decide to divide the references that they are studying by whether the item referenced is considered a primary or a secondary source. The difficulty arises in how each bibliometrician defines these concepts. **Budd (1985: 67)** illustrated the conundrum with Henry James' book, *Hawthorne*, about the 19th century American writer Nathaniel Hawthorne; if a scholar is writing about Hawthorne, and references it as a piece of criticism James' *Hawthorne*, then the book is secondary reference per Budd, but if a scholar is examining James' criticism of which the book is an example, the book is considered a primary work along with other of James' critical pieces. In Budd's view, and that of others such as **Frost (1977, 1979)**, it is the *function* of the item being referenced within the referencing document that determines whether it is considered primary or secondary; this view requires the bibliometrician to read and to evaluate or infer the intent of the referencing document author in making use of a specific resource. **Stern (1983: 204)**, by contrast, says that "Primary material, as cited in scholarly articles on literature, can be divided into works of the authors who are the subject of the source article, and other primary works that are the creative products of other authors."

This study, and this bibliometrician, took a position closer to Stern's, and decided that it is the basic *nature* of the referenced item at its creation or publication that would

determine classification as a primary or a secondary work, not what she might think she deduced about the intent of the referencing scholar-author in acknowledging a particular item. If the referenced item being categorized was created as an artistic, literary, or otherwise *creative expression* of whomever brought it into being (writer, artist, film maker, composer, etc.), it would be deemed to be a primary work. If, however, the item referenced was considered to be an item *about* something (a non-artistic creation?), as for example, a scholarly, news, or magazine article, a book, a review, an interview, an email or a letter or a diary, or a documentary film, then that item would be classed as a secondary work. Thus, it was the *original intent* of the author of the referenced publication which counts in its classification.

Types of Primary Works and Some Aspects of Them: The acts of primary creation studied and referenced by the *Extrapolation* article authors could generally be categorized by the form of the creation (novel, film, etc.) studied, and by the means by which that created form was embodied and brought to the attention of the reading, listening, viewing, or researching sapients of Terra. The most commonly referenced creations were text-based with novels the most common form followed at a distance by shorter fictions. The mediated, or audio-visual, creations were mainly films and television based programs. The primary works references when identified as such in other studies were not divided by type of work, so there are no comparable figures for this attribute of the references given. Other bibliometric studies in the arts and humanities do not always make it easy to compare like to like.

The primary materials referenced were generally in published books, either as whole books or as anthologies and collections of shorter works, and a much smaller

proportion in various types of serial publication, with very few of the mediated items referenced as being a particular manifestation, such as an over-the-air broadcast or a DVD. **Stern** simply identified the 2,876 references devoted to her three authors as being books (82.7%), articles (15.1%), and other materials (2.2%) **(1983: 203)**.

Heinzkill's earlier study found 75% of the references were to books, 20% to journals, and 5% to other types of materials **(1980: 355)**, while his later study reported the not dissimilar 75.8%, 19.85%, and 4.4% for the same categories **(2007: 142)**. **Budd** reported 64.0% book form references, 26.7% serials, and the remainder "are unpublished items, including letters [unpublished] . . . manuscripts . . . dissertations . . . [and a] 'miscellaneous' category" **(1985: 57-59)**. If one removes the 'unspecified' publication source items from this study's data and recalculates the remaining 6,775 primary references with identifiable manifestation, one would find 82.69% of these references were published in book forms, 14.21% in serials, and 3.10% in all the remaining forms of identified media, online, unpublished, and other forms. These recalculated figures are closest to Stern's results, somewhat similar to Heinzkill's, and most at variance with Budd's.

The primary materials referenced in *Extrapolation's* articles were usually identified as being published in English, or in English translation, with fewer than 3% of primary works apparently referenced in another language. This proportion of non-English materials referenced was somewhat larger than **Budd's** 0.46% **(1985: 69)**, which is understandable since his document pool was devoted to English-language sources on the subject of American literature while the *Extrapolation* articles, while all written in English, were not all devoted to Anglophone literary or mediated topics.

Heinzkill reported that “9% of all items cited were not in English” (**1980: 361**) in his study of scholarly English literary journals, which dropped precipitously to 1.50% in his later study of English and American literary journals (**2007: 142, 148**).

Another category of data that is difficult to compare in bibliometric studies is that dealing with the dates, or ages, of the materials referenced. Some studies give the date ranges of referenced materials, e.g., 1950-1969, 1970-1979, but as each study starts at a different chronological point, it is difficult to make comparisons as these year ranges would be relatively recent in a study published in the early 1980s but not so in one published after the turn of the most recent millennium. Other studies give the age of the referenced materials relative to the date of the referencing document (e.g., 0-5 years old, more than 50 years old), which makes it easier to compare and contrast data from studies with differing chronological start points. One can also find studies which give the dates or ages of material at certain fixed points, as the most recent 10 or 25 percent of materials is 0-some years old or 0-some date prior to the date of the document pool. As an example, **Budd (1985: 100)** gave the relative age dispersion of his referenced materials as aged 0-5, 6-10, 11-15, 16-25, and 25-50 years, and aged 51 years and older. **Stern (1983: 205)**, on the other hand, summarized her age data separately for each of the three authors studied for materials 0-10 and 0-20 years old, and for half the materials referenced (50% or median). **Heinzkill's** more recent study (**2007: 143, 147**) reported that more than half of the books referenced by English literature journal articles were published within twenty years of the article publication date, while for American literature scholars more than 60% of the books were twenty years old or less. He reported the referenced journal dates based on the subject literary period of the articles,

for example, with 53.0% of journal articles devoted to the English literary period 1919-1945 being ten years old or less and for the subject period 1946-2002, 49.9%, while for articles on American literature, the newest ten years covered 40.2% of articles about 1919-1945, and 50.2% for articles about 1946-2002.

This study presents both date (year) and relative age data by *Extrapolation's* publication decades and over all fifty years, both for the formal and informal references and the total references, based on both the specific manifestation referenced when possible (on date of original publication or creation when the specific manifestation is not identified), and on the original publication or creation date regardless of specific manifestation referenced. The newest and oldest dates and youngest and oldest ages are specified, as are the date years or relative ages of the newest/youngest 10%, 25%, 50% (median), 75% and 90% of dated or datable materials, and the range of years. Using three different methods of date and age display allows one to see decadal changes in the age or dates of primary materials referenced, and thus some idea as to changes in scholarly interests as whether the publishing scholars of a particular period were focusing on newer subjects or more historical topics.

The primary materials used by these scholars could be (nearly) brand new when the scholar read and wrote about them, to some forty-one centuries old if the fantastic *Epic of Gilgamesh* was referenced. For a collection manager, these detailed displays provide a variety of data points to contemplate and discuss with subject specialists and instructional faculty, combined with local usage statistics, current and projected courses, and research agendas when deciding about materials retention on open stacks, in

compact or remote storage facilities, or even for deacquisition, though this latter is often anathema to the humanist save possibly in the face of a falling apart or crumbling item.

Primary Works Authors and the Scholars Who Referenced Them: Few of the bibliometric studies in the arts and humanities have considered either the gender of the scholars in their respective document pools, and only two were found which considered the gender of the referenced authors. This study has done both. **Slutz (1997: 12, 14)** stated that the references given by the thesis writers in his study were written by males 74.0% of the time, by females 22.9%, and 3.1% by gender undetermined individuals, His gender cross-tabulations for the thesis authors and the authors of their references noted that the seven male thesis students referenced 81.2% males, 14.6% females, and 4.2% gender undetermined authors, while the nine female students referenced 69.9% males, 27.7% females, and 2.4% gender undetermined persons, showing a distinct same-gender preference in referencing patterns which was probably influenced by their individual choices of thesis topics. While **Cullars (1998: 58)** in his study of 183 single-authored philosophy monographs reported that 14.8% of them were written by females, and that of the 539 citations studied 8.5% of them were authored by women, he did not provide any cross-tabulation of how many of the male or female authored references were given by the same or opposite gendered monograph authors, so one can not tell if women or men referenced their respective genders at different rates.

As reported here, in the articles male creative authors were referenced 4.72 times for every one reference to a female creator (69.04% vs. 14.62%) regardless of the gender of the scholar(s). The most striking difference found is the proportion of female creatives referenced by the female scholars (31.05%) when compared with the female

creatives referenced by the male only authored articles (8.61%). The proportion of female authored primary works referenced rises in each of *Extrapolation's* five decades with both gendered sets of scholars, but it is particularly noticeable with the female scholars rising from 5.65% of females referenced in the first decade to 37.15% in the fifth, while the rise is much slower and lower overall with the male scholars (first decade: 2.97%; fifth decade: 13.31%). This might be contrasted with the much less striking difference in proportion of scholars' references to the collective works (films, tv programs, etc.) where female scholars referenced them 12.09% of the time, and male scholars only somewhat more frequently at 14.47% of the time. This pattern of same-gender preferential referencing was noted outside the arts and humanities by **Marianne Ferber** in her two studies (**1986: 383, 384; 1988: 84**) of labor economics publications and in the areas of developmental psychology, sociology, financial economics, and mathematics, as well as by **Malin Håkanson (2005)** in her longitudinal study of the gender of referencing authors in three core library and information science journals and the gender of those they referenced from 1980-2000 which revealed that not only did the proportion of women referenced rise over this period, but that this rise was much higher in publications written by females than in those by males as was the case with this study. While the interests of female scholars in female creatives in the *Extrapolation* data was not unexpected, it is important to document the changes decade-by-decade, and also note that the male scholars, too, evinced somewhat more interest in female creatives over time, even if it was definitely at a lower level.

The Most Frequently Referenced Authors and Works: Of the 2,035 identifiable men, women, gender unknowns, named groups, and pseudonymous authors, only a

small proportion (5.85%) were given references by the scholars at such a rate that they could be identified as the most frequently referenced primary authors; these were the 118 creators who accumulated between 20 and 563 references to their primary creative works. Headed by Ursula K. Le Guin (563 references) and Robert A. Heinlein (519), these 98 males, 19 females, and one pseudonymous gender unidentified individual were primarily affiliated with the United States or Great Britain, and, while most wrote their works in English, twelve of them wrote in other languages. These 118 individuals were referenced 7,732 times with 2,819 different primary works.

There were 167 anonymous works (e.g., *Beowulf*) referenced 224 times, and 1,153 individual collaborative primary works which received a total of 2,582 references. As the collaborative works were so diverse, they were divided into fourteen individual categories, then placed in one of three major groups (mediated, religious, other). Only one anonymous title and 28 collaborative titles received 10 or more references to join the most frequently referenced works list, with the collective references for *Star Trek: The Original Series* (191 references) and *Star Trek: The Next Generation* (106) at the top of this short list.

Most Frequently Referenced Primary Works and Their Frequently Referenced Publication Venues: The list of 182 titles of individual works with 10 or more references was dominated by novels (60.44%), trailed by the collective group of collaborative works at 15.38% and various combinations of short fictions at 13.74%. Ten women with 28 works shared this list with 69 men (125 works), an anonymous work (*Beowulf*), and 28 collaborative works, including seven religious or spiritual works. While Le Guin (17 works) and Heinlein (15) dominate this consolidated list of 182 primary titles, due to the

outsized proportion of references they and their works received (563 and 519 respectively), because the references they received were spread over so many different works, they are not represented among the top five titles. The two *Star Trek* series were followed by novels by Orwell (*Nineteen Eighty-Four*; 77 references), Wells (*The Time Machine*; 73), and Shelley (*Frankenstein*; 71). The first work by Le Guin on the list was *The Left Hand of Darkness* in the seventh position (964 references), while Heinlein's highest ranking work, *Stranger in a Strange Land*, shared 15th position with Wells' *The Sleeper Wakes* (also known as: *When the Sleeper Wakes*), both with 37 references.

Fiction-oriented magazines played an important role in the development and distribution of modern fantasy and science fiction literature in the 20th century, both by publishing original stories and, sometimes, by reprinting them or earlier works. Their oftentimes gaudy covers attracted readers perusing the contents on display in city newsstands, in bus depots, and in drugstores. The post-world War II paperback revolution joined in spreading the word with anthologies of fiction taken from those magazines, as well as novels new and reprinted and collections of short fiction by favorite authors. While the paperbacks, like the magazines, did not often find their way into libraries in the early years, the early hardcover anthologies often did. Only 32 of 215 serial titles accrued a minimum of five references, including 17 of the 56 F&SF magazine titles on the list, 6 of 53 comic books, and 9 of the 93 other non-F&SF, non-comics, magazines and journals, and none of the 13 newspaper titles. Anthologies were probably easier to find, either in scholars' personal collections, or in their local public libraries and even their college or university library collections, and some of the anthologies have been kept in print for various lengths of time via paperback publishers,

thus there were 337 anthology titles (mostly F&SF related) which were referenced 809 times, though half of these anthologies were referenced but once.

Canon? Widely Assigned? Neglected or Ignored?: Of the Literature-focused bibliometric studies only two identify primary works by title and author, and for differing purposes. **Budd (1985: 139-141)** listed the 16 most frequently referenced primary works (5-10 references) as defined by his function-of-the-reference definition, not all of which would have been so classified in the current study. In her ingeniously conceived study, **Carolina Ferrer (2013)** data mined the *MLA International Bibliography* and retrieved over 25,000 entries on Canadian literature; her purpose was to use a less subjective method to propose a potential 'canon' of Canadian literature by determining which authors and works were most often cited as the subjects of these items. She used a minimum of 10 references to determine her list of 295 writers and 151 titles, and provided separate lists of the top 20 authors evenly divided between Anglophone and Francophone writers, and of the top 20 referenced primary works, published originally between 1916 and 2000, of which only four were in French.

In the current study, to provide some context or perspective about these variously analyzed fifteen thousand primary references found in the 937 articles published by *Extrapolation* in its first five decades, the results were compared with three scholarly F&SF lists: a proposal of a canon of works (**Hillegas 1961**), a list of widely assigned authors, works, anthologies and films based on a survey of North American based SF courses (**Evans and Mullen 1996**), and a survey of writers and critics on authors and works whom they believed to have been ignored or neglected by SF critics and scholars (**Science Fiction Studies Editors 1993**). The canon list had 112 texts

proposed for discussion at that year's MLA Seminar on SF. While 20 of these works did not receive a single reference in any of the articles studied which might indicate that while they might have some historical value, the scholars publishing in *Extrapolation* were not then, nor later, interested in examining them, there were, on the other hand 38 titles to be found on the list of 182 most frequently referenced works, thus demonstrating that at least some of the proposed as canonical works would retain scholars' interest over a long period. Whether one considers this sustained interest to be evidence of canonicity, or just part of the evolution of literary taste is for the individual scholar or literary historian to decide.

The literary and media works which scholar-teachers assign to students in their F&SF classes can also be considered as potential nominees for a list of important, or at least interesting, works in the genre, whether or not one agrees with the concept of a canon, fixed or changing. The Evans-Mullen survey provided a broad-based listing of authors and works which were assigned to students in courses in the mid-1990s. All of the 56 widely assigned authors were referenced in *Extrapolation's* articles between 3 and 563 times, and 45 of them so frequently that they were among the 118 most frequently referenced authors. The list of 105 widely assigned books by 71 authors were all referenced in *Extrapolation* articles, between 1 and 77 times, while the short list of nine widely assigned anthologies was startling only because four of them did not receive any references in *Extrapolation* either for the anthology as a whole nor as the publication sources for any referenced works. All but one of the thirty widely assigned films (and film series/media franchises) had been discussed in *Extrapolation*, sometimes frequently. That all of the widely assigned authors and most of the widely

assigned works had been discussed in *Extrapolation* possibly indicates the close interaction between the roles of scholar and teacher in the professional lives of so many of the scholars who published in *Extrapolation*, and probably in the lives of those who published and will continue to publish in this and other F&SF scholarly venues; future research and more teaching surveys may help us to establish if these connections hold.

In the humanist district of scholarship, where Garfield noted “shifts of interest in the humanities are one of the scholarship’s most characteristic features” (1980b: 42) there are probably more than a few journal editors, book publishers, and conference planners who roll their eyes and mutter whatever the current version is of “ye gods and little fishes!” when they receive *yet another* article manuscript, or book or conference panel proposal on subjects A, B, and/or C or on creators X, Y, and Z. No matter how well written or conceived the manuscript or proposal might be, the recipients of the manuscripts and proposals are likely to yearn for something new, something a little different, on subjects and creators that they have not seen dozens if not hundreds of times before. *Extrapolation’s* long time editor Tom Clareson and the more recent editorial collective expressed such wishes for new or different, as have other F&SF scholarly gatekeepers; and one such group attempted to do something about the issue by surveying writers and critics about those authors and works which the writers and critics considered to have been ignored by SF critics and scholars, not that the results of their survey ultimately had much more impact on potential contributions than the other published editorial moans, groans, and general complaints.

The editors of *Extrapolation’s* friendly rival *Science Fiction Studies* published the results of their survey in 1993 and one of the editors, **Evans (2002)** later commented

upon its the apparent lack of impact. Fifty of the authors or group-based creators (primarily musicians and music groups) nominated as neglected or ignored in general or for specific works were on the *Extrapolation* list of 118 most frequently referenced authors having garnered 20 or more references causing the present bibliometrician to join Evans in shaking her head. There were 77 nominated titles which also had received attention in the journal though not always at a particularly high level. The 102 nominated textual titles and eight of thirteen collaborative titles which received no references at all from *Extrapolation's* article authors, were indeed ignored or neglected at least in the pages of this journal, though further (future) research would be needed to determine if they were ignored elsewhere then or later in the F&SF scholar-verse.

So, a canon, the canon, or just frequently studied and referenced? Or, widely assigned in North American classrooms and frequently referenced, or possibly not? Neglected, ignored, or wildly popular with *Extrapolation's* scholar-contributors? The would-be canon-makers, syllabus-writing teachers, and editors asking for something different demonstrate too in their varied ways, some of the things that the data extracted from the writings of *Extrapolation's* scholars also shows us. Librarians and archivists building and managing collections are likely to be interested in the results of this extended survey of one of prominent journals in the fantasy and science fiction scholarly field; perhaps they will even take some of the information into consideration in their evidence-based practices in regard to this particular small slice of humanity's cultural creations. Scholars may be interested in what other scholars have been reading and teaching and researching, and editors may try to steer the spaceship of scholarship, and this data (or Data?) may satisfy some of their curiosity.

8.3. A Dream within a Dream: Are We Counting What Counts?

During the final oral defense of this dissertation the question arose of “Are we counting what counts?” in bibliometric studies like this one, which led to the addition of this section to the revision of the concluding chapter.

In the defense discussion of the references and their division into Formal (from Works Cited and Notes) and Informal (from Annotations and In-Text) references, the point was made that in the 937 articles in *Extrapolation's* first fifty years of publication, there were 20,501 formal references (51.57%) by my definitions, and 19,254 informal (48.43%) references given of all types. Another point made was the decision to categorize references by their type including the 15,071 primary (creative) references (37.91% of 39,755) of which 7,130 were given in formal locations (47.31%), and 7,941 informal (52.69%), which were the subject of many analyses (Chapter 7). A third point made was the startling number of primary references for which the referenced mode of publication (broadly conceived) could not be determined; these were not only 6,779 of the informally referenced items where one would not normally expect to find complete bibliographic details, but included 1,517 formally referenced items (21.28% of the 7,130 formal primary references) where one would expect to find the recommended style manual details of the items the scholars used and were referencing. This lack of detail was particularly noticeable with references to mediated creative works, such as films or tv programs, where one might expect an indication that the scholar viewed an on-air broadcast perhaps also captured by a home recording system, a theatrical release, or a commercially available recording, but such lack of detail was not unknown when the item referenced was probably absorbed by the scholar via a text-based medium.

Questions were then asked about: Why was the data, formal and informal, divided so starkly, nearly 50-50, whether it was all the article data captured or just the primary works data? Were my informal references Garfield's implicit ones? Is there something different about the arts and humanities that needs to be considered when doing bibliometric or citation analysis studies? When we conduct bibliometric studies in the arts and humanities, are we missing something if we use only the citation indexes as the basis for our studies? In other words, . . .

Are we counting what counts?

Are the arts and humanities different? From my humanist-trained perspective, it seems that students of the three major divisions of scholarship have different, though sometimes overlapping, perspectives on their respective subjects and how those subjects are to be studied and reported upon. The natural and life scientists and their technological compatriots study the world and the universe as it is, what is it made of, how the parts work, how the parts fit together, how the parts work interactively (if they do), and so forth. The scientist (or engineer) builds on older discoveries, solves the current question or problem and moves on to the next one, and revisits the old question only when something or someone presents evidence that casts doubts upon what had apparently been a settled answer. The social scientists turn their gazes upon their companions in the human race, collectively or in defined large or small groups thereof, and study their actions and interactions and reactions, whether sociological, psychological, anthropological, political, and so forth. The social scientists revisit problems or situations to build up an archive of understanding, particularly when factors

or situations and the humans involved in them are seen to differ (or are discovered to differ) or seem to respond in a different manner, even just by a bit. The humanists (broadly defined, including those in the arts) study those things created by their companions in the human race, things created by a creator either for the creator's own private and personal purposes or for a larger audience. What was created, how was it created, why was it created, how it might be related to other things its creator created or to things created by others, what factors in the life or environment of the creator had an impact upon the creation, what does it mean, how do others react to it, if the creation is looked at it through a different lens is the answer different? In the humanist's view, the creations are endlessly fascinating and each humanist who studies the particular creation comes to it with a background or life experience different from other humanists, hence their differing perspectives, their differing responses or answers to the questions.

Some human creations may never be studied, some may be studied once by a single scholar, and some of them may be studied over and over again by many scholars at different times and places. Those who study a particular creation may come to similar or to wildly different answers even to the same questions asked about that creation. Once the basic molecular structure of water was definitively determined to be two hydrogen atoms and one of oxygen (H_2O), did many more chemists study this structure and attempted to publish on it, or did the chemists say this particular problem is solved and move on to study other chemical substances or to study water and how it would react or interact in certain very carefully specified conditions? The social scientists don't generally have the scientists 'question answered, let's move on' ability since resourceful humans are not chemicals or natural processes, and may not always

act and react in the same way; this is because both the individual humans and the situational conditions studied may differ in some slight, but significant, way, although there may be some broad trends or tendencies discovered that explain most human reactions to a particular type of situation most of the time.

Are the arts and humanities different? Probably, because humans in their various cultures seem driven to create, thus are likely to continue to produce new creative works in myriad forms ancient, modern, and as yet to be developed, as long as there are humans and the heat death of the universe has not yet occurred. Will humans continue to study (some) of these creations? In all likelihood they shall study them as long as there are curious and interested scholars whether or not there are places to circulate the fruits of their scholarship. How many scholars have studied the works of Shakespeare or the *Mona Lisa* in the last several hundred years, and how many more will do so in the future (and they *will* do so)? Is it the mutability of responses to these cultural creations and our inability to determine a definitive response to some question about particular creations that drives humanists to study and to restudy them? Is it that some of these creations have been studied so much by so many that ‘everyone’ knows about them and may even have an opinion on some of them, but when some scholar comes up with yet another theory or technique or question or a different answer to an old question, the discussion is reopened, renewed, and continues ever on? **Garfield’s** remark in the context of information retrieval that in the arts and humanities an “inheritance may always be reevaluated” (1980b: 42) seems pertinent here.

Is there something different about the arts and humanities that needs to be considered when doing bibliometric or citation analysis studies? Before considering whether there is a difference, and if so, what difference(s), in bibliometric studies of the various arts and humanities subject areas as compared with those which focus on scientific, technical, or social sciences disciplines, it might be fruitful to look at how traditional bibliometric, or citation analysis, studies are conducted.

Before starting a study, one needs a purpose for the study beyond the drive for tenure. Do you want to understand some particular scholarly subject area? Or a group of scholars, or organizations, or creators? Maybe it's a particular type of publication or other source of information that attracts your attention? The purpose will drive the questions one wishes to answer, as in Chapters 5, 6, and 7. The purpose, in turn, will help in the identification of the types of data that might answer some of the questions, or *what counts*. Then one needs to identify what sources might be able to provide the necessary data, and which sources may be relied upon to provide reliable data for analysis, again, *what counts*. One captures and categorized that which one has decided *counts*, and, data problems resolved (not always easily), proceeds to analysis. Once analyzed, do the results answer the questions asked, and, if so, do the answers 'make sense', and if not why not? Are there still questions left unanswered or do new questions arise that might be answered by reanalyzing the data in a different way or is further data needed?

Purpose. Questions. Data. Data Source(s). Data Capture. Data Analysis.
Question(s) answered? Circle back to previous step? Revise previous step(s)?
Question(s) answered? Repeat as necessary.

Is there something different about the arts and humanities that needs to be considered when doing bibliometric or citation analysis studies? While there are a variety of types of bibliometric and citation analysis studies that may be undertaken, this current study was an analysis of a scholarly journal, a common enough type of bibliometric study. Was there something different about this study when compared with the myriad other bibliometric studies, even just those focused on a journal, that have been published? If so, was the difference due to the humanistic nature of the documents studied?

The purpose of the study as expressed in Chapter 1 was both a curiosity need and a practical one to fill in “a few of [the] gaps in our knowledge of the development of the subject and of subject and other information needs and uses of the F&SF scholarly community so as to better inform the librarians, archivists, and curators who may wish to evaluate their collections or expand their services for this community.” This goal was to be attained by “describ[ing] longitudinally a segment of the F&SF academic scholarly community, and the historical development of the discussion and use of primary (creative) materials as used by some of its scholars through a detailed bibliometric examination of the contents of one of the major scholarly journals devoted to Fantasy and Science Fiction Studies, *Extrapolation*”, particularly for the purpose of providing evidence for informed decision making in the area of collection development and management in libraries and archives. The focus on references given to primary works was different than other citation analyses devoted to the sciences and social sciences as those areas do not usually have the division between primary and secondary works referenced that one can make when dealing with scholarship in the arts and humanities.

My perspective on the purpose of the study was that of an experienced academic librarian and of a reader and viewer of science fiction and fantasy creative works and some of the scholarship in the area. As noted in Chapter 4, the research questions were developed, including some which needed to be put aside for later, and decisions made about what data was needed to answer the current and future questions. A decision needed to be made about sourcing the data, would I use the *Web of Science* (WoS) citation databases as the source for my data, and if so, would it be adequate and reliable for the analyses I wanted to conduct to attempt to answer the questions and their respective sub-questions, or, alternatively, should I capture the necessary data directly from the journal? I was somewhat familiar with the *Web of Science* and its respective parts devoted to the sciences, the social sciences, and the arts and humanities, both from using the print versions of these citation indexes, and through conducting searches and teaching individual students to conduct searches in them via the Thomson Reuters *Web of Knowledge* platform, and more recently, in a throwback to my earliest days of online searching (1976+), via the Dialog system thanks to a class on bibliometrics during my doctoral coursework.

Reviewing the results of some of the papers researched and written during that course, I realized that there would be a problem if I were to rely on WoS. I wanted to conduct a longitudinal study over the course of *Extrapolation's* first fifty years to paint the best description I could starting in the earliest days of sustained academic attention to fantasy and science fiction, so I realized that while I could use WoS which included *Extrapolation* in the *Arts & Humanities Citation Index* starting in the mid-1970's, the journal itself started publishing a decade and a half earlier in December 1959.

I also realized that were I to rely on the cited reference data *A&HCI* provided it would make my job of analysis more difficult since some of the elements I wanted to analyze were missing, such as full first name of cited authors (to help in determining gender), or the ability easily to determine what type of item was referenced (e.g., article, novel, short fiction, film). Even were I to download the source and cited reference data from *WoS* and import it into by Excel worksheets, I would need to do much data massaging and tagging to get it into appropriate shape for analysis by looking at the original references in the journal, and I would still need to create from scratch data for the earlier volumes. These are problems for many who study scholarly journals longitudinally or otherwise in the arts and humanities. As I had sometimes been intrigued by the more casual (informal) references to other works (primary and secondary) in the F&SF scholarship I read which was not identified in the Works Cited lists, I knew from reading about the creation and production of the citation indexes that the *WoS* was unlikely to capture many, if any, of those otherwise interesting references which had had an impact on my own reading and understanding of the subject, and placed on my To Be Read Mountain, and which I wished also to analyze.

Since I own a complete run of the *Extrapolation*, even if the first decade was a reprint, I decided to capture all of my data by hand, just as had those pioneering bibliometricians and citation analysts in the days before online databases existed. Had I decided to study or to include a type or types of source document(s) other than a scholarly journal, such as books proceedings, or critical anthologies, I would have been in this same situation since these non-journal potential source documents are not normally included in the commercial citation indexes. And, as I later (now) discovered,

there were even more potential problems with using the WoS as a basis than I had initially thought.

Related to the formal and informal references and the issue of primary versus secondary works references, we need to return to one of the original questions in this section which came up in the final oral defense: *Are we counting what counts?* And, when counting whatever it is that we think we should count, *when we conduct bibliometric studies in the arts and humanities are we missing something if we use only the citation indexes as the basis for our studies?*

What *counts*? What *counts*, or *should* count, may be answered by the study's purpose and the problem of *what information (data) is likely answer the questions asked* prompted by the purpose. In the current study, some of the usual items studied by citation analysts looking at journals would include the types of documents in the journal(s), what materials were referenced, what were some of the characteristics of those referenced materials (e.g., age, language, type), perhaps the characteristics of the individuals who authored the documents (the source documents particularly, maybe the referenced documents), and so forth. Thus, the characteristics captured and analyzed are those that the researcher expects will answer the questions asked and are the things that are *counted*, and that should *count* for the stated purpose. Whether everything relevant (*what counts*) that might answer the questions is being captured and whether it is *counted* is perhaps something to be asked of each study and each researcher. One might also ask if the sources of the data are capable of providing the information needed to accurately and adequately count and answer the questions.

One issue that arose in this study was that of the informal, annotative or in-text references which were not identified via the formal Works Cited lists nor in the Notes. In section 7.1.2. above in discussing **Garfield's** concept of the *implicit citation* (“[w]hen a work is mentioned in an article but not explicitly cited” **1980b: 47**), I suggested that because I had captured *all* references to primary authors and works, and not just those found in the formal locations, that this was the reason the data showed the formal references to be somewhat less than half of all the primary (creative) references and that the remaining references, more than half, were those informal ones given by the scholars which I had found so intriguing during my reading of the scholarship and which could might be considered to be of an *implicit* nature. When the ISI indexers added implicit references they constituted only some 15% of the references in the *A&HCI* year Garfield cited in his example. I speculated that one would need to “compare a sample of *A&HCI* entries with the original articles in *Extrapolation* . . . to determine which . . . items comprised any implicit citations added to *A&HCI* and thus gain an idea of the *A&HCI* basis for implicitness” and proceeded to assert “but *not* in this dissertation”.

Crow, meet fork. Sort of.

Rather than delaying the submission of this dissertation any longer than necessary by comparing decades of my *Extrapolation* data with that given in the cited works section of each *Extrapolation* entry in the *Web of Science*, I decided to return to my data and to conduct a mini-experiment focusing on the primary authors and works data as in Chapter 7, but to make the comparison only with those from articles in the most recent issue studied, Fall 2009 (50.3), particularly for implicit references or any

problems. My data for these seven articles showed 496 references, 280 formal and 216 informal, of which 117 were primary (creative) references, with 63 located in the Works Cited lists, 13 in Notes constituting the formal references, and for the informal references 41 In-Text references, with none in the Annotations location (see caveat following). The *WoS* generally lists films with the director's name as the cited reference author, and television series (apparently) with the name of the show creator (usually also the show-runner), while my data captured films and tv shows by their titles (usually from the Works Cited lists) while the director or show creator names, when given, were categorized as 'mentions' in the informal Annotations location which happened with 18 film and tv titles in this small subset of my primary works data.

And the results of this small test?

Mixed, with allowances for the differences in how I captured data and how *WoS* indexes the cited references, and with problems in how to count each set when the *WoS* data presented some problems and anomalies. To explain some of the issues with comparing my results with the Web of Science entries, the difficulties with the *WoS* cited reference data must first be addressed since they had an impact on how I can say whether my data matched what was included in *WoS*, whether *WoS* indexers added any implicit references from this small set of articles, and finally whether one might confidently use the citation indexes as a basis for a citation analysis study and not go to the sometimes considerable trouble of examining the basis documents directly. All the examples below in Table 8.3.a. show entries from *Extrapolation* article Works Cited sections (some for primary and some for secondary references), then show what was presented in the cited reference section in the corresponding *WoS* entries.

Table 8.3.a.:
Problems in *Web of Science* Entries
Compared with Original Works Cited Entries in *Extrapolation*

A. Author Name problems in WoS:

1. Double surname, different treatment, same surname, same Works Cited	
Ext:	Bioy Casares, Adolfo. <i>The Invention of Morel and Other Stories</i> . Trans. Ruth LC Simms. Texas Pan American Series. Austin: University of Texas Press, 1964. Print.
WoS:	CASARES AB, 1964, INVENTION MOREL OTHE
Ext:	Bioy Casares, Adolfo. <i>La Invención de Morel</i> . 1940. <i>Colección Lyc (Leer Y Crear)</i> . Ed. Herminia Petruzzi. Buenos Aires: Ediciones Colihue, 1969. Print.
WoS:	Bioy Casares A., 1940, INVENCION MOREL
2. First name used as entry, rather than surname; successive entries on same Works Cited	
Ext:	Slotkin, Richard. <i>Regeneration Through Violence</i> . Norman, OK: U of Oklahoma P, 1973. Print.
Ext:	_____. <i>Gunfighter Nation</i> . Norman, OK: U of Oklahoma P, 1992. Print.
WoS:	RICHARD S, 1992, GUNFIGHER NATION
WoS:	Richard Slotkin, 1973, REGENERATION VIOLENC
3. Use of anthology editor name as author entry rather than name of author of actual item in Works Cited entry	
Ext:	Bioy Casares, Adolfo. "Prólogo Y Posdata." <i>Antología De La Literatura Fantástica</i> . Ed. Jorge Luis Borges, Silvina Ocampo, Adolfo Bioy Casares. 2nd edn. 1940. Buenos Aires: Editorial Sudamericana, 1965. 7-17. Print. [Note: In Works Cited, as second item by this author, there is actually a line indicating that the name is above in another/previous entry per style manual requirements.]
WoS:	Borges Jorge Luis, 1965, ANTOLOGIA LIT FANTAS, P7 [Note: There is no Works Cited entry under Borges for anything in the Antología.]
4. Lack of author name (director), even when given in Works Cited, contrary to usual WoS entry policy:	
Ext:	Star Wars: Episode IV—A New Hope. Dir. George Lucas. Perf. Harrison Ford, Carrie Fisher, Mark Hamill. Twentieth Century Fox, 1977. Film.
WoS:	[Anonymous], 1977, STAR WARS EPISODE 4

**Table 8.3.a. (continued):
Problems in *Web of Science* Entries
Compared with Original Works Cited Entries in *Extrapolation***

B. Title problems in *WoS*:

1. Subtitle identified, not main title	
<i>Ext:</i>	Whedon, Joss. <i>Serenity: The Official Visual Companion</i> . London: Titan Books, 2005. Print. [Note: <i>Serenity</i> is title of a film; style manual dictates no italics even though rest of titles is italicized; other similar entries suffered same problem.]
<i>WoS:</i>	WHEDON J, 2005, OFFICIAL VISUAL COMP
2. Subtitle identified, not main title; yet other <i>WoS</i> entries used the main title of the anthology with citations to articles in the same anthology in the same Works Cited	
<i>Ext:</i>	Gordon, Andrew. "The Power of the Force: Sex in the Star Wars Trilogy" in <i>Eros in the Mind's Eye: Sexuality and the Fantastic in Art and Film</i> . Ed. Donald Palumbo. Westport, CT: Greenwood P, 1983. 181-92.
<i>Ext:</i>	Holte, Jim. "Puritans in Space: Puritan Ideology and the American Science Fiction Film" in <i>Eros in the Mind's Eye: Sexuality and the Fantastic in Art and Film</i> . Ed. Donald Palumbo. Westport, CT: Greenwood P, 1983. 181-92. [Note: The same pagination is an <i>Extrapolation</i> problem not <i>WoS</i> ; Gordon pagination was actually 193-207.]
<i>WoS:</i>	GORDON A, 1986, SEXUALITY FANTASTIC, P181 [Note: Incorrect]
<i>WoS:</i>	HOLTE J, 1986, EROS MINDS EYE SEXUA, P181 [Note: Correct]
3. Double entry for tv program, and the exclusion of fully referenced episodes	
<i>Ext:</i>	<i>Firefly</i> . Prod. Joss Whedon, Tim Minear. Perf. Nation Fillion, Gina Torres, Alan Tudyk. Fox Television. 2002. Television.
<i>Ext:</i>	"Ariel." <i>Firefly</i> . Prod. Joss Whedon, Tim Minear. Writ. Jose Molina. Perf. Nation Fillion, Gina Torres, Alan Tudyk. Fox Television. 15 Nov. 2002. Television. [Not in <i>WoS</i>]
<i>Ext:</i>	[Note: 12 other alphabetically listed episodes from 20 September 2002 through 19 August 2003 omitted from this example]
<i>Ext:</i>	"War Stories." <i>Firefly</i> . Prod. Joss Whedon, Tim Minear. Writ. Cheryl Cain. Perf. Nation Fillion, Gina Torres, Alan Tudyk. Fox Television. 6 Dec. 2002. Television. [Not in <i>WoS</i>]
<i>WoS:</i>	Whedon Joss, 2002, FIREFLY [Note: Different name treatment.]
<i>WoS:</i>	WHEDON J, 2003, FIREFLY

Table 8.3.a. (continued): Problems in <i>Web of Science</i> Entries Compared with Original Works Cited Entries in <i>Extrapolation</i>	
C. Conflation (eliding) of two Works Cited entries into one <i>WoS</i> entry:	
1. First example of elision (with additional problem):	
Ext:	Snider, Mike. "The Future is Now for Lucas' THX-1138." <i>USA Today</i> May 21, 2004: E1.
Ext:	Speed, Lesley. "Tuesday's Gone: The Nostalgic Teen Film." <i>Journal of Popular Film and Television</i> 26.1 (1998): 24-32.
WoS:	SNIDER M, 2000, J POPULAR TELEVISION, pE1 [Note: Name and page from Snider entry, variant title of journal from Speed entry; and where did the 2000 date come from—did Speed author a year 2000 article in JPF&T?]
2. Second example of elision	
Ext:	Huff, Tanya. "'Thanks for the Reenactment, Sir.' Zoe: Updating the Woman Warrior." Espenson. <i>Finding Serenity</i> 97-104. [Note: This is one of nine examples of an essay in one of three different anthologies, but the other eight <i>WoS</i> entries correctly identified the anthology title and did not concatenate the entry with another succeeding one.]
Ext:	Jenkins, Jerry B., and Tim LaHaye. <i>Left Behind: A Novel of the Earth's Last Days</i> . Carol Steam, IL: Tyndale House Publishers, Inc., 1996. Print.
WoS:	HUFF T, LEFT NOVEL EARTHS LA, P97
Note: <i>Extrapolation</i> examples taken from articles in 50.3 (Fall 2009) issue.	
Note: <i>Web of Science</i> examples downloaded on 20 October 2017.	

In "The Design and Production of a Citation Index" in his *Citation Indexing*, **Eugene Garfield (1979: Ch. 3)** detailed the lengths to which his Institute for Scientific Information went to produce as correct and error free a database as possible, so it is troubling that I discovered so many problems in such a small set of *WoS* cited reference entries. While one might argue about the suitability of using the director or tv show creator's name as the author main entry for a film or tv show entry, if one knows that

this is the protocol for the database one can at least find those entries. However, the mangling of the name entries, either by using the first name rather than the surname (Richard, not Slotkin, in example A.2.), or using two different forms of a double-barreled surname (Casares or Bioy Casares; example A.1) even when it is properly displayed in the Works Cited listings in the same article, is definitely problematic as it prevents a searcher from identifying all the references that may be being sought in a search for who has cited/referenced the individual(s) the searcher is interested in. The choice of an anthology editor as the main entry, rather than the name of the actual author of the specific item referenced (A.3.), or proclaiming the author as Anonymous especially when the name is plainly there in the Works Cited entry (A.4.), will prevent a researcher from finding the reference cited, and might, if these problem occur too often, cause distortions in the results of a citation analysis.

A different problem, the use of subtitles in the cited reference (B.1., B.2) instead of plainly indicated main titles, especially as the main title is identified in another cited reference in the same Works Cited list, will cause some of the same headaches for researchers. Listing of a tv program twice for different years, and not listing the clearly noted specific episodes referenced causes different problems. Is the seeker after cited references to infer two different cited references from the different years? Will the bibliometrician count the tv series twice in the data? What about the individual seeking references solely to particular episodes of specific series, will they have to look up all references to the series and examine each one of them? I've not found any WoS based information on the protocols to be followed in this situation, but may conjecture that the indexers have been told to ignore the episode titles and only index the whole series.

The same tv episodes situation of identifying, or not, the particular item referenced occurs in *WoS* for those seeking cited references for individual short fictions or short poems (but not for novels or long poems by the same authors); the *WoS* indexes the author of the shorter items, but not the specific item title, but rather the title of whichever manifestation source (author collection, edited anthology) was used by the scholar, perhaps with the beginning page number; thus, should the researcher not know of all the collections or anthologies that particular short piece has been (re)printed in they are out of luck in identifying it from the *WoS* data (recall the well over a hundred reprints of Harlan Ellison's "Repent, Harlequin!" said the Ticktockman" noted in section 7.2.3.). The issue of conflating entries (C.1., C.2.), is a definite challenge for both a searcher after cited references, and for the bibliometric researcher as it distorts the number of items found, what items have actually been referenced, and it may impede certain types of bibliometric research such as that involving bibliographic coupling and cocitation analysis. Some of these issues may not be as much of a problem for a bibliometrician looking at the 'big picture' on a macro- scale, but may be for more micro-scale studies.

This small data set included 33 items with URLs. Four items from the Notes (one primary; three secondary) and six items (all secondary) from the In-text references with URLs were not acknowledged by *WoS*. The majority of these URL'd items were the 23 items from the Works Cited lists in the articles. Five of these 23 items were primary references (four short fictions; one novel) and were all listed in the *WoS* cited references with author and title. The remaining 18 items were secondary items (articles; reviews; interview) of which ten were recognized by *WoS*, with all ten being

published either in online journals (e.g., *Slayage: The Online Journal of Buffy Studies*) or on the websites of recognized serials (e.g., *American Cinematographer*, *Entertainment Weekly*); the eight secondary URL'd items not listed in the *WoS* cited references even though they were in the Works Cited lists of articles were published on websites associated with two serial publications (*New York Times*, *Variety*) and six other websites (e.g., rogerebert.com, CNN.com). Admittedly, some websites may be ephemeral, but the scholar-authors had reasons for referencing all of these items which they considered important in their Works Cited lists; one might ask upon what basis were the items with URLs chosen or not chosen for incorporation in the *WoS* databases upon which so many scholars depend. For some arts and humanities scholars finding some of these bits and pieces of information on the web are part of their normal scholarly information grazing practice and these resources can be significant for them. This is another way in which, yes, some aspects of the arts and humanities *are* different.

Despite these varied problems, I was able to match many but not all of my sampled *Extrapolation* formal Works Cited entries with *Web of Science* cited reference entries. Of the 63 Works Cited primary works references I could confidently match 46 of them with *WoS* entries. The remaining 17 presented several of the issues shown in Table 8.3.a. above. The missing fourteen episodes of the tv series *Firefly*, as shown in example B.3. above, all very clearly detailed in the Works Cited list, make up the bulk of the problematic 17 items, and the listing of the series of a whole, twice—once for each year the series ran—doesn't seem to the mind of this classifier to make up for the

episodes loss; perhaps the *Web of Science* decision makers need to reconsider some of their indexing practices.

The conflation of two *Extrapolation* entries into one erroneous *WoS* entry (C.2. above), shows that problem fairly clearly—is it sufficient to match just the title of the novel, *Left Behind*, and ignore that the author is given as Huff (who was writing an article published in an anthology) rather than the correct first co-author Jerry B. Jenkins, in order to say that there is a match? Another problem involved two entries for short fictions by Lovecraft (originally published in 1933 and 1936) both referenced separately, but were also referenced as having been used from the same 2004 single author collection; the 2004 collection was listed once by *WoS* without acknowledgement that two different items were originally referenced. So, might I be able to state that *WoS* included at least 48, or even 48.5, of the primary works *Extrapolation Works Cited* entries?

When it came time to match primary works which I first identified in *Extrapolation* in the formal Notes location, or in the informal Annotations and In-text locations the picture is very different. As noted above, I did find 18 individual film directors or tv show creators in the author main entries of their respective *WoS* cited reference data, names which I captured as mentions (neither primary nor secondary) in my informal Annotations location, but this is a characterization used that separated the names from the work title in the formal Works Cited items of the film and tv show title main entries; still they were in the *WoS*, so I could probably count them as found.

All seven of the articles analyzed had Notes sections (1-25 notes; not all bibliographic), but none of the primary items that were first identified in the second

priority Notes sections (i.e., not in the first priority Works Cited sections) was considered worthy of being indexed in the *WoS*. Therefore, save those primary works connected director and show creator names in the Annotation, no other of my informally referenced primary works, nor any of the primary works listed in the formally referenced Notes, was captured by the *WoS* so for this small data set I was unable to identify any *WoS* determined implicit citations.

Since part of my purpose in studying the primary references given by the scholar-authors of the *Extrapolation* articles was to examine these references given at a very granular level, my decision to capture my own data rather than to rely upon the *Web of Science* appears to have been a good decision. The informally referenced primary works which I now consider to be implicit references, and the primary works referenced in the Notes, are just as much a part of the conversation between the scholar-authors and the primary works they studied as items in the Works Cited entries, and, when the secondary references are analyzed later, part of the conversation with others who have also written about those works and their historical and cultural contexts, and sometimes even some of the conversation with the non-scholarly 'consumers' of these cultural works.

So, returning to the question *Is there something different about the arts and humanities that needs to be considered when doing bibliometric or citation analysis studies?* From the data derived from my own study I should say that yes, there *is* something different about the arts and humanities, and we need to take that those differences into account in the questions we ask, in the data we collect, in the sources

from which we collect that data, and in the analyses we conduct in attempting to answer the questions we have asked, all the while being alert to data which surprises or intrigues us and makes us ask even more questions. While the *WoS* indexers may include as implicit citations those artists and artworks, the composers and music scores, found illustrated in articles but not identified in the Works Cited lists of those articles as noted by Garfield, those who would conduct bibliometric studies in the areas of the arts and humanities need to be aware of these types of limitations of the database beyond that it primarily indexes journals, particularly if some of the asked questions might require data not normally found in the *Web of Science* such as the informal references. If the bibliometrician is examining the references cited for certain types of materials, such as shorter works (short stories, tv series episodes, many poems, possibly some artworks that are discussed but not illustrated) they may need to do further work to expand upon or to disambiguate certain items in their data sets.

Some humanists may focus on little details that others overlook as I have done with the informal references, others may take a wider and less detailed view, all of which depends on their interests and on the questions they are asking. The cultural conversation upon which arts and humanities scholars are engaged may require them to refer to commonly recognized cultural touchstones (*The Tempest*? “The Ode to Joy”? Michelangelo’s David? Da Vinci’s *Mona Lisa*?) in their scholarly arguments, but because these items are so well known, the scholars may not necessarily feel the need for a formal entry about them in a bibliography, especially if they are not directly quoting from that work and needing to specify which manifestation was used. Does that mean that those ‘everyone knows’ items are less important and thus need not be *counted*? Or

are they important because they are so well known, are such a part of the tacit knowledge base expected of the expected readers, and they can connect the overtly studied and referenced materials with other things which have come before them?

I have a few more tables that may answer some of these questions . . .

How do the scholars reference? Table 8.3.b. below identifies in general terms how the scholar-authors of the *Extrapolation* articles referenced the primary works materials. The female scholars referenced primary works noticeably more often in a formal manner than did their male counterparts who referenced the same type of material more often in an informal manner. While the female and male scholars on average referenced primary works formally in virtually identical numbers (7.85 vs. 7.87 per article), the male scholars informally referenced an average of three primary works more per article than did the female scholars. The mixed gender scholar co-author groups referenced fewer items formally (5.87) on average and more items informally (13.13) than either of the single gender groups. Are the female scholars more tightly focused upon their primary works subjects? Are the male scholars making more informal primary works references in order to connect their main subject with the broader cultural context, or are the male scholars demonstrating a wider cultural perspective or knowledge base? And why are the mixed gender groups referencing practices so different from the other two groups? One might have to conduct a survey or interview scholars on this issue to move beyond these idle speculations.

Table 8.3.b: Scholars Giving References to Primary (Creative) Work: <i>Extrapolation, v. 1-50, 1959-2009</i>						
SCHOLARS Referencing	# Articles	Formal: # Primary Works Refs Given	Informal: # Primary Works Refs Given	Total: # Primary Works Refs Given	Formal: % Primary Refs Given	Informal: % Primary Refs Given
Female Scholars	283	2,221	1,815	4,036	55.03%	44.97%
Average # Refs/Article:		7.85	6.41	14.26		
% of Articles; or, % of Refs Given:	30.20%	30.27%	22.32%	26.09%		
% of All 15,467 Refs Given:		14.36%	11.73%			
Male Scholars	639	5,028	6,118	11,146	45.11%	54.89%
Average # Refs/Article:		7.87	9.57	17.44		
% of Articles; or, % of Refs Given:	68.20%	68.53%	75.25%	72.06%		
% of All 15,467 Refs Given:		32.51%	39.56%			
Mixed Gender Scholars	15	88	197	285	30.88%	69.12%
Average # Refs/Article:		5.87	13.13	19.00		
% of Articles; or, % of Refs Given:	1.60%	1.20%	2.42%	1.82%		
% of All 15,467 Refs Given:		0.57%	1.27%			
Totals	937	7,337	8,130	15,467	47.44%	52.56%
Average # Refs/Article:		7.83	8.68	16.51		
Note: Based on data in Table 7.3.1.b.						
Note: Scholar groups include solo authored and co-authored articles.						

Another way of looking at how scholars reference is to determine who is referenced in a formal, generally Works Cited list, and who is referenced informally. Table 8.3.c. below displays how the scholars generally referenced both the highly cited

and the less highly cited primary authors and works and the anonymous or collaborative primary works. The 118 most frequently referenced primary authors (20-563 references received each) could be divided into the 57 who received 50.0% or more of their references in a formal location, and the 61 who received more than half of their references in an informal manner. Of all 2,035 primary authors and works referenced, only a small majority (51.4% vs. 48.6%) were more often formally referenced. The authors with only a single reference could only have been more evenly split had there been one more formally referenced singleton, as they were virtually evenly divided between those receiving that one formal reference (536) and those only a single informal reference (537). While these singleton authors did not sway the overall more formal-more informal division, they are important. The 536 authors with a single formally defined reference were recognized by the academy in one of the ways the academy and scholarship awards recognition. These authors and their works, along with the more frequently formally referenced, *counted*. Alternatively, were the 537 informal one-reference primary authors ignored or neglected at least in *Extrapolation*; were these items forever condemned to a lack of scholarly recognition, do they *not count*, or might they be recognized formally by other scholars in other scholarly journals or other scholarly venues? As for the anonymous or collaborative works, the more frequently referenced titles (10-191 references) were more often referenced in an informal manner than a formal one, thus not gaining as much recognition in the scholarly world than the works by individual known authors; some of these works will have won recognition in the marketplace and in the hearts of millions of viewers (primarily) and their creators may not mind the scholarly bibliographical snub.

Table 8.3.c.:
Referenced Primary Authors and Referenced Anonymous or Collaborative Works:
Number of References Received: % Formal and Informal References:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY AUTHORS Referenced or PRIMARY ANONYMOUS or COLLABORATIVE WORKS Referenced	Number of Aut- hors	Formal Percentages:			100%		50.01-99.99%		50%		0.01-49.99%		0%	
		Informal Percentages:			0%		0.01-49.99%		50%		50.01-99.99%		100%	
		For- mal: # Wk Refs	Infor- mal: # Wk Refs	Total: # All Wk Refs	# Aut- hors or Works	% All Authors or All Works	# Aut- hors or Works	% All Authors or All Works	# Aut- hors or Works	% All Authors or All Works	# Aut- hors or Works	% All Authors or All Works	# Aut- hors or Works	% All Authors or All Works
Authors, Female, Male, Unknown Gender, Pseudonymous, & Group	2,035	6,554	6,539	13,093	716	35.18%	188	9.24%	142	6.98%	260	12.78%	729	35.82%
20-563 References [Details: Table 8.3.d.]	118	3,997	3,735	7,732	1	0.05%	53	2.60%	3	0.15%	61	3.00%		
10-19 References	116	780	842	1,622	10	0.49%	41	2.01%	4	0.20%	57	2.80%	4	0.20%
02-09 References	728	1,241	1,425	2,666	169	8.30%	94	4.62%	135	6.63%	142	6.98%	188	9.24%
01 Reference	1,073	536	537	1,073	536	26.34%							537	26.39%
Anonymous or Collaborative Works	1,320	982	1,824	2,806	384	29.09%	31	2.35%	89	6.74%	92	6.97%	724	54.85%
10-191 References [Details: Table 8.3.e.]	29	278	580	958			6	0.45%			22	1.67%	1	0.08%
02-09 References	313	348	622	970	28	2.12%	25	1.89%	89	6.74%	70	5.30%	101	7.65%
01 Reference	978	356	622	978	356	26.97%							622	47.12%

Note: Based on Table 7.4.1.1. and other data; Anonymous works includes works with Anonymous co-authors, co-editors, or Adaptors.

The formal or informal ways in which the most frequently referenced authors, and the most frequently referenced individual works, are presented by scholars to the scholarly world can also prove enlightening. Table 8.3.d. below lists the 118 most frequently referenced primary authors from Table 7.4.1.1. in the order of the proportion of formal versus informal referenced they received. While one of these authors received all of his references in a formal manner in the one article whose scholar-author gave him all the references he received in *Extrapolation*, none of these 118 oft referenced authors received all of their references solely in an informal manner. It is productive to compare the authors at the top of the list, those more often formally referenced, with those at the bottom who are more often referenced informally.

Save for the 19th century Samuel Butler, the other 56 authors referenced formally 50-100% of the time are 20th and 21st century writers. Four of these authors died before *Extrapolation* started publishing, and 28 more of them would die by the end of the period being studied, while six would die after that period, and 18 of them are still alive and publishing, with the pseudonymous Appleton excluded from this morbid accounting.

Of the 61 authors referenced more often informally, 16 of them died before the 20th century and an additional six lived more of their lives in the 19th century, though not necessarily more of their creatively productive years. Half (31) of these more often informally referenced authors had died before *Extrapolation* started publishing, and 21 more of them would die by the end of the period being studied, seven would die in the following decade, and two of them (Atwood and Ramsay Campbell) are still very much with us and publishing as I write these words. Many of the writers who are referenced more often in an informal manner would be considered canonical by those who

Table 8.3.d.:
Most Frequently Referenced Primary Authors:
Number of References Received: % of Formal and Informal References:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY AUTHOR Referenced	Gender	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Authors:		6,554	6,539	13,093	50.06%	49.94%
Hoshi Shinichi	M	34	0	34	100.00%	0.00%
Ryman, Geoff	M	25	1	26	96.15%	3.85%
Boucher, Anthony [pso: White, William Anthony Parker]	M	19	1	20	95.00%	5.00%
Howard, Robert E.	M	42	4	46	91.30%	8.70%
Sheckley, Robert	M	53	7	60	88.33%	11.67%
Saberhagen, Fred	M	22	4	26	84.62%	15.38%
Smith, Cordwainer [pso: Linebarger, Paul M. A.; aka: d'Este, Anthony; Forrest, Felix C.]	M	44	9	53	83.02%	16.98%
Gunn, James	M	36	8	44	81.82%	18.18%
Benford, Gregory	M	17	4	21	80.95%	19.05%
Elgin, Suzette Haden	F	16	4	20	80.00%	20.00%
McIntyre, Vonda N.	F	16	4	20	80.00%	20.00%
Campbell, John W., Jr. [aka: Don A. Stuart]	M	64	17	81	79.01%	20.99%
Merril, Judith [aka: Sharon, Rose; 1/2 of Judd, Cyril]	F	82	22	104	78.85%	21.15%
Moore, C. L. [Catherine Lucille; solo & as 1/2 of Padgett, Lewis, or O'Donnell, Lawrence]	F	30	9	39	76.92%	23.08%
Butler, Samuel	M	21	7	28	75.00%	25.00%
Norton, Andre	F	15	5	20	75.00%	25.00%
Heinlein, Robert A. [aka: MacDonald, Anson]	M	380	139	519	73.22%	26.78%
Gibson, William	M	49	19	68	72.06%	27.94%
Anderson, Poul	M	30	12	42	71.43%	28.57%
Le Guin, Ursula K.	F	401	162	563	71.23%	28.77%

**Table 8.3.d. (continued):
Most Frequently Referenced Primary Authors:
Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Gender	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Wolfe, Gene	M	27	11	38	71.05%	28.95%
Miéville, China	M	44	19	63	69.84%	30.16%
King, Stephen	M	41	18	59	69.49%	30.51%
Dick, Philip K.	M	158	71	229	69.00%	31.00%
Appleton, Victor [ps; when real name not given in text]	PS	15	7	22	68.18%	31.82%
Clement, Hal [pso: Stubbs, Harry C.]	M	19	9	28	67.86%	32.14%
Williamson, Jack	M	47	26	73	64.38%	35.62%
Charnas, Suzy McKee	F	18	10	28	64.29%	35.71%
Cherryh, C. J. [Carolyn Janice]	F	16	9	25	64.00%	36.00%
Haldeman, Joe	M	27	16	43	62.79%	37.21%
Borges, Jorge Luis	M	40	24	64	62.50%	37.50%
Robinson, Kim Stanley	M	21	13	34	61.76%	38.24%
Zamiatin / Zamyatin, Evgenii / Yevgeny	M	22	14	36	61.11%	38.89%
Clarke, Arthur C. [aka: Willis, Charles]	M	137	90	227	60.35%	39.65%
Leiber, Fritz	M	24	16	40	60.00%	40.00%
Russ, Joanna	F	36	24	60	60.00%	40.00%
Tiptree, James, Jr. [pso: Sheldon, Alice; aka: Sheldon, Racoon]	F	64	43	107	59.81%	40.19%
Butler, Octavia E.	F	31	21	52	59.62%	40.38%
Bradley, Marion Zimmer	F	16	11	27	59.26%	40.74%
Moorcock, Michael	M	23	16	39	58.97%	41.03%
Miller, Walter M., Jr.	M	27	19	46	58.70%	41.30%
Piercy, Marge	F	21	15	36	58.33%	41.67%
Vonnegut, Kurt, Jr.	M	47	35	82	57.32%	42.68%
Lessing, Doris	F	24	18	42	57.14%	42.86%

**Table 8.3.d. (continued):
Most Frequently Referenced Primary Authors:
Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Gen- der	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Varley, John	M	12	9	21	57.14%	42.86%
Delany, Samuel R. [aka: Kermit, S. L.]	M	64	49	113	56.64%	43.36%
Niven, Larry	M	28	22	50	56.00%	44.00%
Silverberg, Robert	M	53	42	95	55.79%	44.21%
Gernsback, Hugo	M	21	17	38	55.26%	44.74%
Kuttner, Henry [solo & as 1/2 of Padgett, Lewis, or O'Donnell, Lawrence]	M	11	9	20	55.00%	45.00%
Dickson, Gordon R.	M	15	13	28	53.57%	46.43%
Herbert, Frank	M	50	48	98	51.02%	48.98%
Simak, Clifford	M	34	33	67	50.75%	49.25%
Asimov, Isaac	M	140	139	279	50.18%	49.82%
Bear, Greg	M	18	18	36	50.00%	50.00%
Bujold, Lois McMaster	F	12	12	24	50.00%	50.00%
Peake, Mervyn	M	10	10	20	50.00%	50.00%
Pohl, Frederik [aka: MacCreigh, James]	M	47	49	96	48.96%	51.04%
Vance, Jack	M	22	23	45	48.89%	51.11%
Tolkien, J. R. R. [John Ronald Reuel]	M	44	49	93	47.31%	52.69%
Verne, Jules	M	35	39	74	47.30%	52.70%
Lem, Stanislaw	M	51	59	110	46.36%	53.64%
Sturgeon, Theodore	M	22	26	48	45.83%	54.17%
Bester, Alfred	M	19	23	42	45.24%	54.76%
Atwood, Margaret	F	25	31	56	44.64%	55.36%
Lewis, C. S.	M	47	59	106	44.34%	55.66%
Burroughs, Edgar Rice	M	24	31	55	43.64%	56.36%
van Vogt, A. E. [Alfred Elton]	M	20	26	46	43.48%	56.52%
Blish, James	M	33	44	77	42.86%	57.14%

**Table 8.3.d. (continued):
Most Frequently Referenced Primary Authors:
Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Gender	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Farmer, Philip José [aka: Trout, Kilgore]	M	27	36	63	42.86%	57.14%
Lee, Tanith	F	9	12	21	42.86%	57.14%
Ellison, Harlan	M	29	40	69	42.03%	57.97%
Aldiss, Brian W.	M	17	24	41	41.46%	58.54%
Burgess, Anthony	M	12	17	29	41.38%	58.62%
Shelley, Mary Wollstonecraft	F	31	46	77	40.26%	59.74%
Wells, H. G.	M	132	196	328	40.24%	59.76%
Bellamy, Edward	M	23	35	58	39.66%	60.34%
MacDonald, George	M	17	26	43	39.53%	60.47%
Stevenson, Robert Louis	M	9	14	23	39.13%	60.87%
Lovecraft, H. P.	M	60	102	162	37.04%	62.96%
Wyndham, John	M	20	36	56	35.71%	64.29%
Stapledon, Olaf	M	17	31	48	35.42%	64.58%
del Rey, Lester	M	10	19	29	34.48%	65.52%
Eliot, T. S.	M	12	23	35	34.29%	65.71%
Ballard, J. G. [James Graham]	M	21	41	62	33.87%	66.13%
Bradbury, Ray	M	37	76	113	32.74%	67.26%
Brunner, John	M	9	19	28	32.14%	67.86%
Calvino, Italo	M	7	15	22	31.82%	68.18%
Conrad, Joseph	M	7	16	23	30.43%	69.57%
Forster, E. M.	M	6	14	20	30.00%	70.00%
Harrison, Harry	M	12	28	40	30.00%	70.00%
Poe, Edgar Allan	M	15	35	50	30.00%	70.00%
Weiss, Jan	M	12	28	40	30.00%	70.00%
Kornbluth, C. M. [aka: 1/2 of Judd, Cyril]	M	22	52	74	29.73%	70.27%
Kafka, Franz	M	6	15	21	28.57%	71.43%
More, Thomas, St. Sir	M	12	30	42	28.57%	71.43%

**Table 8.3.d. (continued):
Most Frequently Referenced Primary Authors:
Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Gender	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Zelazny, Roger	M	29	79	108	26.85%	73.15%
Eliot, George	F	6	17	23	26.09%	73.91%
Melville, Herman	M	12	34	46	26.09%	73.91%
Morris, William	M	6	17	23	26.09%	73.91%
Twain, Mark [pso: Clemens, Samuel Langhorne]	M	9	26	35	25.71%	74.29%
Orwell, George	M	22	65	87	25.29%	74.71%
De Camp, L. Sprague	M	5	16	21	23.81%	76.19%
Villiers de l'Isle-Adam, Jean-Marie-Mathias-Philippe-Auguste	M	7	23	30	23.33%	76.67%
Huxley, Aldous	M	20	66	86	23.26%	76.74%
James, Henry	M	5	18	23	21.74%	78.26%
Dunsany, Edward John Moreton Drax Plunkett, Lord	M	6	23	29	20.69%	79.31%
Milton, John	M	7	28	35	20.00%	80.00%
Swift, Jonathan	M	10	44	54	18.52%	81.48%
Joyce, James	M	6	28	34	17.65%	82.35%
Dante Alighieri	M	5	24	29	17.24%	82.76%
Bleek, Gordon Clive [aka: Belli, Luigi]	M	5	25	30	16.67%	83.33%
Shakespeare, William	M	27	146	173	15.61%	84.39%
Doyle, Arthur Conan, Sir	M	5	28	33	15.15%	84.85%
Homer	M	5	34	39	12.82%	87.18%
Hawthorne, Nathaniel	M	4	32	36	11.11%	88.89%
Campbell, Ramsay	M	3	26	29	10.34%	89.66%
Carroll, Lewis [pso: Dodgson, Charles Lutwidge]	M	4	37	41	9.76%	90.24%

Note: Based on Table 7.4.1.1. and original data files.

Note: Abbreviations: F=Female; M=Male; **UG**=Unknown Gender; **PS**=Pseudonymous Authors (Unknown Gender); **aka**=also known as, used for referenced pseudonyms or real names.

subscribe to the idea of canonicity: Homer, Dante, More, Shakespeare, Milton, Swift, Hawthorne, George Eliot, Melville, Twain, James, Conrad, Joyce, and T. S. Eliot prominent among them. While no one could argue that these older, more canonical, authors suffer from a dearth of scholarly attention, they, and the probably less traditionally canonical but no less important to the F&SF field authors, are important for students of the development of F&SF scholarship. *They do count*, and they and their works ought, in my view, to be more fully accounted for in at least those bibliometric studies which take a closer look at scholarship on a more granular, or micro-scale.

While Table 8.3.d. above considered the references given to each of the most frequently referenced creative primary authors, one may also take a similar view of the most frequently referenced individual primary works, as in Table 8.3.e. below., the final table, also arranged by the proportion of formal versus informal references received. As with the most frequently referenced primary authors, the most frequently referenced individual primary works have a similar ranking as regards those more often referenced formally than informally, with most of the more often formally referenced works (82 of 182 titles) being 20th or even 21st century works; they are also more often text-based works such as novels and short fictions, though there are a number of collaborative works as with film, tv, and comic book/graphic novel texts. As with the authors, the works more frequently referenced in an informal fashion tend (though not exclusively so) to be older works, the religious texts, mediated works which some scholars seem to have trouble referencing in a formal manner, and works by the more traditionally canonical authors whether or not the works themselves would be considered F&SF, such as Twain's *Adventures of Huckleberry Finn*, or Shakespeare's *Macbeth*, *King Lear*,

Table 8.3.e.:
Most Frequently Referenced Primary Works:
Number of References Received: % of Formal and Informal References:
Extrapolation's First Five Decades: Volumes 1-50, December 1959-Fall 2009

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Miéville, China	<i>Scar, The</i>	no	12	1	13	92.31%	7.69%
	Warlock	cb	12	1	13	92.31%	7.69%
Le Guin, Ursula K.	<i>Tehanu</i>	no	11	1	12	91.67%	8.33%
Le Guin, Ursula K.	"Vaster Than Empires and More Slow"	sf	10	1	11	90.91%	9.09%
Heinlein, Robert A.	<i>Double Star</i>	no	9	1	10	90.00%	10.00%
Heinlein, Robert A.	<i>Tunnel in the Sky</i>	no	9	1	10	90.00%	10.00%
Le Guin, Ursula K.	<i>Farthest Shore, The</i>	no	18	2	20	90.00%	10.00%
Nowlan, Philip Francis	<i>Armageddon 2419 AD</i>	no	9	1	10	90.00%	10.00%
Moore, C. L.	"No Woman Born"	sf	14	2	16	87.50%	12.50%
Le Guin, Ursula K.	<i>Eye of the Heron, The</i>	no	13	2	15	86.67%	13.33%
Asimov, Isaac	<i>Second Foundation</i>	no	11	2	13	84.62%	15.38%
Clarke, Arthur C.	<i>Against the Fall of Night</i>	no	11	2	13	84.62%	15.38%
Heinlein, Robert A.	<i>Have Spacesuit Will Travel</i>	no	11	2	13	84.62%	15.38%
Wells, H. G.	<i>Sleeper Wakes, The</i> [aka: <i>When the Sleeper Wakes</i>]	no	31	6	37	83.78%	16.22%
Asimov, Isaac	<i>Foundation and Empire</i>	no	10	2	12	83.33%	16.67%
Merril, Judith, ed.	<i>Best SF</i> [aka: <i>Year's Best SF</i> ; various volumes]	bk-anth-series	14	3	17	82.35%	17.65%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Heinlein, Robert A.	<i>Podkayne of Mars</i>	no	9	2	11	81.82%	18.18%
Le Guin, Ursula K.	<i>Tombs of Atuan, The</i>	no	13	3	16	81.25%	18.75%
Delany, Samuel R.	<i>Trouble on Triton [aka: Triton]</i>	no	12	3	15	80.00%	20.00%
Dick, Philip K.	<i>Three Stigmata of Palmer Eldritch, The</i>	no	8	2	10	80.00%	20.00%
Ellis, Edward S.	<i>Huge Hunter, The; or, The Steam Man of the Prairies</i>	no	8	2	10	80.00%	20.00%
Gunn, James, ed.	<i>Road to Science Fiction, The [6v Set & series]</i>	bk-anth-series	8	2	10	80.00%	20.00%
Miéville, China	<i>Perdido Street Station</i>	no	8	2	10	80.00%	20.00%
Tolkien, J. R. R.	<i>Fellowship of the Ring</i>	no	8	2	10	80.00%	20.00%
Vonnegut, Kurt, Jr.	<i>Slaughterhouse-Five</i>	no	12	3	15	80.00%	20.00%
	<i>Mystery in Space</i>	cb	20	5	25	80.00%	20.00%
Delany, Samuel R.	<i>Einstein Intersection, The</i>	no	11	3	14	78.57%	21.43%
Dick, Philip K.	VALIS	no	11	3	14	78.57%	21.43%
Le Guin, Ursula K.	<i>Wizard of Earthsea, A</i>	no	21	6	27	77.78%	22.22%
Asimov, Isaac	<i>Foundation</i>	no	10	3	13	76.92%	23.08%
Ellison, Harlan	"I Have No Mouth, and I Must Scream"	sf	9	3	12	75.00%	25.00%
Heinlein, Robert A.	<i>Beyond This Horizon</i>	no	9	3	12	75.00%	25.00%
Le Guin, Ursula K.	<i>Always Coming Home</i>	no	14	5	19	73.68%	26.32%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
	<i>Tao Te Ching</i>	rel txt	8	3	11	72.73%	27.27%
Dick, Philip K.	<i>Do Androids Dream of Electric Sheep?</i> [aka: <i>Blade Runner</i>]	no	13	5	18	72.22%	27.78%
Butler, Samuel	<i>Erewhon; or, Over the Range</i>	no	17	7	24	70.83%	29.17%
Gernsback, Hugo	"Baron Münchhausen's Scientific Adventures"	sf series	7	3	10	70.00%	30.00%
Heinlein, Robert A.	<i>Rocket Ship Galileo</i>	no	7	3	10	70.00%	30.00%
Heinlein, Robert A.	<i>Time Enough for Love</i>	no	7	3	10	70.00%	30.00%
Le Guin, Ursula K.	"Nine Lives"	sf	7	3	10	70.00%	30.00%
Heinlein, Robert A.	<i>Puppet Masters, The</i>	no	9	4	13	69.23%	30.77%
Dick, Philip K.	<i>Martian Time-slip</i>	no	8	4	12	66.67%	33.33%
Gibson, William	<i>Neuromancer</i>	no	20	10	30	66.67%	33.33%
Heinlein, Robert A.	<i>Starship Troopers</i>	no	16	8	24	66.67%	33.33%
Heinlein, Robert A.	<i>Star Beast</i>	no	8	4	12	66.67%	33.33%
Heinlein, Robert A.	<i>Time for the Stars</i>	no	8	4	12	66.67%	33.33%
Tolkien, J. R. R.	<i>Hobbit, The</i>	no	8	4	12	66.67%	33.33%
	<i>Avengers</i>	cb	11	6	17	64.71%	35.29%
	<i>Firefly</i>	tv series	19	11	30	63.33%	36.67%
Russ, Joanna	<i>Female Man, The</i>	no	17	10	27	62.96%	37.04%
Le Guin, Ursula K.	"Word for World Is Forest, The"	sf	13	8	21	61.90%	38.10%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Le Guin, Ursula K.	"Ones Who Walk Away from Omelas, The"	sf	8	5	13	61.54%	38.46%
Lindsay, David	<i>Voyage to Arcturas, A</i>	no	8	5	13	61.54%	38.46%
Le Guin, Ursula K.	<i>Left Hand of Darkness, The</i>	no	39	25	64	60.94%	39.06%
del Rey, Lester	"Helen O'Loy"	sf	6	4	10	60.00%	40.00%
Gilman, Charlotte Perkins	<i>Herland</i>	no	6	4	10	60.00%	40.00%
Heinlein, Robert A.	<i>Red Planet</i>	no	6	4	10	60.00%	40.00%
Le Guin, Ursula K.	<i>Lathe of Heaven, The</i>	no	12	8	20	60.00%	40.00%
Le Guin, Ursula K.	<i>Planet of Exile</i>	no	6	4	10	60.00%	40.00%
Wordsworth, William	<i>Prelude, The</i>	po	6	4	10	60.00%	40.00%
Zamyatin, Yevgeny	<i>We</i> [English title]	no	20	14	34	58.82%	41.18%
Stoker, Bram	<i>Dracula</i>	no	7	5	12	58.33%	41.67%
Le Guin, Ursula K.	<i>Dispossessed, The</i>	no	29	21	50	58.00%	42.00%
Merril, Judith	"That Only a Mother"	sf	8	6	14	57.14%	42.86%
Wells, H. G.	<i>Modern Utopia, A</i>	no	9	7	16	56.25%	43.75%
Lewis, C. S.	<i>Perelandra</i>	no	10	8	18	55.56%	44.44%
	<i>Blade Runner</i>	film	10	8	18	55.56%	44.44%
Lewis, C. S.	<i>Out of the Silent Planet</i>	no	11	9	20	55.00%	45.00%
Heinlein, Robert A.	<i>Space Cadet</i>	no	6	5	11	54.55%	45.45%
Le Guin, Ursula K.	<i>City of Illusions</i>	no	6	5	11	54.55%	45.45%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Lovecraft, H. P.	"Call of Cthulhu, The"	sf	6	5	11	54.55%	45.45%
Asimov, Isaac	<i>Caves of Steel</i>	no	7	6	13	53.85%	46.15%
Blish, James	<i>Case of Conscience, A</i>	no	9	8	17	52.94%	47.06%
Delany, Samuel R.	<i>Babel-17</i>	no	9	8	17	52.94%	47.06%
Dick, Philip K.	<i>Man in the High Castle, The</i>	no	13	12	25	52.00%	48.00%
Piercy, Marge	<i>Woman on the Edge of Time</i>	no	13	12	25	52.00%	48.00%
Atwood, Margaret	<i>Handmaid's Tale, The</i>	no	8	8	16	50.00%	50.00%
Bellamy, Edward	<i>Equality</i>	no	5	5	10	50.00%	50.00%
Campbell, John W., Jr.	"Who Goes There?"	sf	5	5	10	50.00%	50.00%
Clarke, Arthur C.	<i>City and the Stars, The</i> [expanded version of: <i>Against the Fall of Night</i>]	no	6	6	12	50.00%	50.00%
Delany, Samuel R.	<i>Nova</i>	no	6	6	12	50.00%	50.00%
MacDonald, George	<i>Phantastes</i>	no	6	6	12	50.00%	50.00%
Miller, Walter M., Jr.	<i>Canticle for Leibowitz, A</i>	no	16	17	33	48.48%	51.52%
Clarke, Arthur C.	<i>2001: A Space Odyssey</i>	no	11	12	23	47.83%	52.17%
Lem, Stanisław	<i>Solaris</i>	no	13	15	28	46.43%	53.57%
Wells, H. G.	<i>Invisible Man, The</i>	no	6	7	13	46.15%	53.85%
Le Guin, Ursula K.	<i>Rocannon's World</i>	no	5	6	11	45.45%	54.55%
Russ, Joanna	"When It Changed"	sf	5	6	11	45.45%	54.55%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Tiptree, James, Jr.	"Houston, Houston, Do You Read?"	sf	5	6	11	45.45%	54.55%
Lewis, C. S.	<i>That Hideous Strength</i>	no	8	10	18	44.44%	55.56%
Stevenson, Robert Louis	"Strange Case of Dr Jekyll and Mr Hyde"	sf	8	10	18	44.44%	55.56%
Herbert, Frank	<i>Dune</i>	no	19	24	43	44.19%	55.81%
Heinlein, Robert A.	<i>Moon Is a Harsh Mistress, The</i>	no	11	14	25	44.00%	56.00%
Shelley, Mary Wollstonecraft	<i>Frankenstein; or, The Modern Prometheus</i>	no	31	40	71	43.66%	56.34%
	<i>Star Trek: The Next Generation</i>	tv series	46	60	106	43.40%	56.60%
Vonnegut, Kurt, Jr.	<i>Player Piano</i>	no	8	11	19	42.11%	57.89%
Verne, Jules	<i>De la Terre à la lune</i> [aka: <i>From the Earth to the Moon</i>]	no	5	7	12	41.67%	58.33%
	<i>Alien</i>	film	5	7	12	41.67%	58.33%
	<i>Battlestar Galactica</i> [Reimagined Series]	tv series	5	7	12	41.67%	58.33%
Heinlein, Robert A.	<i>Stranger in a Strange Land</i>	no	15	22	37	40.54%	59.46%
Clarke, Arthur C.	<i>Childhood's End</i>	no	17	25	42	40.48%	59.52%
Butler, Octavia E.	<i>Xenogenesis</i> [aka: <i>Lilith's Brood</i>]	series	4	6	10	40.00%	60.00%
Clarke, Arthur C.	"Sentinel, The"	sf	4	6	10	40.00%	60.00%
Gernsback, Hugo	<i>Ralph 124C 41+</i>	no	8	12	20	40.00%	60.00%
Bradbury, Ray	<i>Martian Chronicles, The</i>	bk-coll-sf	11	17	28	39.29%	60.71%
Asimov, Isaac	<i>I, Robot</i>	bk-coll-sf	9	14	23	39.13%	60.87%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Burgess, Anthony	<i>Clockwork Orange, A</i>	no	9	14	23	39.13%	60.87%
Melville, Herman	<i>Moby-Dick</i>	no	7	11	18	38.89%	61.11%
Simak, Clifford	<i>City</i>	bk-coll-sf	5	8	13	38.46%	61.54%
Sturgeon, Theodore	<i>More Than Human</i>	no	5	8	13	38.46%	61.54%
Bradbury, Ray	<i>Fahrenheit 451</i>	no	11	18	29	37.93%	62.07%
	<i>Star Wars [aka: Star Wars IV--A New Hope]</i>	film	9	15	24	37.50%	62.50%
Asimov, Isaac	"Nightfall"	sf	5	9	14	35.71%	64.29%
Wells, H. G.	<i>Time Machine, The</i>	no	26	47	73	35.62%	64.38%
Forster, E. M.	"Machine Stops, The"	sf	6	11	17	35.29%	64.71%
Bellamy, Edward	<i>Looking Backward, 2000-1887</i>	no	15	28	43	34.88%	65.12%
Wells, H. G.	<i>War of the Worlds</i>	no	18	35	53	33.96%	66.04%
Čapek, Karel	<i>R U R: Rossum's Universal Robots</i>	dr	5	10	15	33.33%	66.67%
Herbert, Frank	<i>Dune</i>	series	4	8	12	33.33%	66.67%
Wells, H. G.	<i>First Men in the Moon, The</i>	no	7	15	22	31.82%	68.18%
	<i>Star Trek [The Original Series]</i>	tvseries	60	131	191	31.41%	68.59%
	<i>Metropolis</i>	film	4	9	13	30.77%	69.23%
James, Henry	<i>Turn of the Screw, The</i>	no	3	7	10	30.00%	70.00%
Kafka, Franz	"Metamorphosis, The"	sf	3	7	10	30.00%	70.00%
Pynchon, Thomas	<i>Gravity's Rainbow</i>	no	3	7	10	30.00%	70.00%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Shute, Neville	<i>On the Beach</i>	no	3	7	10	30.00%	70.00%
Wells, H. G.	<i>Men Like Gods</i>	no	3	7	10	30.00%	70.00%
Brunner, John	<i>Stand on Zanzibar</i>	no	5	12	17	29.41%	70.59%
Pohl, Frederik & Kornbluth, Cyril M.	<i>Space Merchants, The</i> [aka: <i>Gravy Planet</i>]	no	7	17	24	29.17%	70.83%
More, Thomas, St. Sir	<i>Utopia</i>	no	12	30	42	28.57%	71.43%
Skinner, B. F.	<i>Walden Two</i>	no	4	10	14	28.57%	71.43%
	<i>Twilight Zone</i>	tvseries	5	13	18	27.78%	72.22%
van Vogt, A. E.	<i>Slan</i>	no	3	8	11	27.27%	72.73%
Ellison, Harlan, ed.	<i>Dangerous Visions</i> [series; <i>Dangerous Visions</i> ; <i>Again, Dangerous Visions</i> ; <i>The Last Dangerous Visions</i> [never pubd]]	bk-anth-series	4	11	15	26.67%	73.33%
Le Guin, Ursula K.	<i>Earthsea</i> [trilogy-tetrolgy-series]	series	5	14	19	26.32%	73.68%
Orwell, George	<i>Nineteen Eighty-Four</i>	no	20	57	77	25.97%	74.03%
Asimov, Isaac	<i>Foundation</i>	series	9	27	36	25.00%	75.00%
Bester, Alfred	<i>Stars My Destination, The</i> [aka: <i>Tiger! Tiger!</i>]	no	3	9	12	25.00%	75.00%
	<i>2001: A Space Odyssey</i>	film	12	38	50	24.00%	76.00%
Tolkien, J. R. R.	<i>Lord of the Rings</i>	series	11	35	46	23.91%	76.09%
Stapledon, Olaf	<i>Star Maker</i>	no	3	10	13	23.08%	76.92%
Twain, Mark	<i>Adventures of Huckleberry Finn, The</i>	no	3	10	13	23.08%	76.92%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
	<i>Bible. Genesis</i>	rel txt	7	24	31	22.58%	77.42%
Eliot, T. S.	<i>Waste Land, The</i>	po	5	18	23	21.74%	78.26%
Wells, H. G.	<i>Island of Doctor Moreau, The</i>	no	6	22	28	21.43%	78.57%
Huxley, Aldous	<i>Brave New World</i> [with and without <i>Brave New World Revisited</i>]	no	14	52	66	21.21%	78.79%
	<i>Beowulf</i>	po	4	15	19	21.05%	78.95%
Baum, L. Frank	<i>Bible. Revelation(s) [aka: Apocalypse]</i>	rel txt	4	15	19	21.05%	78.95%
	<i>Wizard of Oz, The</i>	no	2	8	10	20.00%	80.00%
Joyce, James	<i>Finnegan's Wake</i>	no	3	12	15	20.00%	80.00%
Malory, Thomas, Sir	<i>Morte D'Arthur, Le</i>	bk-coll-sf	2	8	10	20.00%	80.00%
Morris, William	<i>News from Nowhere</i>	no	2	8	10	20.00%	80.00%
Stapledon, Olaf	<i>Last and First Men</i>	no	3	12	15	20.00%	80.00%
	<i>E T: The Extraterrestrial</i>	film	3	12	15	20.00%	80.00%
	<i>Close Encounters of the Third Kind</i>	film	2	8	10	20.00%	80.00%
	<i>Forbidden Planet</i>	film	2	8	10	20.00%	80.00%
	<i>Bible [whole book]</i>	rel txt	12	49	61	19.67%	80.33%
Lewis, C. S.	<i>Bible. Matthew</i>	rel txt	3	13	16	18.75%	81.25%
	<i>Space/Ransom Trilogy</i>	series	2	9	11	18.18%	81.82%
Shakespeare, William	<i>Macbeth</i>	dr	2	9	11	18.18%	81.82%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Milton, John	<i>Paradise Lost</i>	po	5	24	29	17.24%	82.76%
Shakespeare, William	<i>King Lear</i>	dr	2	10	12	16.67%	83.33%
Twain, Mark	<i>Connecticut Yankee in King Arthur's Court, A</i>	no	2	10	12	16.67%	83.33%
	<i>Doctor Who</i>	tv series	3	15	18	16.67%	83.33%
	<i>Star Wars</i>	film series	2	10	12	16.67%	83.33%
Homer	<i>Odyssey, The</i>	po	4	21	25	16.00%	84.00%
Spenser, Edmund	<i>Faerie Queene, The</i>	po	2	13	15	13.33%	86.67%
	<i>Star Trek: Deep Space Nine</i>	tv series	4	26	30	13.33%	86.67%
Shakespeare, William	<i>Tempest, The</i>	dr	3	20	23	13.04%	86.96%
	<i>Bible. Old Testament</i>	rel txt	3	22	25	12.00%	88.00%
Swift, Jonathan	<i>Gulliver's Travels</i>	no	5	39	44	11.36%	88.64%
Bacon, Francis, Sir	<i>New Atlantis</i>	no	1	9	10	10.00%	90.00%
Kepler, Johannes	<i>Somnium</i>	no	1	9	10	10.00%	90.00%
	<i>Star Trek</i>	med fr	2	25	27	7.41%	92.59%
Homer	<i>Illiad, The</i>	po	1	13	14	7.14%	92.86%
Joyce, James	<i>Ulysses</i>	no	1	14	15	6.67%	93.33%
	<i>Bible. New Testament</i>	rel txt	1	14	15	6.67%	93.33%
Carroll, Lewis	<i>Alice's Adventures in Wonderland</i>	no	1	15	16	6.25%	93.75%

**Table 8.3.e. (continued):
Most Frequently Referenced Primary Works: Number of References Received: % of Formal and Informal References**

PRIMARY AUTHOR Referenced	Primary Work Referenced	Primary Work Type	Formal: # Primary Refs	Informal: # Primary Refs	Total: # Primary Refs	Formal: % Primary Refs	Informal: % Primary Refs
Dante Alighieri	<i>Divine Comedy, The</i>	po	1	15	16	6.25%	93.75%
Shakespeare, William	<i>Hamlet</i>	dr	1	19	20	5.00%	95.00%
Cervantes Saavedra, Miguel	<i>Don Quixote</i>	no	0	10	10	0.00%	100.00%
	<i>Star Wars</i>	med fr	0	10	10	0.00%	100.00%

Note: Based on Tables 7.4.1.3.a. and 7.4.1.3.b.

Note: Work Type Abbreviations: **bk-anth-sf** = book anthology of short fictions edited by primary author; **bk-coll-sf** = book collection of short fictions by that author; **cb** = comic book or graphic novel; **film** = motion picture; **med fr** = media franchise; **no** = novel; **po** = poem; **rel txt** = religious text; **series** = collective title for a series of works; **sf** = short fiction; **tv** = television.

or *Hamlet* (though there *is* the ghost of Hamlet's father to be considered as a potential supernatural/fantastic element).

And, as with the authors, one might argue that some of these works would not suffer were they not to be counted quite as often as they deserve. I would content that these informal references *do count*, and the works *deserve to be counted*, at least in narrowly focused studies such as this one, as they illuminate cultural connections in the scholarly conversation that may be overlooked if we only look at the formal references, mostly in the Works Cited lists of our source documents.

So, *are we counting what counts?*

Perhaps, for some studies, some of the time, maybe even for most studies, most of the time we are counting what counts; the answer might be found in yet another study. One could also ask, is the researcher satisfied that the questions initially asked have been answered? Did the researcher count what is was necessary to count to answer the question(s) asked? Did the researcher discover something new, something interesting? Did the researcher confirm or disprove previous research? Do the readers of the research results (or listeners at the conference paper or panel) consider that the researcher has been careful and thorough in the conduct of the study, within the limits of the questions asked and the data available? Do the readers/listeners have questions about the study that the researcher can, or can't, answer? Do the readers/listeners judge that what was counted *counts*, or do they wish to know more about *what was counted*, and why? Does the researcher contemplate returning to the data for the answer to the readers/listeners question(s)? This researcher thinks that she *counted*

what counts for the purposes of her questions, and she did have the opportunity to return to the data to answer (she hopes) yet another final question from her committee, though she would happily entertain more questions about it from the reader, though *not* any further within the confines of this dissertation.

8.4. *A Dream of Spring: What Might the Future Bring?*

As was noted several times previously, the choices made by the bibliometrician have an effect upon what the data can tell us about the subject documents under examination. What time period do the documents represent? Which aspects of the documents chosen should be studied? How does the bibliometrician code, classify, and rank these elements? Should certain categories of data be collapsed into larger ones, or would such a move obscure interesting, even valuable, facets of the study? Because of the relatively limited number of bibliometric studies of subject areas within the humanities, and of Literature in particular, this study may be considered an interesting, perhaps even significant, contribution to the examination of scholars' information use behaviors and of the effect of these behaviors on scholarly record in a small corner of a larger universe particularly of their use of primary works. In the analysis of informal references, this dissertation expands the typical analysis of references given to the informally referenced items, and hope that the discussion of what counts, especially as regards informal references, is persuasive.

It is a primarily descriptive and historical study of certain aspects of fifty years' worth of a single journal in the area of Fantasy and Science Fiction Studies, a multidisciplinary area centered primarily in the humanities, although there are definitely limitations to what may be inferred from it. It is hoped that the results reported here will be of interest not only to scholars in F&SF Studies, but to librarians and archivists and to others interested in the study and preservation of the historical, literary, and cultural record. The librarians and archivists building and managing collections are likely to be interested in the results of this extended survey of one of the prominent journals in the

fantasy and science fiction scholarly field; perhaps they will even take some of the information into their evidence-based practices in regard to this particular small slice of humanity's cultural creations. Scholars may be interested in what other scholars have been reading and teaching and researching, and editors may still try to steer the spaceship of scholarship, and this data (or Data?) may satisfy some of their curiosity.

While issues of gender, both of scholars and of the primary authors they studied, have been discussed, the equally interesting and equally fraught issue of racial and ethnic backgrounds of both have not been studied. This is not because of lack of interest but because the ability to objectively characterize scholars and primary authors by their personal self-identification on this issue is even more difficult to determine, especially longitudinally, than is that of gender.

Barring the discovery of caches of hitherto unknown medieval literary manuscripts, lost Renaissance drama texts, or other such items, the primary materials of many areas of literary study are generally known and fairly well defined, if not always the objects of current scholarly study. While it may boast a lengthy four millennia long archive of materials for potential study, F&SF scholarship, like other contemporary areas of study, is one whose potential body of primary materials to be studied is constantly growing, thanks to the continuing productivity of those writers, artists, and media-makers who are its primary creators, so any study of it is a snapshot of a few moments in time, always waiting to be looked at again by others.

This dissertating neophyte bibliometrician would have liked also to consider the references given to secondary materials, especially to address both questions of the materials used and of the existence of an invisible college, the more elusive question of

the use of names of individuals or publications without reference to specific works, the acknowledgements made by the scholars to others, perhaps also analyses of the references given in the editorials and reviews in *Extrapolation*. However, this study is already more than lengthy enough to address just the questions covered, that these intriguing additional questions will have to wait some post-dissertation rest and recreation (and reading!).

While it is hoped that this study will offer some understanding of both the formal and the informal-implicit-tacit knowledge expected of scholars in this area through the references given in the article texts, it is hoped that it may provide a basis for future studies of the social network of interactions within this subject area both through similar examinations of other journals and scholarly publications and comparisons and contrasts between *Extrapolation* and these other various publications, and by other means. For an even fuller picture of this area of scholarship, one would need to conduct other qualitative and quantitative studies of scholars, interviews, surveys, social network analyses, examination of conference attendance lists, and so forth, to examine more directly the interpersonal, social, and informal communication aspects of interactions in the field. This current unobtrusive bibliometric study of a piece of the formal scholarly communication system may provide one starting point for such a later quantitative and qualitative examinations.

Coda to the dissertation: I should like to conclude with the thoughts of my late friend and colleague Rob Reginald (in his scholarly endeavors and to his F&SF scholarly friends) and known to his family and employer as Michael “Mike” Burgess who

once put my thoughts and feelings about F&SF scholarship into words more eloquent than mine when he accepted the Science Fiction Research Association's 1993 Pilgrim Award for a lifetime of scholarship:

We should never forget that we are the pioneers, we are the pilgrims of fantastic literature. There is scarcely a person in this room who has not or will not, at some point in his or her career, pen the first critical or biographical or bibliographical work on an SF or fantasy writer. As my Latin teacher would have said, "*Mirabile dictu!*"—"What a marvel to say!" Instead of trodding [sic, treading] the broad boulevards of mainstream literature, we have chosen the byways, the back alleys, the suburbs of criticism, where it is still possible to unearth genuine literary treasures and to make significant observations about them. One hundred, two hundred, three hundred years hence, the critics of the future will be examining *our* works to find the first extended contemporaneous examinations of the writers of this period. In great measure, we have it within our power to shape the literary consciousness of the future. We must not fail this challenge—or the equal challenge of convincing our academic colleagues today of the inherent value of fantastic literature. If the history of literature is any judge, many of the "darlings" so highly touted today will not survive the passing of the century in which they lived; while others not as highly regarded by their contemporaries, including many of our genre writers, will

continue to be read and enjoyed and discussed into the indefinite future. (**Reginald 1993: 10, 2000: 201**; italics in original)

De profundis ad astra!

Appendices

APPENDIX A:

CHRONOLOGY:

Creative and Scholarly F&SF Milestones

- ca. 2500-2100 BCE *Gilgamesh*, or, *Epic of Gilgamesh*, first major known heroic fantasy, created then recorded in cuneiform on clay tablets.
- ca. 8 CE *Metamorphoses*, by Ovid [P. Ovidius Naso].
- ca. 165 *The Golden Ass (Metamorphoseon sive de Asino Aureo Libri XI)*, by Lucius Apuleius
- 1516 *Utopia*, by Sir Thomas More.
- 1690-1698 Madame [Marie-Catherine le Jumel] D'Aulnoy's fairy tale publications.
- 1693-1697 Charles Perrault's fairy tale publications.
- 1812-1815 *Die Kinder- und Häusmarchen*, by Jacob and Wilhelm Grimm published; often translated into English as *Grimm's Fairy Tales*.
- 1818 (January) *Frankenstein; or, The Modern Prometheus*, by Mary Shelley (London: Lackington, Hughes, Harding, Mavor, and Jones); revised edition, 1831 (London: Henry Colburn and Richard Bentley).
- 1863 *Cinq semaines en ballon [Five Weeks in a Balloon; 1869 English trans.]*, by Jules Verne (Paris: Hetzel); the first of the *Voyages extraordinaires [1863-1905]*.
- 1865 *Alice's Adventures in Wonderland*, by 'Lewis Carroll' (Charles Lutwidge Dodgson). (London: Macmillan)
- 1888 (June) *Looking Backward, 2000-1887*, by Edward Bellamy. (Boston: Ticknor)
- 1895 *The Time Machine*, by H. G. Wells. (London: William Heinemann).
- 1897 *War of the Worlds*, by H. G. Wells (*Pearson's Magazine*, April-December 1897; London: William Heinemann).
- 1897 (May) *Dracula*, by Bram Stoker (London: Constable).
- 1902 (1 September) *Le voyage dans la lune*, a film directed by Georges Méliès, first SF movie epic released in France; on 4 October 1902 in USA.

- 1912 (February-July) *A Princess of Mars*, first in the Barsoom series, by Edgar Rice Burroughs, published as “Under the Moons of Mars,” as by Norman Bean, in *All-Story Magazine* (22.2-23.3; February 1912-July 1912); book publication: Chicago: A. C. McClurg, November 1917).
- 1912 (October) *Tarzan of the Apes*, first in the Tarzan series, by Edgar Rice Burroughs, published in *All-Story Magazine* (24.2; October 1912); book publication: Chicago: A. C. McClurg, July 1914.
- 1920 *My*, by Yevgeny Zamiatin (also as: Zamyatin), written; translated and published in English as *We* in 1924 (New York; Dutton).
- 1921 *R. U. R.*, a play by Karel Čapek [Czech], appears, translated into English in 1923, introduces word *robot* [robot].
- 1922 (4 March) *Nosferatu, eine Symphonie des Grauens*, directed by F. W. Murnau opens in Berlin; 3 June 1929 in USA.
- 1923 (May) *Weird Tales*, first major English-language fantasy magazine starts publication; ceased publication 1954 with several intermittent short-lived revivals, 1973 on.
- 1926 (April)-2005, 2014- *Amazing Stories*, first English-language science fiction magazine starts publication.
- 1927 (7 October) *Metropolis*, a film directed by Fritz Lang opens in Germany; 6 March 1927 in USA.
- 1929 (June) First modern use of term ‘science fiction’ by editor Hugo Gernsback in *Science Wonder Stories* (1.1 June 1929: 89); an earlier, isolated instance dates to 1851 per the *Oxford English Dictionary* in *A Little Earnest Book Upon a Great Old Subject*, by William Wilson.
- 1929-1967 *Buck Rogers* comic strip, created by Philip Francis Nowlan, based on his serialized stories beginning with “Armageddon—2419 A.D.” (*Amazing Stories* 3.5 (August 1928)).
- 1930 (May) *The Comet* (later as: *Cosmology*), first science fiction fanzine.
- 1931 (14 February) *Dracula*, directed by Tod Browning, starring Bela Lugosi opens.
- 1931 (21 November) *Frankenstein*, directed by James Whale, starring Boris Karloff opens.
- 1932 *Brave New World*, by Aldous Huxley (London: Chatto & Windus).

- 1932 (7 November) *Buck Rogers in the Year 2432*, debut on WABC of “first ‘hardcore’ SF series on radio” (Clute and Nicholls 1993: 988).
- 1934 James O. Bailey’s dissertation, *Scientific Fiction in English, 1817-1914: A Study of Trends and Forms* (University of North Carolina, Chapel Hill); later revised and published (1947) as *Pilgrims of Space and Time*, inspiring the name of SFRA’s Pilgrim Award. Bailey is called “the first scholar to recognize the significance of science fiction, both for itself and for its relationship to the main body of twentieth century literature” (Clareson 2000 [1971]: 16).
- 1937 (21 September) *The Hobbit, or There and Back Again*, by J. R. R. Tolkien (London: Allen & Unwin).
- 1938 *Superman* debuts in *Action Comics*, created by Jerry Siegel and Joe Shuster.
- 1938 (30 October) *War of the Worlds* radio broadcast, part of the Mercury Theatre on the Air produced by and starring Orson Welles, based on the novel by H. G. Wells.
- 1939 (2-4 July) Nycon I, the first World Science Fiction Convention (WorldCon), in New York City with an attendance of approximately 200; the 76th (2018) was in San Jose, California, the 77th (2019) in Dublin, Eire, the 78th (2020; CoNZealand) will be in Wellington, New Zealand, and the 79th (2021; DisCon III) in Washington, DC.
- 1945 *Animal Farm: A Fairy Story*, by George Orwell (London: Secker & Warburg).
- 1948 *The Checklist of Fantastic Literature: A Bibliography of Fantasy, Weird and Science Fiction Books Published in the English Language*, by E. F. Bleiler (Chicago: Shasta); revised in 1978 as *The Checklist of Science-Fiction and Supernatural Fiction* (Glen Rock, NJ: Firebell).
- 1948 Earliest discovered thesis or dissertation to mention ‘science fiction’ in its title: *Science Fiction in the Tales of Edgar Allan Poe*, by Elizabeth George Morris (U So Carolina; MA, English); the second was *Modern Science Fiction*, by James Gunn (U Kansas, 1951; MA, English), a writer, scholar, and professor. Earlier theses and dissertations spoke of scientific fiction, the scientific spirit, or the pseudo-scientific in literature.
- 1949 *1984*, by George Orwell (London: Secker & Warburg).
- 1949 (27 June) *Captain Video*, US television serial debuts; first SF on TV.
- 1950 Earliest discovered library-oriented thesis or dissertation on science fiction or fantasy: *Fantasy, 1900-1949: A Representative Bibliography, An Annotated List of 100 Novels, Plays, and Short Story Collections Published Between 1900 and*

- 1949, and Available in English, by Lisabeth M. Feind (Drexel Institute of Technology; MSLS).
- 1953 (September) Hugo Awards, the Science Fiction Achievement Awards, first presented at the 11th World SF Convention, PhilCon II in Philadelphia, PA; presented annually since 1955.
- 1953 (September) First known collegiate extension course on science fiction, City College of New York, taught by Sam Moskowitz and Robert E. Frazier.
- 1954-1955 *The Lord of the Rings*: v. 1: *The Fellowship of the Ring*; v. 2: *The Two Towers*; v. 3: *The Return of the King*, by J. R. R. Tolkien (London: Allen & Unwin).
- 1955 (Spring) Science Fiction Collection of the late Richard W. Clarkson (Class of 1956) donated to Harvard University; first recognized academic collection of science fiction.
- 1956 (15 March) *Forbidden Planet*, directed by Fred McLeod Wilcox released in USA.
- 1958 (29 December, 11:30 a. m.-12:45 p. m.; Hotel Statler, New York City, NY) Conference (later, Seminar) on Science-Fiction, a section of the Modern Language Association of America. First scholarly meeting devoted to science fiction; the discussion topic was "The Significance of Science Fiction" with Professor Thomas D. Claerson, College of Wooster [Ohio] as discussion leader.
- 1959 (5, 12, 19 February; 5, 12, 19 March) Kingsley Amis presents the Christian Gauss Seminar in Criticism lectures at Princeton University on the subject of science fiction; the lectures became his *New Maps of Hell: A Survey of Science Fiction* (1960).
- 1959 (December) *Extrapolation* founded, first academic journal devoted to science fiction, initially serving as the newsletter of the MLA Conference on Science Fiction.
- 1960 (16 March) *New Maps of Hell: A Survey of Science Fiction*, by Kingsley Amis (NY: Harcourt, Brace). ("Books" 1960: 34).
- 1961/62 First science fiction courses offered as part of regular college curricula, at Colgate University (Hamilton, NY), taught by Professor Mark R. Hillegas, and at Stanford University (Palo Alto, CA), taught by Professor H. Bruce Franklin.
- 1964 Professor Glenn Negley donates first utopian volumes to the Duke University Library, Durham, NC, that will ultimately become the Negley Collection of Utopian Literature (Fitting 2009: 124).

- 1965 (Spring) Midwest Conference on Literature, History, Popular Culture and Folklore, held at Purdue University, the first separate scholarly conference devoted to popular culture.
- 1966 Nebula Awards, the awards of the Science Fiction Writers of America (now, Science Fiction and Fantasy Writers of America); presented annually.
- 1966 (8 September) *Star Trek* television series debuts.
- 1967 (Summer) *Journal of Popular Culture* founded.
- 1967 (October) Mythopoeic Society formed by Glen H. Goodknight in Southern California.
- 1968 (6 April) *2001: A Space Odyssey*, directed by Stanley Kubrick, debuts.
- 1969 Collection of the late Dr. J. Lloyd Eaton acquired by University of California, Riverside Library; currently the world's largest academic collection of F&SF materials.
- 1969 (1 March) First Conference on the Bibliography of Science Fiction held Harkness Theater, at Columbia University (New York City).
- 1969 (October) Secondary Universe II, U of Wisconsin, Green Bay, the first separate conference devoted wholly to science fiction and fantasy held under academic auspices. Secondary Universe I was held in 1968 under Student Activities Committee sponsorship at U of Wisconsin, Madison.
- 1969 (January) *Mythlore*, founded as a fanzine devoted to studies of the Inklings (J. R. R. Tolkien, C. S. Lewis, Charles Williams, etc.); later evolved into a scholarly journal.
- 1970 (4-7 September) MythCon, Mythopoeic Society annual conference founded.
- 1970 (16-18 October) Science Fiction Research Association (SFRA) formed during the third Secondary Universe Conference, held at Queensborough Community College, Bayside, NY, and chaired by Prof. Virginia Carew. SFRA is the first "professional organization devoted to the study of science fiction and fantasy and film".
- 1970 (17 October) Pilgrim Award (Science Fiction Research Association), for distinguished contributions to the study of SF, first presented at the SFRA's inaugural annual meeting; presented annually since 1970.
- 1971 Science Fiction Foundation (UK) formed.

- 1971 (8-10 April) Popular Culture Association held first national meeting at Michigan State University.
- 1971 Science Fiction Foundation Collection founded at North East London Polytechnic; now housed at the University of Liverpool Library.
- 1971 Mythopoeic Scholarship Award, later renamed as the Mythopoeic Scholarship Award in Inklings Studies (Mythopoeic Society); presented annually from 1971.
- 1972 SFRA Committee on Library Resources founded; activities suspended 1979.
- 1972 (March) *Foundation: The International Review of Science Fiction* founded in the UK.
- 1973 The Tolkien Society of America, founded February 1965 by Richard D. Plotz, merges with the Mythopoeic Society.
- 1973 (Spring) *Science Fiction Studies* founded.
- 1975 World Fantasy Awards, presented by the World Fantasy Convention, first presented; presented annually.
- 1976 *Anatomy of Wonder*, ed. Neil Barron, published (NY: Bowker); subsequent editions published by Bowker in 1981, 1987, 1995, and by Libraries Unlimited in 2004.
- 1976 Society for Utopian Studies formed.
- 1977 (25 May) *Star Wars*, directed by George Lucas, debuts in USA; later re-released under the title *Star Wars IV: A New Hope*.
- 1977 (June) *Science Fiction: A Review of Speculative Fiction* founded in Australia.
- 1979 (24-25 February) Eaton Conference inaugurated at the University of California Riverside.
- 1979 (February) J. Lloyd Eaton Memorial Award for best critical book established; first presented by the Eaton Conference for an outstanding work of SF criticism.
- 1980 First Eaton Curator George Slusser, Professor of Comparative Literature, University of California, Riverside, appointed; later emeritus (2005).
- 1980-1990 *Alternatives*, scholarly monographic series devoted to SF, published by Southern Illinois University Press

- 1980 (19-22 March) International Conference on the Fantastic in the Arts inaugurated in Boca Raton, FL; held annually.
- 1982-2005 *Contributions to the Study of Science Fiction and Fantasy*, scholarly monographic series, published by Greenwood Press, later Praeger Publishers.
- 1982 International Association of the Fantastic in the Arts formed.
- 1984 (July) *Neuromancer*, by William Gibson (NY: Ace).
- 1986-1987 *Watchmen*, graphic novel by Alan Moore and Dave Gibbons.
- 1986 IAFA Distinguished Scholarship Award, a career award; given annually..
- 1987 IAFA Graduate Student Award, an award and stipend for most outstanding graduate student paper submitted to the annual conference, given annually.
- 1987 Arthur O. Lewis Award (Society for Utopian Studies) for the best paper by a younger scholar; given annually.
- 1988 *Journal of the Fantastic in the Arts* founded.
- 1990 Pioneer Award (Science Fiction Research Association) for best critical essay; given annually.
- 1990 Eugenio Battisti Award (Society for Utopian Studies) for the best article published in the previous year in *Utopian Studies*; presented annually.
- 1990 *Utopian Studies* journal founded by the Society for Utopian Studies; preceded by, then published in parallel with, four numerical in three physical anthology volumes also called *Utopian Studies* and numbered 1 (1987), II (1989), III/IV (1991) and published by the University Press of America for the Society.
- 1992 Mythopoeic Scholarship Award for General Myth and Fantasy Studies (Mythopoeic Society) inaugurated; given annually.
- 1993 Science Fiction Foundation and its Library move to University of Liverpool from the University of East London, formerly North East London Polytechnic.
- 1994-date *Liverpool Science Fiction Studies and Texts*, scholarly monographic series, established by Liverpool University Press.
- 1997 Lyman Tower Sargent Award for Distinguished Scholarship (Society for Utopian Studies) first presented; given on an irregular basis.
- 1999 *FemSpec* founded.

- 1999 Graduate Student Paper Award (Science Fiction Research Association) founded; given annually.
- 1999-2015 *Bison Frontiers of Imagination* series of science fiction and fantasy fiction and occasional non-fiction works established by University of Nebraska Press.
- 2001-2016 *Early Classics of Science Fiction* series of SF fictional and non-fiction works inaugurated by Wesleyan University Press.
- 2001 Foundation Essay Prize (Science Fiction Foundation) first presented; competitions held on an irregular basis.
- 2001 (10 December) *The Lord of the Rings: The Fellowship of the Rings*, dir. By Peter Jackson, based on the novel by J. R. R. Tolkien premieres in the UK; 19 December 2001 in USA; later followed by: *The Lord of the Rings: The Two Towers* (5 December 2002 premiere in USA), and *The Lord of the Rings: The Return of the King* (1 December 2003 premiere in New Zealand; 17 December 2003 in USA).
- 2003 (November) MLA Science Fiction, Utopian, and Fantastic Literature online group formed; activity ceases 2007.
- 2004 *Tolkien Studies*, established by West Virginia University Press; published annually.
- 2005-date *Critical Explorations in Science Fiction and Fantasy*, scholarly monographic series, inaugurated by McFarland.
- 2005-2013 *Beyond Armageddon* series of science fiction works established by University of Nebraska Press.
- 2007 Center for Ray Bradbury Studies established at Indiana University-Purdue University Indianapolis.
- 2008-date *The New Ray Bradbury Review*, an irregular series, publishes first volume under the sponsorship of the Center for Ray Bradbury Studies, Indiana University-Purdue University Indianapolis.
- 2008 (Spring) *Science Fiction Film and Television* founded.
- 2008 Jamie Bishop Memorial Award for an Essay Not in English (IAFA), a monetary prize and one year's free membership in IAFA; given.

- 2009 (30 April) First annual *Science Fiction Studies* Symposium presented at the Special Collections reading room of the Library, University of California, Riverside; culminates with fifth Symposium in 2015. (Latham 2016)
- 2009 (30 April) Mullen Research Fellowships announced to begin with the 2009/10 academic year; a fellowship program endowed by *Science Fiction Studies* in the name of founding editor R. Dale Mullen to “support graduate students doing research in the Eaton Collection at the Library of the University of California, Riverside”; later expanded to support research in other appropriate archives (Latham 2009b; *Science Fiction Studies* n.d.)
- 2010 Kenneth M. Roemer Innovative Course Design Award (Society for Utopian Studies) inaugurated.
- 2013 (Fall) Science Fiction and Technoculture Studies (SFTS) program launched at the University of California, Riverside, along with a new designated emphasis Science Fiction Ph.D program; later renamed Speculative Fictions and Cultures of Science, with an added undergraduate minor. (E. Brown 2013; B. Miller 2013; “Welcome” n.d.)
- 2014-date *Contributions to Zombie Studies*, scholarly monographic series, created by McFarland.
- 2018 (May) Science Fiction and Fantasy MA course, Anglia Ruskin University, commences.
- 2019 (December) China Science Fiction Research Institute established by Sichuan University, the Sichuan Association for Science and Technology, and *Science Fiction World* magazine.

**APPENDIX B:
Fantasy & Science Fiction Scholarly Awards and Awardees**

Note: Names of awardees with an *Extrapolation* connection, 1959-2009, are presented in ***bold italics***. If finalists, semi-finalists, honorable mentions, or other special, non-winning designations were announced, they are included in this list, but they are not included in any numerical summations in the main text.

INTERNATONAL ASSOCIATION FOR THE FANTASTIC IN THE ARTS

IAFA Distinguished Scholarship Award

Purpose: This is a career award recognizing distinguished contributions to the scholarship and criticism of the fantastic.

Year	Winner
1986	<i>Aldiss, Brian W.</i>
1987	<i>Stableford, Brian</i>
1988	<i>Hume, Kathryn</i>
1989	<i>Manlove, C. N.</i>
1990	<i>Franklin, H. Bruce</i>
1991	<i>Attebery, Brian</i>
1992	Zipes, Jack
1993	Varma, Devendra P., Sir
1994	Flannery, James
1995	Hunt, Peter
1996	Shippey, T. A.
1997	<i>Hayles, N. Katherine</i>
1998	<i>Wolfe, Gary K.</i>
1999	Clute, John
2000	Auerbach, Nina
2001	<i>Landon, Brooks</i>
2002	McGillis, Roderick
2003	<i>Joshi, S. T.</i>
2004	Souto, Marcial
2005	Broderick, Damien
2006	Inge, M. Thomas
2007	<i>Donawerth, Jane</i>
2008	<i>Luckhurst, Roger</i>
2009	Nikolajeva, Maria
2010	<i>Tatsumi, Takayuki</i>
2011	Hairston, Andrea
2012	Cohen, Jeffrey, Jerome
2013	Penley, Constance
2014	Csicsery-Ronay, Istvan, Jr.
2015	Milburn, Colin
2016	Bacchilega, Cristina
2017	<i>James, Edward</i>
2018	Botting, Fred
2019	<i>Bould, Mark</i>

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

David G. Hartwell Emerging Scholar Award

Purpose: This is an annual award and stipend to the graduate student submitting the most outstanding paper at the Association's conference. Prior to the 2016 renaming, it was called the IAFA Graduate Student Award.

Year	Winner
1987	<i>Hollinger, Veronica</i>
1988	Bartlett, Sally
1989	Collins, Michael
1990	Zhu, Jianjiong
1991	<i>Latham, Rob</i>
1992	King, Maureen
1992	Rovano, Marcelaine Wininger
1993	Calfee-Moye, Robin
1994	Francis, Diana Pharoah
1994	<i>Hanson, Carter F.</i>
1995	Watson, Greer
1996	Hollander, Joel A.
1997	Nyberg, Suzanna
1998	Irvine, Alexander C.
1999	Vasey, Ann
2000	<i>Sandner, David</i>
2001	Dawson, Janis
2002	Tal, Eve
2002	Fuller, Sarah Canfield
2003	<i>Horstkotte, Martin</i>
2004	Long, Rebekah
2005	<i>Mains, Christine</i>
2006	Malcolm-Clarke, Darja
2007	Landon, Richard
2008	Bechtel, Greg
2009	Fawver, Kurt
2010	McManus, Elizabeth
2011	DeCicco, Mark
2012	Miller, Timothy S.
2013	Bausman, Cassandra
2014	Kurtz, Malisa
2015	Evans, Taylor
2016	Carroll, Jordan S.
2017	Dempsey, Grant
2018	Shermeyer, Kelli
2019	Bhat, Sheetala

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Jamie Bishop Memorial Award for an Essay Not in English

Purpose: This is a prize for a critical essay on the fantastic written in a language other than English.

Year	Winner
2007	Abraham, Carlos
2008	Cóceres, María Beatriz
2009	<i>Klapcsik, Sandor</i>
2010	Brescia, Pablo
2011	Steimberg, Alejo
2012	Arán, Pampa Olga
2012	<i>Toledano Redondo, Juan Carlos</i> [finalist]
2012	Beaulé, Sophie [semi-finalist]
2012	Suppia, Alfredo [semi-finalist]
2013	De Rosso, Ezequiel
2013	<i>Frelik, Pawel</i> [finalist]
2013	Martín Rodríguez, Mariano [finalist]
2013	Moreno, Fernando Ángel [semi-finalist]
2014	Cuntz-Leng, Vera
2014	Leppälahti, Merja [finalist]
2014	Landais, Clotilde [semi-finalist]
2015	Moreno, Fernando Ángel
2015	Peregrina, Mikel
2015	Bermúdez Antúnez, Steven
2015	Beaulé, Sophie [finalist]
2015	López Pellisa, Teresa [finalist]
2015	Noguerol, Francisca [finalist]
2016	Vas-Deyres, Natacha
2016	Bergeron, Patrick
2016	Chattopadhyay, Bodhisattva [honorable mention]
2017	Dalton, David
2017	Ares, Sylvia Kurlat [finalist]
2017	<i>Toledano [Redondo], Juan C[arlos]</i> [finalist]
2017	Sommerfeld, Kaitlin R. [finalist]
2018	Li, Guangyi
2018	Cano, Luis [finalist]
2018	Koistinen, Anio-Kaisa [finalist]
2018	Määttä, Jerry [finalist]
2019	Cabiati, Alessandro
2019	Litwinowicz, Zofia [finalist]
2019	<i>Toledano Redondo, Juan C[arlos]</i> [finalist]

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

**Walter James Miller Memorial Award for Student
Scholarship in the International Fantastic**

Purpose: This annual award is given to the author of the best ICFA student paper devoted to a work or works of the fantastic originally created in a language other than English; it must demonstrate the author's command of the relevant linguistic, national, and cultural contexts of the work(s) discussed.

Year	Winner
2015	García Londoño, Andrés
2016	Eager, Kristy
2017	Yoshinaga, Ida
2018	Behravesch, Peter Adrian
2019	No Award

Robert A. Collins Service Award

Purpose: This award, named after the conference's founder (who was also its first recipient), is a special award presented to an officer, board member, or division head for outstanding service to the organization.

Year	Winner
1985	Collins, Robert A.
1986	Schlobin, Roger C.
1989	Tymn, Marshall B.
1990	Morse, Donald E.
1996	Palumbo, Donald
2002	Senior, William A.
2002	Sullivan, C. W., III
2006	Nelson, Charles W.
2008	Hatfield, Katy
2008	Hatfield, Len
2013	Hartwell, David G.
2016	Duncan, Sydney
2017	Clemente, Bill
2018	Wolfe, Gary K.
2019	Collins, Judith

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Stephen R. Donaldson Award

Purpose: This is a special award recognizing exceptional support and service to the organization from individuals who have not served as officers, board members, or division heads; presented irregularly.

Year	Winner
1997	Donaldson, Stephen R.
1998	Krueger-Printz, Jillian
2006	Boehm, Carl
2006	Wilber, Rick
2011	Doherty, Tom
2012	McMullen-Pettit, Carol
2015	Berlant, Joe

Note: The IAFA also presents the IAFA William L. Crawford Fantasy Award for an outstanding new writer whose first fantasy book was published during the previous year and the Dell Magazines Award for Undergraduate Excellence in SF and Fantasy Writing. Since these are for creative works, and not scholarship, they are not listed here.

J. LLOYD EATON CONFERENCE

J. Lloyd Eaton Memorial Award

Purpose: This is an award for best critical book.

Year	Winner & Book
1977	Carter, Paul A. <i>The Creation of Tomorrow: Fifty Years of Magazine Science Fiction</i> . 1977.
1978	Brosnan, John. <i>Future Tense: The Cinema of Science Fiction</i> . 1978.
1979	Wolfe, Gary K. <i>The Known and the Unknown: The Iconography of Science Fiction</i> . 1979.
1980	Franklin, H. Bruce. <i>Robert A Heinlein: America as Science Fiction</i> . 1980.
1982	Huntington, John. <i>The Logic of Fantasy</i> . 1982.
1983	Rose, Mark. <i>Alien Encounters</i> . 1981.
1983	Greenland, Colin. <i>The Entrophy Exhibition: Michael Moorcock and the British 'New Wave' in Science Fiction</i> . 1983.
1984	Hume, Kathryn. <i>Fantasy and Mimesis</i> . 1984.
1985	Clareson, Thomas D. <i>Some Kind of Paradise</i> . 1985.
1985	Stableford, Brian. <i>Scientific Romance in Britain: 1890-1950</i> . 1985.
1986	Aldiss, Brian W. , with David Wingrove. <i>Trillion Year Spree</i> . 1986.
1987	Alkon, Paul. <i>Origins of Futuristic Fiction</i> . 1987.
1988	Evans, Arthur B. <i>Jules Verne Rediscovered</i> . 1988.
1989	Brown, Charles N. & Contento, William G. <i>Science Fiction, Fantasy, & Horror: 1988</i> . 1989.
1990	Guthke, Karl. <i>The Last Frontier: Imagining Other Worlds</i> . 1990.
1991	Hassler, Donald M. <i>Isaac Asimov</i> . 1991.
1993	Potts, Stephen. <i>The Second Marxian Invasion: The Fiction of Arkady and Boris Strugatsky</i> . 1991.
1994	Bozzetto, Roger. <i>L'Obscur objet d'un savoir</i> . 1992.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

1995	Berger, Albert I. <i>The Magic That Works: John W. Campbell and the American Response to Technology</i> . 1993.
1996	James, Edward . <i>Science Fiction in the Twentieth Century</i> . 1994.
1997	Parrinder, Patrick. <i>Shadows of the Future</i> . 1995.
1999	Clute, John & Grant, John , eds. <i>The Encyclopedia of Fantasy</i> . 1997.
2001	Hayles, N. Katherine . <i>How We Became Posthuman</i> . 1999.

Milford Award

Purpose: This award is for lifetime achievement in SF publishing and editing.

Year	Winner
1980	Wollheim, Donald A.
1981	Silverberg, Robert
1982	del Rey, Judy-Lyn & del Rey, Lester
1983	Carr, Terry
1984	Ferman, Edward L.
1985	Dikty, Thaddeus E.
1986	Ellison, Harlan
1987	Gold, H. L.
1988	Eshbach, Lloyd Arthur
1989	Greenberg, Martin H.
1990	Hartwell, David G.
1991	Merril, Judith
1992	Ballantine, Ian & Ballantine, Betty
1993	No award
1994	Underwood, Tim & Miller, Chuck
1995	Pohl, Frederik
1996	Philmus, Robert M. & Mullen, R. D.
1997	Pringle, David

J. Lloyd Eaton Conference Lifetime Achievement Award

Purpose: Recognition of a lifetime of achievement in fantasy and science fiction.

Year	Winner
1982	Gunn, James
1995	Clute, John & Peter Nicholls [Grand Master Award]
2008	Bradbury, Ray
2009	Pohl, Frederik
2010	Delany, Samuel R.
2011	Ellison, Harlan
2012	Le Guin, Ursula K.
2013	Harryhausen, Ray
2013	Lee, Stan

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

MYTHOPOEIC SOCIETY

Mythopoeic Scholarship Award in Inkling Studies

Purpose: The award is given to books on J. R. R. Tolkien, C. S. Lewis, and/or Charles Williams that make significant contributions to Inklings scholarship. For this award, books first published during the previous three years are eligible, including finalists for previous years. Originally entitled the Mythopoeic Scholarship Award, the "in Inkling Studies" was added with the 1993 Award with the inauguration of the Mythopoeic Scholarship Award in Myth & Fantasy Studies (see below).

Year	Winner & Book
1971	Kilby, C.S.
1971	Shideler, Mary McDermott
1972	Hooper, Walter
1973	Kocher, Paul H. <i>Master of Middle-earth</i> . 1972.
1974	Lindskoog, Kathryn. <i>C. S. Lewis, Mere Christian</i> . 1973.
1975	Green, Roger Lancelyn & Hooper, Walter. <i>C. S. Lewis: A Biography</i> . 1974.
1976	West, Richard C. <i>Tolkien Criticism</i> . 1970.
1976	Christopher, Joe R. & Ostling, Joan K. <i>C. S. Lewis, An Annotated Checklist</i> . 1973.
1976	Glenn, Lois. <i>Charles W. S. Williams, A Checklist</i> . 1975.
1977-1981	No awards
1982	Carpenter, Humphrey. <i>The Inklings</i> . 1979.
1983	Ford, Paul F. <i>Companion to Narnia</i> . 1980.
1984	Shippey, T. A. <i>The Road to Middle-earth</i> . 1982.
1985	Schakel, Peter J. <i>Reason and Imagination in C. S. Lewis</i> . 1984.
1986	Cavaliero, Glen. <i>Charles Williams, Poet of Theology</i> . 1983.
1987	Purtill, Richard. <i>J. R. R. Tolkien: Myth, Morality and Religion</i> . 1985.
1988	Christopher, Joe R. <i>C. S. Lewis</i> . 1987.
1989	Tolkien, Christopher, ed. Tolkien, J. R. R. <i>The Return of the Shadow</i> . Ed. By Christopher Tolkien. 1989.
1990	Anderson, Douglas A., ed. Tolkien, J. R. R. <i>The Annotated Hobbit</i> . Ed. By Douglas A. Anderson. 1988.
1991	Sayer, George. <i>Jack: C. S. Lewis and His Times</i> . 1988.
1992	Schakel, Peter J. & Huttar, Charles A., eds. <i>Word and Story in C. S. Lewis</i> . 1991.
1993	Downing, David C. <i>Planets in Peril: A Critical Study of C. S. Lewis's Ransom Trilogy</i> . 1992.
1994	Hammond, Wayne G., with the assistance of Douglas A. Anderson. <i>J. R. R. Tolkien: A Descriptive Bibliography</i> . 1993.
1995	Myers, Doris T. <i>C. S. Lewis in Context</i> . 1994.
1996	Hammond, Wayne G. & Scull, Christina. <i>J. R. R. Tolkien: Artist and Illustrator</i> . 1995.
1997	Huttar, Charles A. & Schakel, Peter, eds. <i>The Rhetoric of Vision: Essays on Charles Williams</i> . 1996.
1998	Flieger, Verlyn. <i>A Question of Time: J. R. R. Tolkien's Road to Faërie</i> . 1997.
1999	Hooper, Walter. <i>C. S. Lewis: A Companion and Guide</i> . 1996.
2000	Scull, Christina & Hammond Wayne G., eds. Tolkien, J. R. R. <i>Roverandom</i> . Ed. By Christina Scull and Wayne G. Hammond. 1998.

APPENDIX B (continued): Science Fiction & Fantasy Scholarly Awards and Awardees	
2001	Shippey, Tom. <i>J. R. R. Tolkien: Author of the Century</i> . 2000.
2002	Flieger, Verlyn & Hostetter, Carl F., eds. <i>Tolkien's Legendarium: Essays on the History of Middle-earth</i> . 2000.
2003	Drout, Michael D., ed. Tolkien, J. R. R. <i>Beowulf and the Critics</i> . Ed. By Michael D. C. Drout. 2002.
2004	Garth, John. <i>Tolkien and the Great War: The Threshold of Middle-earth</i> . 2004.
2005	Cross, Janet Brennan. <i>War and the Works of J. R. R. Tolkien</i> . 2004.
2006	Hammond, Wayne G. & Scull, Christina. <i>The Lord of the Rings: A Reader's Companion</i> . 2005.
2007	Hammond, Wayne G. & Scull, Christina. <i>The J. R. R. Tolkien Companion and Guide</i> . 2003.
2008	Glyer, Diana Pavlac. <i>The Company They Keep: J. R. R. Tolkien and C. S. Lewis as Writers in Community</i> . 2006.
2009	Rateliff, John. <i>The History of the Hobbit. Part One: Mr. Baggins; Part Two: Return to Bag-end</i> . 2007.
2010	Fimi, Dimitra. <i>Tolkien, Race, and Cultural History: From Fairies to Hobbits</i> . 2009.
2011	Ward, Michael. <i>Planet Narnia: The Seven Heavens in the Imagination of C. S. Lewis</i> . 2008.
2012	Phelpstead, Carl. <i>Tolkien and Wales: Language, Literature and Identity</i> . 2011.
2013	Flieger, Verlyn. <i>Green Suns and Faërie: Essays on J. R. R. Tolkien</i> . 2011.
2014	Fisher, Jason, ed. <i>Tolkien and the Study of His Sources: Critical Essays</i> . 2011.
2015	Boenig, Robert. <i>C. S. Lewis and the Middle Ages</i> . 2012.
2016	Lindop, Grevel. <i>Charles Williams: The Third Inkling</i> . 2015.
2017	Zaleski, Philip & Zaleski, Carol. <i>The Fellowship: The Literary Lives of J. R. R. Tolkien, C. S. Lewis, Owen Barfield, Charles Williams</i> . 2015.
2018	Higgins, Sørina, ed. <i>Inklings and King Arthur, The: J. R. R. Tolkien, Charles Williams, C. S. Lewis, and Owen Barfield on the Matter of Britain</i> . 2017.
2019	Flieger, Verlyn. <i>There Would Always Be a Fairy Tale: More Essays on Tolkien</i> . 2017.
Mythopoeic Scholarship Award for General Myth and Fantasy Studies	
<i>Purpose:</i> The award is given to scholarly books on other specific authors in the Inklings tradition, or to more general works on the genres of myth and fantasy. The period of eligibility, as for the Inklings Studies award, is books first published during the previous three years, including finalists for previous years.	
Year	Winner & Book
1992	Filmer, Kath , ed. <i>The Victorian Fantasists</i> . 1991.
1993	Attebery, Brian . <i>Strategies of Fantasy</i> . 1992.
1994	Filmer, Kath , ed. <i>Twentieth-Century Fantasists: Essays on Culture, Society and Belief in Twentieth-Century Mythopoeic Literature</i> . 1994.
1995	King, James Roy. <i>Old Tales and New Truths: Charting the Bright-Shadow World</i> . 1992.
1996	Warner, Marina. <i>From the Beast to the Blonde: On Fairy Tales and Their Tellers</i> . 1994
1997	Kuznets, Lois Rostrow. <i>When Toys Come Alive: Narratives of Animation, Metamorphosis, and Development</i> . 1994.
1998	Clute, John & Grant, John , eds. <i>The Encyclopedia of Fantasy</i> . 1997.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

1999	White, Donna R. <i>A Century of Welsh Myth in Children's Literature</i> . 1998.
2000	Silver, Carole G. <i>Strange and Secret Peoples: Fairies and Victorian Consciousness</i> . 1998.
2001	Lupack, Alan & Lupack, Barbara Tapa. <i>King Arthur in America</i> . 1999.
2002	Murphy, G. Ronald. <i>The Owl, the Raven & the Dove: The Religious Meaning of the Grimms' Magic Fairy Tales</i> . 2000.
2003	Anderson, Graham. <i>Fairytale in the Ancient World</i> . 2000.
2004	Lawrence, John Shelton & Jewett, Robert. <i>The Myth of the American Superhero</i> . 2002.
2005	Knight, Stephen Thomas. <i>Robin Hood: A Mythic Biography</i> . 2003.
2006	Schacker, Jennifer. <i>National Dreams: The Remaking of Fairy Tales in Nineteenth-Century England</i> . 2003.
2007	Murphy, G. Ronald, S. J. <i>Gemstone of Paradise: The Holy Grail in Wolfram's <i>Parzival</i></i> . 2006.
2008	Shippey, T. A., ed. <i>The Shadow-Walkers: Jacob Grimm's Mythology of the Monstrous</i> . 2005.
2009	Butler, Charles. <i>Four British Fantasists: Place and Culture in the Children's Fantasy of Penelope Lively, Alan Garner, Diana Wynne Jones, and Susan Cooper</i> . 2006.
2010	Oziewicz, Marek. <i>One Earth, One People: The Mythopoeic Fantasy Series of Ursula K. LeGuin, Lloyd Alexander, Madeleine L'Engle and Orson Scott Card</i> . 2008.
2011	Sumpter, Caroline. <i>The Victorian Press and the Fairy Tale</i> . 2008.
2012	Zipes, Jack. <i>The Enchanted Screen: The Unknown History of Fairy-Tale Films</i> . 2011.
2013	Brown, Nancy Marie. <i>Song of the Vikings: Snorri and the Making of Norse Myths</i> . 2012.
2014	Murphy, G. Ronald. <i>Tree of Salvation: Yggdrasil and the Cross in the North</i> . 2013.
2015	Attebery, Brian . <i>Stories About Stories: Fantasy and the Remaking of Myth</i> . 2014.
2016	Williamson, Jamie. <i>The Evolution of Modern Fantasy: From Antiquarianism to the Ballantine Adult Fantasy Series</i> . 2015.
2017	Green, Richard Firth. <i>Elf-Queens and Holy Friars: Fairy Beliefs and the Medieval Church</i> . 2016.
2018	Levy, Michael & Mendlesohn, Farah . <i>Children's Fantasy Literature: A Introduction</i> . 2016.
2019	Fimi, Dimitra. <i>Celtic Myth in Contemporary Children's Fantasy: Idealization, Identity, Ideology</i> . 2017.

Note: The Mythopoeic Society also presents the Mythopoeic Fantasy Awards for Adult Literature and Children's Literature. Since these are for creative works, and not scholarship, they are not listed here.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

SCIENCE FICTION FOUNDATION

Foundation Essay Prize

Purpose: Unpublished essay submitted should be approximately 6,000 words on "any topic, period, theme, author, film or other media within the field of science fiction and its academic study" and written by a post-graduate research student or early career researcher (to five years post-PhD) who are not yet in a full-time or tenured position. Winning essay will be published in a subsequent issue of *Foundation*.

Year	Winner & Essay
2001	Pearson, Wendy. "Science Fiction as Pharmacy: Plato, Derrida, Ryman." <i>Foundation: The International Review of Science Fiction</i> 31.86 (Autumn 2002): 65-75.
2002	Wolf-Meyer, Matthew. "Technics, Memes, Ideology: The Affirmation of Lies and the Pursuit of the Future." <i>Foundation: The International Review of Science Fiction</i> 32.90 (Spring 2004): 44-57.
2003	No competition
2004	Throesch, Elizabeth. "Engendering New Perspectives and Envisaging New Space: The Early Work of 'Scientific Romancer' Charles Howard Hinton." Pub'd as: "Charles Howard Hinton's Fourth Dimension and the Phenomenology of the Scientific Romances (1884-1886). <i>Foundation: The International Review of Science Fiction</i> 36.99 (Spring 2007): 29-48.
2005	LeBlanc, Michael. "Beyond Science Fiction: Judith Merrill and Isaac Asimov's Quest to Save the Future." <i>Foundation: The International Review of Science Fiction</i> 35.98 (Autumn 2006): 59-73.
2006	McCann, Jolene. "Establishing 'the library of a lift up literature: Judith Merrill's Spaced Out Library'" published as Judith Merrill's Spaced Out Library." <i>Foundation: The International Review of Science Fiction</i> 37.102 (Spring 2008): 15-29.
2007	No competition
2008	Bourget, Jason. "Biological Determinism, Masculine Politics and the Failure of Libertarianism in Robert A. Heinlein's The Moon is a Harsh Mistress." <i>Foundation: The International Review of Science Fiction</i> 37.104 (Winter 2008): 10-22.
2009-2010	No competitions
2011	Pak, Chris. "'A Fantastic Reflex of Itself, An Echo, A Symbol, A Myth, A Crazy Dream': Terraforming as Landscaping Nature's Otherness in H. G. Wells's The Shape of Things to Come and Olaf Stapledon's Last and first Men and Star Maker." <i>Foundation: The International Review of Science Fiction</i> 40.111 (Spring 2011): 14-31.
2011	Klapcsik, Sandor. "Cannibalizing 'Ancient' Technologies and Art Forms: William Gibson's Utiliation of Avant-Garde and Art Deco." <i>Foundation: The International Review of Science Fiction</i> 40.111 (Spring 2011): 32-51. [runner up; special citation]
2012-2015	No competition
2016	Middleton, Selena. "Utopia and the Colonized Pastoral: Africa, Myth and Blackness in Greg Bear's Queen of Angels." <i>Foundation: The International Review of Science Fiction</i> 45.2.124 (2016): 44-56.
2017	Chattopadhyay, Bodhisattva. "Speculative Utopianism in Kalpavigyan: Mythologerm and Women's Science Fiction." <i>Foundation: The International Review of Science Fiction</i> 46.2.127 (2017): 6-19.
2018-2019	No competitions

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

SCIENCE FICTION RESEARCH ASSOCIATION

Pilgrim Award

Purpose: The Pilgrim Award was created in 1970 by the SFRA to honor lifetime contributions to science fiction and fantasy scholarship. The award was named for J. O. Bailey's pioneering book, *Pilgrims through Space and Time*. Currently, the Year runs from June of the noted year through May.

Year	Winner
1970	<i>Bailey, J. O.</i>
1971	Nicholson, Marjorie Hope
1972	<i>Kagarlitski, Julius</i>
1973	<i>Williamson, Jack</i>
1974	<i>Clarke, I. F.</i>
1975	<i>Knight, Damon</i>
1976	<i>Gunn, James</i>
1977	<i>Clareson, Thomas D.</i>
1978	<i>Aldiss, Brian W</i>
1979	<i>Suvin, Darko</i>
1980	<i>Nicholls, Peter</i>
1981	<i>Moskowitz, Sam</i>
1982	<i>Barron, Neil</i>
1983	<i>Franklin, H. Bruce</i>
1984	<i>Bleiler, Everett F.</i>
1985	<i>Delany, Samuel R.</i>
1986	<i>Slusser, George E.</i>
1987	<i>Wolfe, Gary K.</i>
1988	<i>Russ, Joanna</i>
1989	Le Guin, Ursula K.
1990	<i>Tymn, Marshall B.</i>
1991	Versins, Pierre
1992	<i>Hillegas, Mark</i>
1993	Reginald, Robert
1994	Clute, John
1995	Sobchack, Vivian
1996	<i>Ketterer, David</i>
1997	<i>Barr, Marleen</i>
1998	de Camp, L. Sprague
1999	<i>Stableford, Brian</i>
2000	<i>Hall, Hal</i>
2001	<i>Samuelson, David</i>
2002	Ashley, Mike
2003	<i>Westfahl, Gary</i>
2004	<i>James, Edward</i>
2005	Klein, Gérard
2006	Jameson, Fredric

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

2007	Budrys, Algis
2008	Jones, Gwyneth
2009	Attebery, Brian
2010	Rabkin, Eric
2011	Haraway, Donna
2012	Sargent, Pamela
2013	Hayles, N. Katherine
2014	Gordon, Joan
2015	Jenkins, Henry
2016	Bould, Mark
2017	Moylan, Tom
2018	Freedman, Carl
2019	Rieder, John

Pioneer Award

Purpose: The Pioneer Award is given to the writer or writers of the best critical essay-length work of the year.

Year	Winner & Essay
1990	Hollinger, Veronica . "The Vampire and the Alien: Variations on the Outsider." <i>Science-Fiction Studies</i> 16.2.48 (July 1989): 146-160.
1991	Franklin, H. Bruce . "The Vietnam War as American Science Fiction and Fantasy." <i>Science-Fiction Studies</i> 17.3.52 (November 1990): 341-359.
1992	Csiscery-Ronay, Istvan, Jr. "The SF of Theory: Baudrillard and Haraway." <i>Science-Fiction Studies</i> 18.3.55 (November 1991): 387-404.
1993	No award
1994	McCaffrey, Larry, & Takayuki Tatsumi . "[Graffiti's Rainbow:] Towards the Theoretical Frontiers of Fiction: From Metafiction and Cyberpunk through Avant-Pop." <i>SF Eye</i> #12 (Summer 1993): 43-49; and as: "Appendix 1: Towards the Frontiers of 'Fiction': From Metafiction and Cyberpunk, through Avant-Pop: The Correspondence between Takayuki Tatsumi and Larry McCaffery." <i>Full Metal Apache: Transactions Between Cyberpunk Japan and Avant-Pop America</i> . By Takayuki Tatsumi. Durham, NC: Duke UP, 2006.
1995	Luckhurst, Roger . "The Many Deaths of Science Fiction: A Polemic." <i>Science-Fiction Studies</i> 21.1.62 (March 1994): 35-50.
1996	Stableford, Brian . "How Should a Science Fiction Story End?" <i>New York Review of Science Fiction</i> 7.6.78 (February 1995): 1, 8-15.
1997	Moore, John. "Shifting Frontiers: Cyberpunk and the American South." <i>Foundation: The Review of Science Fiction</i> 66 (Spring 1996): 59-68.
1998	Clarke, I. F. "Future-War Fiction: The First Main Phase, 1871-1900." <i>Science-Fiction Studies</i> 24.3.73 (November 1997): 387-412.
1999	Freedman, Carl . "Kubrick's 2001 and the Possibility of a Science-Fiction Cinema." <i>Science-Fiction Studies</i> 25.2.75 (July 1998): 300-319.
2000	Pearson, Wendy . "Alien Cryptographies: The View from Queer." <i>Science Fiction Studies</i> 26.1.77 (March 1999): 1-22.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

2001	Kilgore, De Witt Douglas. "Changing Regimes: Vonda N. McIntyre's Parodic Astrofuturism." <i>Science Fiction Studies</i> 27.2.81 (July 2000): 256-277.
2002	Berman, Judith. "Science Fiction without the Future." <i>New York Review of Science Fiction</i> 13.9.153 (May 2001): 1, 6-8.
2003	Olsen, Lance. "Omniphage." Pub'd as: "Omniphage: Rock'n'Role and Avant-Pop Science Fiction." <i>Edging into the Future: Science Fiction and Contemporary Cultural Transformation</i> . Ed. Veronica Hollinger and Joan Gordon. Philadelphia, PA: U of Penn P, 2002. 30-56.
2004	Butler, Andrew M. "Thirteen Ways of Looking at the British Boom" <i>Science Fiction Studies</i> 30.3.91 (November 2003): 374-393.
2005	Yaszek, Lisa. "The Women History Doesn't See: Recovering Midcentury Women's SF as a Literature of Social Critique." <i>Extrapolation</i> 45.1 (Spring 2004): 34-35.
2006	DeRose, Maria. "Redefining Women's Power Through Feminist Science Fiction." <i>Extrapolation</i> 46.1 (Spring 2005): 66-89.
2007	Ransom, Amy J. "Oppositional Postcolonialism in Québécois Science Fiction." <i>Science Fiction Studies</i> 33.2.99 (July 2006): 291-312.
2008	Vint, Sherryl. "Speciesism and Species Being in Do Androids Dream of Electric Sheep?" <i>Mosaic: A Journal for the Interdisciplinary Study of Literature</i> 40.1 (March 2007): 111-126.
2009	Easterbrook, Neil. "Giving an Account of Oneself: Ethics, Alterity, Air." <i>Extrapolation</i> 49.2 (Summer 2008): 240-260.
2010	de Fren, Allison. "The Anatomical Gaze in Tomorrow's Eve." <i>Science Fiction Studies</i> 36.2.108 (July 2009): 235-265.
2011	Rieder, John. "On Defining SF, or Not." <i>Science Fiction Studies</i> 37.2.111 (July 2010): 191-201.
2012	Higgins, David. "Toward a Cosmopolitan Science Fiction." <i>American Literature</i> 83.2 (June 2011): 331-354.
2013	Rivera, Lysa. "Future Histories and Cyborg Labor: Reading Borderlands Science Fiction after NAFTA." <i>Science Fiction Studies</i> 39.3.118 (November 2012): 415-436.
2013	O'Connell, Hugh C. "Mutating Toward the Future: The Convergence of Utopianism, Postcolonial SF, and the Postcontemporary Longing for Form in Amitav Ghosh's <i>The Calcutta Chromosome</i> ." <i>MFS: Modern Fiction Studies</i> 58.4 (Winter 2012): 773-795. [Honorable Mention]
2014	Tomberg, Jaak. "On the Double Vision of Realism and SF Estrangement in Gibson's Bigend Trilogy." <i>Science Fiction Studies</i> 40.2.120 (July 2013): 263-285.
2015	MacDonald, Graeme. "Improbability Drives: The Energy of SF." <i>Paradoxa</i> #26 [<i>SF Now</i> . Ed. Mark Bould & Rhys Williams] (2014): 111-144.
2016	Selisker, Scott. "'Shutter-Stop Flash-Bulb Strange': GMOs and the Aesthetics of Scale in Paolo Bacigalupis <i>The Windup Girl</i> ." <i>Science Fiction Studies</i> 42.3.127 (November 2015): 500-518.
2017	Thomas, Lindsay. "Forms of Duration: Preparedness, the Mars Trilogy, and the Management of Climate Change." <i>American Literature</i> 88.1 (March 2016): 159-184.
2018	Strychacz, Thomas. "The Political Economy of Potato Farming in Andy Weir's <i>The Martian</i> ." <i>Science Fiction Studies</i> 44.1.131 (March 2017): 1-20.
2019	Mayer, Jed. "The Weird Ecologies of Mary Shelley's <i>Frankenstein</i> ." <i>Science Fiction Studies</i> 45.2.135 (July 2018): 229-243.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Student Paper Award

Purpose: The Student Paper Award is presented to the outstanding scholarly essay read at the annual conference of the SFRA by a student. Through the 2009 award this was named the Graduate Student Paper Award; beginning with the 2010 conference the award has been open to both graduate and undergraduate students.

Year	<i>Winner & Paper</i>
1999	Rodrigo Blanchard, Shelley. "Resistance is Futile,' We Are Already Assimilated: Cyborging, Cybord Societies, Cyborgs, and The Matrix."
2000	Fritzsche, Sonja . "Out of the Western Box: Rethinking Popular Cultural Categories from the Perspective of East German Science Fiction."
2001	Drown, Eric. "Riding the Cosmic Express in the Age of Mass Production: Independent Inventors as Pulp Heroes in American SF 1926-1939."
2001	LaBare, Sha. "Outline for a Mode Manifesto: Science Fiction, Transhumanism, and Technoscience."
2002	Pearson, Wendy . "Homotopia? Or What's Behind a Prefix?"
2003	Fuller, Sarah Canfield. "Speculating about Gendered Evolution: Bram Stoker's White Worm and the Horror of Sexual Selection."
2004	Stevenson, Melissa Colleen. "Single Cyborg Seeking Same: The Post-Human and the Problem of Loneliness."
2005	Janicker, Rebecca . "New England Narratives: Space and Place in the Narratives of H. P. Lovecraft."
2006	Wight, Linda. "Magic, Art, Religion, Science: Blurring the Boundaries of Science and Science Fiction in Marge Piercy's Cyborgian Narrative."
2007	Brown, Joseph . "Heinlein and the Cold War: Epistemology and Politics in <i>The Puppet Masters</i> and <i>Double Star</i> ."
2008	No award
2009	Higgins, David M. "The Imperial Unconscious: Samuel R. Delany's <i>The Fall of the Towers</i> ."
2010	Ferguson, Andrew. "Such Delight in Bloody Slaughter: R. A. Lafferty and the Dismemberment of the Body Grotesque."
2011	Fest, Bradley. "Tales of Archival Crisis: Stephenson's Reimagining of the Post-Apocalyptic Frontier."
2012	Bast, Florian. "Fantastic Voices: Octavia Butler's First-Person Narrators and 'The Evening and the Morning and the Night.'"
2013	Shephard, W. Andrew. "Beyond the Wide World's End: Themes of Cosmopolitanism in Alfred Bester's <i>The Stars My Destination</i> ."
2014	Jarvis, Michael. "'Wherever you go, there you are': Postmodern Pastiche and Oppositional Rhetoric in <i>The Adventures of Buckaroo Banzai Across the Eighth Dimension</i> ."
2015	Shephard, W. Andrew. "'What is and What Should Never Be': Paracosmic Utopianism in Margaret Cavendish's <i>The Blazing World</i> ."
2016	Van Engen, Dagmar. "The Interspecies Erotic: Sex and the Non Human in Octavia Butler's <i>Xenogenesis</i> Trilogy."
2017	Gene-Rowe, Francis. "You Are The Hero: Stephen Mooney's <i>The Cursory Epic</i> ."
2017	Roberts, Brittany. "'The Present Doesn't Exist': Music, Animation, and the Rupture of Cultural Memory in Vladimir Tarasov's <i>The Passage</i> ." [Honorary Mention]

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

2018	Pearson, Josh. "New Weird Frankenworlds: Speaking and Laboring Worlds in Cisco's Internet of Everything."
2018	Korsnack, Kylie. "Towards a Time Travel Aesthetic: Writing-between-worlds in Okorafor, Butler, and Baledosingh." [Honorable Mention]
2019	Dempsey, Grant. "Did they tell you I can Floak?: Living Between Always and Sometimes, in China Miéville's <i>Embassytown</i> ."

Mary Kay Bray Award

Purpose: The Mary Kay Bray Award is given for the best essay, interview, or extended review to appear in the *SFRA Review* in a given year.

Year	Winner & Publication
2002	Hellekson, Karen . "Transforming the Subject: Humanites, The Body, and Posthumanism." <i>SFRA Review</i> #251 (March/April 2001): 3-7.
2003	Mendlesohn, Farah . Review of: <i>The Years of Rice and Salt</i> ., by Kim Stanley Robinson. <i>SFRA Review</i> #257 (March/April 2002): 24-27.
2004	Beatie, Bruce A. Review of: <i>L. Frank Baum, Creator of Oz</i> , by Katharine M. Rogers. <i>SFRA Review</i> #268 (April/May/June 2004): 6-8.
2005	No award
2006	Morrissey, Thomas J. Review of: <i>The Shores of Women</i> , by Pamela Sargent. <i>SFRA Review</i> #271 (January/February/March 2005): 29-31.
2007	Carmien, Ed. Review of: <i>The Space Opera Renaissance</i> , ed. by David G. Hartwell and Kathryn Cramer. <i>SFRA Review</i> #277 (July/August/September 2006): 8-11.
2008	Ellis, Jason. Review of: Robert Heinlein's <i>Starship Troopers</i> . <i>SFRA Review</i> #280 (April/May/June 2007): 17-19; and, Ellis, Jason. [Review of Ian McDonald's <i>Brasyl</i>]. <i>SFRA Review</i> #281 (July/August/September 2007): 36-37.
2009	Klapcsik, Sandor . Review of: <i>Rewired: A Post-Cyberpunk Anthology</i> . Ed. by James Patrick Kelly and John Kessel. <i>SFRA Review</i> #284 (Spring 2008): 15-16.
2010	Calvin, Ritch . "Mundane SF 101." <i>SFRA Review</i> #289 (Summer 2009): 13-16.
2011	Suppia, Alfredo. "Southern Portable Panic: Frederico Álvarez's <i>Ataque de Pánico</i> ." <i>SFRA Review</i> #292 (Spring 2010): 23-24.
2012	Miller, T. S. [Timothy S.] Review of: <i>Rise of the Planet of the Apes</i> . <i>SFRA Review</i> #298 (Fall 2011): 41-44.
2013	Pak, Chris. "Terraforming 101." <i>SFRA Review</i> #302 (Fall 2012): 6-15.
2014	Yaszek, Lisa . "Narrative, Archive, Database: The Digital Humanities and Science Fiction Scholarship 101." <i>SFRA Review</i> #303 (Winter 2013): 6-9.
2015	Barr, Marleen S., Pawel Frelik , and Andy Hageman. "A Roundtable: <i>Under the Skin</i> [film]." <i>SFRA Review</i> #310 (Fall 2014): 53-57.
2016	Ransom, Amy. Review of: <i>The Liverpool Companion to World Science Fiction Film</i> , ed. By Sonja Fritzsche. <i>SFRA Review</i> #312 (Spring 2015): 24-26.
2017	Canavan, A. P. [Aidan-Paul] Review of: Netflix's <i>Daredevil</i> and <i>Jessica Jones</i> .] <i>SFRA Review</i> #315 (Winter 2016): 32-34.
2018	O'Connell, Hugh C. Review of: <i>Irish Science Fiction</i> , by Jack Fennell. <i>SFRA Review</i> #319 (Winter 2017): 13-14.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

2019 (tie)	Faucheux, Amandine. Review of: <i>The Stone Sky</i> , by N. K. Jemisin. <i>SFRA Review</i> #324 (Spring 2018): 20-21.
2019 (tie)	Miller, T. S. [Timothy S.] Review of: <i>The Oxford Handbook of Science Fiction</i> , ed. by Rob Latham. <i>SFRA Review</i> #323 (Winter 2018): 17-19.
Clareson Award for Distinguished Service	
<i>Purpose:</i> The Thomas D. Clareson Award for Distinguished Service is presented for outstanding service activities-promotion of SF teaching and study, editing, reviewing, editorial writing, publishing, organizing meetings, mentoring, and leadership in SF/fantasy organizations.	
Year	Winner
1996	<i>Pohl, Frederik</i>
1997	<i>Gunn, James</i>
1998	<i>Hull, Elizabeth Anne</i>
1999	Hartwell, David G.
2000	<i>Lewis, Arthur O.</i>
2001	<i>Hassler, Donald "Mack"</i>
2002	<i>Gordon, Joan</i>
2003	<i>Sanders, Joe</i>
2004	<i>Warrick, Patricia</i>
2005	Becker, Muriel
2006	<i>Kincaid, Paul</i>
2007	<i>Levy, Michael</i>
2008	<i>Sawyer, Andrew</i>
2009	<i>Hall, Hal</i>
2010	<i>Mead, David</i>
2011	Tiptree Motherboard, The [Karen Joy Fowler, <i>Debbie Notkin</i> , Ellen Klages, <i>Jeanne Gomoll</i> , Jeff Smith, Pat Murphy]
2011	Fowler, Karen Joy [part of:] The Tiptree Motherboard
2011	<i>Gomoll, Jeanne</i> [part of:] The Tiptree Motherboard
2011	Klages, Ellen [part of:] The Tiptree Motherboard
2011	Murphy, Pat [part of:] The Tiptree Motherboard
2011	<i>Notkin, Debbie</i> [part of:] The Tiptree Motherboard
2011	Smith, Jeff [part of:] The Tiptree Motherboard
2012	<i>Evans, Arthur B.</i>
2013	<i>Latham, Rob</i>
2014	<i>Yaszek, Lisa</i>
2015	McIntyre, Vonda
2016	<i>Mendlesohn, Farah</i>
2017	<i>Frelik, Pawel</i>
2018	<i>Hollinger, Veronica</i>
2019	<i>Vint, Sherryl</i>

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Society for Utopian Studies

Arthur O. Lewis Award

Purpose: This award is for the best paper by a younger scholar (generally defined as untenured) given at the annual meeting of the Society. Note: When published, papers are likely to have been edited and possibly updated.

Year	Winner & Paper as Subsequently Published
1987	Shelton, Robert. "Aesthetic Angels and Devolved Demons: Wells in 1895." <i>Utopian Studies II</i> . Ed. Michael S. Cummings & Nicholas D. Smith. Lanham, MD: UP of America, 1989. 1-11.
1988	Gottlieb, Erika. "The Function of Goldstein's Book: Time as Theme and Structure in Dystopian Satire." <i>Utopian Studies III</i> . Ed. Michael S. Cummings & Nicholas D. Smith. Lanham, MD: UP of America, 1991. 12-19.
1988	Jones, Libby Falk. "Breaking Silences in Feminist Dystopias." <i>Utopian Studies III</i> . Ed. Michael S. Cummings & Nicholas D. Smith. Lanham, MD: UP of America, 1991. 7-11.
1989	Bergmann, Peter. "Utopiansim and Defeatism in Friedrich Nietzsche." <i>Utopian Studies IV</i> . Ed. Lise Leibacher-Ouvrard & Nicholas D. Smith. Lanham, MD: UP of America, 1991. 22-29.
1989	Kopp, James J. "Edward Belamy and the New Deal: The Revival of Bellamyism in the 1930s." <i>Utopian Studies IV</i> . Ed. Lise Leibacher-Ouvrard & Nicholas D. Smith. Lanham, MD: UP of America, 1991. 10-16.
1990	Roslak, Robyn S. "Organicism and the Construction of Utopian Geography: The Role of the Landscape in Anarcho-Communism and Neo-Impressionism." <i>Utopian Studies</i> 1.2 (1990): 96-114.
1990	Widdicombe, Richard Toby. "Eutopia, Dystopia, Aporia: The Obstruction of Meaning in Fin-de Siècle Utopian Texts." <i>Utopian Studies</i> 1.1 (1990): 93-102.
1991	Anderson, Kristine. "Encyclopedic Dictionary as Utopian Genre: Two Feminist Ventures." <i>Utopian Studies</i> 2.1&2 (1991): 124-130.
1992	Lewes, Darby. "Middle-Class Edens: Women's Nineteenth-century Utopian Fiction and the Bourgeois Ideal." <i>Utopian Studies</i> 4.1 (1993) 14-25.
1993	Deery, June. "Ectopic and Utopic Reproduction." <i>Utopian Studies</i> 5.2 (1994): 36-49.
1993	Kelley, Scott. "Photo-Utopia and Poetic Representations of the Impossible: The Utopic Figure in Modern Poetic and Photographic Discourse." <i>Utopian Studies</i> 6.1 (1995): 1-18.
1994	Lewes, Darby. "Worlds Apart: Contrasts in British and American Utopian Texts by Women." <i>Dream Revisionaries: Gender and Genre in Women's Utopian Fiction, 1870-1920</i> . Darby Lewes. Tuscaloosa: U of Alabama Pr, 1995. Ch. 4.
1995	de Alba-Koch, Beatriz. "The Dialogics of Utopia, Dystopia and Arcadia: Political Struggle and Utopian Novels in Nineteenth-Century Mexico." <i>Utopian Studies</i> 8.1 (1997): 19-30.
1995	Stolow, Jeremy. "Utopia an Geopolitics in Theodor Herzl's Altneuland." <i>Utopian Studies</i> 8.1 (1997): 55-76.
1996	Pohl, Nicole. "'Sweet place, where virtue then did rest'" The Appropriation of the Country-house Ethos in Sarah Scott's Millenium Hall." <i>Utopian Studies</i> 7.1 (1995): 49-59.
1997	Totaro, Rebecca. "English Plague and New World Promise." <i>Utopian Studies</i> 10.1 (1999): 1-12.
1998	Lancaster, Ashlie. "Instantiating Critical Utopias." <i>Utopian Studies</i> 11.1 (2000): 109-119.

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

1999	Prettyman, Gib. "Incorporation in the Gilded Age Utopian Imagination." Pubd as: "Gilded Age Utopias of Incorporation." <i>Utopian Studies</i> 12.1 (2001): 19-40.
2000	Breton, Rob. "Work Perfect: William Morris and the Gospel of Work." <i>Utopian Studies</i> 13.1 (2002): 43-56.
2001	Smith, Dina. "Lost Trailer Utopias: The Long Long Trailer and Fifties America." Pubd as "Lost Trailer Utopias: The Long Long Trailer (1954) and Fifties America." <i>Utopian Studies</i> 14.1 (2003): 112-131.
2002	Vaninskata, Anna. "Janus-Faced Fictions: Socialism as Utopia and Dystopia in William Morris and George Orwell." <i>Utopian Studies</i> 14.2 (2003): 83-98
2003	Fritzsche, Sonja. "Utopia, Dystopia, and Ostalagia: The Pre- and Post-Unification Visions of East Germany Science Fiction Writer Alexamder Kröger." <i>Utopian Studies</i> 17.3 (2006): 441-464.
2004	Chiang, Sing-chen Lydia. "Utopia and Hereotopia in a Tenth-Century Chinese Encyclopedia." Pubd as "Visions of Happiness: Daoist Utopias and Grotto Paradises in Early and Medieval Chinese Tales." <i>Utopian Studies</i> 20.1 (2009): 97-120
2005	Atkinson, Jennifer. "Seeds of Change: The New Place of Gardens in Contemporary Utopia." <i>Utopian Studies</i> 18.2 (2007): 237-260.
2006	Whitley, Catherine. "Utopia=Posthuman/ Postgender?" <i>Not yet published.</i>
2007	Nadir, Christine. "Utopian Studies, Environmental Literature, and the Legacy of an Idea: Educating Desire in Miguel Abensour and Ursula K. Le Guin." <i>Utopian Studies</i> 21.1 (2010): 24.56. [also, Battisti Award]
2008	Rahmlow, Kurt. "Co-opting the Cooperative: Vincent van Gogh and the French Labor Movement" ; published as: "Co-opting the Cooperative: Vincent van Gogh's 'Studio of the South' and Nineteenth-Century Utopian Studies." <i>Utopian Studies</i> 23.1 (2012): 79-112.
2009	No award
2010	Boluk, Stephanie. "Blondie and the End of History." <i>Extrapolation</i> 58.2/3 (Summer/Winter 2017): 209-283.
2011	Tabone, Mark. "Delany's New Worlds Revisited"; published as: "Beyond Triton: Samuel R. Delany's Critical Utopianism and the Colliding Worlds in "We, in Some Strange Power's Employ, Move On a Rigorous Line." <i>Utopian Studies</i> 24.2 (2013): 209-253.
2012	Lenz, Wylie. "The Utopian Hobo Enclaves of Jack London and Upton Sinclair." <i>Not yet published.</i>
2013	Hogan, Sarah. "What More Means Now: Utopia, Occupy, and the Commons." <i>Upstart: A Journal of English Renaissance Studies [Clemson U]</i> (2 September 2013): 29 paragraphs
2014	Jensen, Graham. "Ursula K. Le Guin's: The Dispossessed, Exile, and the Kunstlerroman Tradition." <i>Not yet published.</i>
2015	No award
2016	No award
2017	Adamik, Verena. "From Utopian Island to Global Empire: Alex Garland's <i>The Beach</i> ." <i>Not yet published.</i>
2018	Jones, Clint. "From Scalawag to Seasteader: Pirate Societies as a Blueprint for Modern Conceptions of Utopia." <i>Not yet published.</i>
2019	Kabo, Raphael. "'Life! Life! Life!': The Precarious Utopianism of Kim Stanley Robinson's <i>New York 2140</i> ." <i>Not yet published.</i>

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Eugenio Battisti Award

Purpose: This award is for the best article in the previous year's *Utopian Studies*.

Year	Winner & Article
1990	Geoghegan, Vincent. "Remembering the Future." <i>Utopian Studies</i> 1.2 (1990): 52-68; rpt. in <i>Not Yet: Reconsidering Ernst Bloch</i> . Ed. Jamie Owen Daniel & Tom Moylan (London: Verso, 1997): 15-32.
1991	Fitting, Peter. "Utopia Beyond Our Ideals: The Dilemma of the Right-Wing Utopia." <i>Utopian Studies</i> 2.1 & 2 (1991): 95-109.
1991	Khanna, Lee Cullen. "Beyond Omelas: Utopia and Gender." <i>Utopian Studies</i> 2.1 & 2 (1991): 48-58.
1992	Gardiner, Michael. "Bakhtin's Carnival: Utopia as Critique." <i>Utopian Studies</i> 3.2 (1992): 21-49; rpt. in <i>Bakhtin: Carnival and Other Subjects</i> . Ed. David Shepherd (Critical Studies 3.2-4.1/2; 1993): 20-47.
1992	Hoover, Kenneth R. "Mondragón's Answers to Utopias Problems." <i>Utopian Studies</i> 3.2 (1992): 1-20.
1993	Wegner, Phillip E. "Zamyatin's We: A Critical Map of Utopia's 'Possible Worlds'." <i>Utopian Studies</i> 4.2 (1993): 94-116.
1994	Guarneri, Carl J. "The Americanization of Utopia: Fourierism and the Dilemma of Utopian Dissent in the United States." <i>Utopian Studies</i> 5.1 (1994): 72-88.
1995	Gardiner, Michael. "Utopia and Everyday Life in French Social Thought." <i>Utopian Studies</i> 6.2 (1995): 90-123.
1996	Appelbaum, Robert. "Utopian Dubrovnik, 1659: An English Fantasy." <i>Utopian Studies</i> 7.2 (1996): 66-92.
1997	Gardiner, Michael. "A Postmodern Utopia?: Heller and Fehér's Critique of Messianic Marxism." <i>Utopian Studies</i> 8.1 (1997): 89-122.
1998	Schneekloth, Lynda H. "Unredeemably Utopian: Architecture and Making/Unmaking the World." <i>Utopian Studies</i> 9.1 (1998): 1-25
1998	Wegner, Phillip. "Horizons, Figures, and Machines: The Dialectic of Utopia in the Work of Fredric Jameson." <i>Utopian Studies</i> 9.2 (1998): 58-73.
1999	Hartman, Matthew. "Utopian Evolution: The Sentimental Critique of Social Darwinism in Bellamy and Pierce." <i>Utopian Studies</i> 10.1 (1999): 26-41.
1999	Williams, Nicholas M. "The Limits of Spatialized Form: Visibility and Obscurity in Edward Bellamy's Looking Backward." <i>Utopian Studies</i> 10.2 (1999): 25-39.
2000	Karpinski, Eva C. "Signifying Passion: Angela Carter's Heroes and Villains as a Dystopian Romance." <i>Utopian Studies</i> 11.2 (2000): 137-151.
2001	Mathisen, Werner Christie. "The Underestimation of Politics in Green Utopias: The Description of Politics in Huxley's Island, Le Guin's The Dispossessed, and Callenbach's Ecotopia." <i>Utopian Studies</i> 12.1 (2001): 56-78.
2002	Paden, Roger. "Marx's Critique of the Utopian Socialists." <i>Utopian Studies</i> 13.2 (2002): 67-91.
2003	McManus, Susan. "Fabricating the Future: Becoming Bloch's Utopians." <i>Utopian Studies</i> 14.2 (2003): 1-22.
2003	Sands, Peter. "Octavia Butler's Chiastic Cannibalistics." <i>Utopian Studies</i> 14.1 (2003): 1-14.

APPENDIX B (continued): Science Fiction & Fantasy Scholarly Awards and Awardees	
2004	Shor, Francis. "SNCC and the Struggle for Civil Rights, 1960-1966." <i>Utopian Studies</i> 15.2 (2004): 173-189.
2005	Smith, Craig. "Great Reformation in the Manners of Mankind: Utopian Thought in the Scottish Reformation and Enlightenment." <i>Utopian Studies</i> 16.2 (2005): 221-245.
2006	Chan, Edward K. "Utopia and the Problem of Race: Accounting for the Remainder in the Imagination of the 1970s Utopian Subject." <i>Utopian Studies</i> 17.3 (2006): 465-490.
2007	Stewart, Janet. "'Breaking the Power of the Past over the Present': Psychology, Utopianism and the Frankfurt School." <i>Utopian Studies</i> 18.1 (2007): 21-42.
2008	Webb, Darren. "Christian Hope and the Politics of Utopia." <i>Utopian Studies</i> 19.1 (2008): 113-144.
2009	Sarbanes, Janet. "'The Shaker 'Gift': Charisma, Aesthetic Practice and Utopian Communalism.:" <i>Utopian Studies</i> 20.1 (2009): 121-139.
2010	Hunter, Robert. "The Music of Change: Utopian transformation in Aufsteig und Fall der Stadt Mahagonny and Der Silbersee." <i>Utopian Studies</i> 21.2 (2010): 293-312.
2010	Nadir, Christine. "Utopian Studies, Environmental Literature, and the Legacy of an Idea: Educating Desire in Miguel Abensour and Ursula K. Le Guin." <i>Utopian Studies</i> 21.1 (2010): 24-56. [also, Lewis Award]
2011	No award
2012	Freeman-Moir, John. "Crafting Experience: William Morris, John Dewey and Utopia." <i>Utopian Studies</i> 22.2 (2011): 202-232.
2013	Portolano, Marlana. "The Rhetorical Function of Utopia: An Exploration of the Concept of Utopia in Rhetorical Theory." <i>Utopian Studies</i> 23.1 (2012): 113-141.
2014	Collins, Samuel Gerald. "Train to Pyongyang: Imagination, Utopia, and Korean Unification." <i>Utopian Studies</i> 24.1 (2013): 119-143.
2015	No award
2016	Johnson [later, Bitar], Adrienne Rose. "The Paleo Diet and the American Weight Loss Utopia, 1975-2014." <i>Utopian Studies</i> 26.1 (2015): 101-124.
2017	LaFountain, Pascale. "'Darkness, Waiting, Without Speaking': Fluidity, Subjectivity, and Utopian Space in Ingeborg Bachmann's <i>Der Fall Franza</i> ." <i>Utopian Studies</i> 27.1 (2016): 77-92.
2018	Colmon, Clayton D. "Queer Afrofuturism: Utopia, Sexuality, and Desire in Samuel Delany's 'Aye, and Gomorrah.'" <i>Utopian Studies</i> 28.2 (2017): 327-346.
2018	Pollen, Anabella. "Utopian Bodies and Anti-Fashion Futures: The Dress Theories and Practices of English Interwar Nudists." <i>Utopian Studies</i> 28.3 (2017): 451-458. [Finalist]
2018	Serruys, Nicholas. "Utopian Science Fiction from Quebec, from National Allegories to Cultural Accomodation: Joël Champetier's RESET--Le Voille de Lumière (2011)." <i>Utopian Studies</i> 28.1 (2017): 72-119. [Finalist]
2019	Bielik-Robson, Agata. "The Messiah and the Great Architect: On the Difference Between the Messianic and the Utopian." <i>Utopian Studies</i> 29.2 (2018): 133-158.
2019	Santesso, Aaron. "Next Door to Nirvana: Neighboring States and the Utopian Border Paradox." <i>Utopian Studies</i> 29.3 (2018): 325-342. [Finalist]

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Kenneth M. Roemer Innovative Course Design Award

Purpose: This award is for innovative course design in utopian studies.

Year	Winner & Course Title
2010	Kehoe, Ryan Michael. "A Soviet Space Odyssey: Speculative Fiction from Behind the Iron Curtain."
2010	Kesler, Corina. "Build Your Own Utopia."
2011	Riar, Inderbir Singh. "Urbanism & Utopia: Modernity, Everyday Life and the City of Tomorrow."
2012	Jones, Clint. "Mythologies of the Future."
2013	Galambos, Peter Janos. "NYC: Utopia."
2014	Martin, Regina. "Utopian Fiction | Utopian Practice."
2015	Marshall, Alan, and Kantamaturapoj, Kanang. Mahidol University, Thailand: "Ecotopia 2021."
2016	Nordstrom, Justin
2017	Bell, Duncan. Christ's College Fellow, Cambridge: "The Politics of the Future, 1880-2080."
2018	Davis, Laurence. "Reimagining Democratic Politics in a Changing World."
2019	Franke, Damon. "English 351: Survey of British Literature II: The Utopian Unconscious from Romanticism to Modernism."

Larry E. Hough Distinguished Service Award

Purpose: This award is for substantial achievement in support of utopian studies, broadly defined. Initially called the Distinguished Service Award, it was renamed in 2000.

Year	Winner
1998	Lewis, Arthur O.
2000	Hough, Larry E.
2002	Colombo, Arrigo
2002	Fortunati, Vita
2002	Saccaro del Buffa, Giuseppa
2007	Wagner-Lawlor, Jennifer
2008	Jacobs, Naomi
2008	Fitting, Peter
2009	No award
2010	Abrash, Merritt
2011	No award
2012	No award
2013	Vieira, Fátima
2014	Hintz, Carrie
2014	MacDonald, Alex
2015	No award
2016	No award
2017	Prettyman, Gib
2018	No award
2019	No award

**APPENDIX B (continued):
Science Fiction & Fantasy Scholarly Awards and Awardees**

Lyman Tower Sargent Award for Distinguished Scholarship

Purpose: This award recognizes "lifetime achievements, for diversified activity, and for accomplishments not only in the academic fields to which we are accustomed, but also for achievements in fields not usually considered for academic promotion and tenure," (By-laws), with distinguished work in at least two of the following areas: Literary/Publication/ Published Scholarship, Teaching, and Professional Service/Non-literary activity.

Year	Winner
1997	<i>Sargent, Lyman Tower</i>
2002	<i>Beauchamp, Gorman</i>
2002	Claeys, Gregory
2008	<i>Roemer, Ken</i>
2008	<i>Moylan, Tom</i>
2009	Jameson, Fredric
2010	Fitting, Peter
2010	Le Guin, Ursula K.
2011	No award
2012	Levitas, Ruth
2013	Fortunati, Vita
2013	<i>Suvin, Darko</i>
2014	Angenot, Marc
2015	No award
2016	No award
2017	Wegner, Phillip E.
2018	No award
2019	No award

APPENDIX C: Part 1: <i>Extrapolation: The Journal Details</i>		
Voumes.Issues & Dates	Notes	
Journal Title (Main):		
1.1 -- 50.3 1959-December -- 209-Fall	<i>Extrapolation</i>	
Journal Subtitles:		
1.1 -- 8.2 1959-December -- 1967-May	A Science-Fiction Newsletter	
9.1 -- 9.2 1967-December -- 1968-May	A Science Fiction Newsletter	
10.1 -- 10.2 1968-December -- 1969-May	A Science-Fiction Newsletter	
11.1 -- 12.2 1969-December -- 1971-May	[no subtitle]	
13.1 -- 19.2 1971-December -- 1978-May	A Journal of Science Fiction and Fantasy	
20.1 -- 50.3 1979-Spring -- 2009-Fall	[no subtitle]	
Frequency:		
1.1 -- 19.2 1959-December -- 1978-May	2 issues/year; academic year: December, May	
20.1 -- 46.4 1979-Spring -- 2005-Winter	4 issues/year; calendar year: Spring, Summer, Fall, Winter	
47.1 -- 49.3 2006-Spring -- 2008-Winter	3 issues/year; calendar year: Spring, Summer, Winter	
50.1 -- 50.3 2009-Spring -- 2009-Fall	3 issues/year; calendar year: Spring, Summer, Fall	
ISBN:		
20.1 -- 50.3 1979-Spring -- 2009-Fall	0014-5483 (Print)	
Publisher or Issuing Organization:		
1.1 -- 14.1 1959-December -- 1972-December	Department of English, College of Wooster, Wooster, Ohio	
14.2 -- 19.2 1959-December -- 1978-May	[Issued by:] Department of English, College of Wooster, Wooster, Ohio	

**APPENDIX C: Part 1 (continued):
Extrapolation: The Journal Details**

	14.2 -- 19.2 1959-December -- 1978-May	[Published by:] Collier Printing Company
	20.1 -- 42.4 1979-Spring -- 2005-Winter	Kent State University Press, Kent, Ohio
	43.1 -- 48.2 2006-Spring -- 2008-Winter	University of Texas at Brownsville, and, Texas Southmost College, Brownsville, Texas
	48.3 -- 50.3 2009-Spring -- 2009-Fall	University of Texas at Brownsville
Copyright:		
	1.1 -- 10.2 1959-December -- 1969-May	[no copyright notice present]
	11.1 -- 11.2 1969-December -- 1970-May	Copyright [year] by Thomas D. Clareson for the M.L.A. Seminar on Science Fiction
	12.1 1970-December	[no copyright notice present]
	12.2 1971-May	Copyright [year] by Thomas D. Clareson for the M.L.A. Seminar on Science Fiction
	13.1 1971-December	Copyright [year] by Thomas D. and Alice J. Clareson for the M.L.A. Seminar on Science Fiction
	13.2 1972-May	Copyright [year] by Thomas D. and Alice S. Clareson for the M.L.A. Seminar on Science Fiction
	14.1 -- 19.2 1972-December -- 1978-May	Copyright [year] by Thomas D. and Alice S. Clareson
	20.1 -- 42.4 1979-Spring -- 201-Winter	Copyright © [year] by Kent State University Press
	43.1 -- 50.3 2002-Spring -- 2009-Fall	Copyright © [year] by UTB/TSC [University of Texas at Brownsville and Texas Southmost College]
Relationships:		
	1.1 -- 8.2 1959-December -- 1967-May	Conference on Science-Fiction of the MLA [Modern Language Association of America]; Newsletter of the Conference on Science-Fiction of the MLA
	9.1 -- 9.2 1967-December -- 1968-May	Conference on Science Fiction of the MLA [Modern Language Association of America]; Newsletter of the Conference on Science Fiction of the MLA
	10.1 -- 10.2 1968-December -- 1969-May	Conference on Science-Fiction of the MLA [Modern Language Association of America]; Newsletter of the Conference on Science-Fiction of the MLA

**APPENDIX C: Part 1 (continued):
Extrapolation: The Journal Details**

	11.1 -- 12.1 1969-December -- 1970-December	Seminar on Science Fiction of the MLA [Modern Language Association of America]; Newsletter of the M.L.A. Seminar on Science Fiction
	12.2 1971-May	Seminar on Science Fiction of the MLA [Modern Language Association of America]; Newsletter of the MLA Seminar on Science Fiction
	13.1 -- 19.2 1971-December -- 1978-May	Seminar on Science Fiction of the MLA [Modern Language Association of America]; Journal of the MLA Seminar on Science Fiction, also serving the Science Fiction Research Association
Documentation Style:		
	20.2 -- 26.4 1979-Summer -- 1985-Winter	<i>MLA Handbook</i> . 1977.
	27.1 -- 36.3 1986-Spring -- 1995-Fall	<i>MLA Style Manual</i> . 1985. [For questions not covered by MLA, use:] <i>Chicago Manual of Style</i> . 13th ed. 1982.
	36.4 -- 42.4 1995-Winter -- 2001-Winter	<i>MLA Style Manual</i> . 1985. [For questions not covered by MLA, use:] <i>Chicago Manual of Style</i> . 14th ed. 1993.
	43.1 2002-Spring	<i>MLA Style Manual</i> . 1995.
	43.2 -- 48.2 2002-Summer -- 2007-Summer	<i>MLA Style Manual</i> . 1999.
	48.3 -- 50.3 2007-Winter -- 2009-Fall	MLA Style [no date or edition specified]
Submission:		
	20.2 -- 22.1 1979-Summer -- 1981-Spring	Typed double-spaced on white, non-corrasable bond paper.
	22.2 -- 42.4 1981-Summer -- 2001-Winter	Double-spaced on white, non-corrasable bond paper.
	43.1 -- 48.2 2002-Spring -- 2007-Summer	Double-spaced on white, non-corrasable bond paper, with a copy on diskette (Word format).
	48.3 -- 50.3 2007-Winter -- 2009-Fall	Electronic submissions to the Managing Editor.

**APPENDIX C: Part 1 (continued):
Extrapolation: The Journal Details**

Journal Website:

	43.1 -- 48.2 2002-Spring -- 2007-Summer	http://fp.dl.kent.edu/extrap
	48.3 -- 49.2 2007-Winter -- 2008-Summer	[no website given]
	49.3 -- 50.3 2008-Winter -- 2009-Fall	http://extrapolation.utb.edu

Reprints:

	1.1 -- 10.2 1959-December -- 1969-May	New York: Johnson Reprint Corporation, 1970.
	11.1 -- 13.2 1969-December -- 1972-May	New York: Johnson Reprint Corporation, 1973.
	1.1 -- 10.2 1959-December -- 1969-May	Boston: Gregg Press, 1978. (The Gregg Press Science Fiction Series)
	11.1 -- 15.2 1969-December -- 1974-May	[microfilm] Greenwood Press, 1976?
	16.1 -- 19.2 1974-December -- 1978-May	[microfilm] Greenwood Press, 1980?

Note: This information is taken from examination of various issues of the journal.

**APPENDIX C: Part 2:
Extrapolation: Editors and Editorial Staff Members**

Name	Gender	Dept, Discipline, Occupation	Institution	Location
Editorial Title(s)		Period of Service		
Editors				
Clareson, Thomas D.	M	English	<i>College of Wooster</i>	US-OH
Editor		1.1 -- 28.3 1959-December -- 1987-Fall		
Founding Editor		28.4 -- 30.4 1987-Winter -- 1989-Winter		
Founding & Emeritus Editor		31.1 -- 35.1 1990-Spring -- 1994-Spring		
Founding Editor		35.2 -- 50.3 1994-Summer -- 2009-Fall		
Lauterbach, Edward S.	M	English	<i>Purdue University, West Lafayette</i>	US-IN
Editor		1.1 -- 1.2 1959-December -- 1960-May		
Bowman, Thomas D.	M	English	<i>College of Wooster</i>	US-OH
Acting Editor		8.1 -- 8.2 1966-December -- 1967-May		
Clareson, Alice S.	F	teacher & librarian		US-OH
Associate Editor		15.2 -- 19.2 1974-May -- 1978-May		
Brizzi, Mary T[urzillo]	F	English	<i>Kent State University, Trumbull</i>	US-OH
Associate Editor		20.1 -- 27.1 1979-Spring -- 1986-Spring		
Yoke, Carl B.	M	English	<i>Kent State University, Kent</i>	US-OH
Associate Editor		20.1 -- 27.1 1979-Spring -- 1986-Spring		
Hassler Donald M.	M	English	<i>Kent State University, Kent</i>	US-OH
Managing Editor		27.2 -- 28.3 1986-Summer -- 1987-Fall		
Co-Editor		28.4 -- 30.4 1987-Winter -- 1989-Winter		
Editor		31.1 -- 42.4 1990-Spring -- 2001-Winter		
Executive Editor		43.1 -- 48.2 2002-Spring -- 2007-Summer		
Immediate Past Executive Editor		48.3 -- 50.3 2007-Winter -- 2009-Fall		
Vance, G. Warlock	M	[graduate student]	<i>Kent State University, Kent</i>	US-OH
Managing Editor		42.1 -- 43.4 201-Spring -- 2002-Winter		

APPENDIX C: Part 2 (continued): Extrapolation: Editors and Editorial Staff Members				
Martinez, Javier A.	M	English	<i>University of Texas, Brownsville & Texas Southmost College</i>	US-TX
Editor			43.1 -- 48.2	2002-Spring -- 2007 Summer
Managing Editor			48.3 -- 50.3	2007-Winter -- 2009-Fall
Butler, Andrew M.	M	Media & Cultural Studies	<i>Canterbury Christ Church University</i>	UK-EN
Editor			48.3 -- 50.3	2007-Winter -- 2009-Fall
Levy, Michael	M	English	<i>University of Wisconsin, Stout</i>	US-WI
Editor			48.3 -- 50.3	2007-Winter -- 2009-Fall
Vint, Sherryl	F	English	<i>Brock University</i>	CA-ON
Editor			48.3 -- 50.3	2007-Winter -- 2009-Fall
Yaszek, Lisa	F	Literature, Media, & Communication	<i>Georgia Institute of Technology</i>	US-GA
Editor			50.1 -- 50.3	2009-Spring -- 2009-Fall
Melzer, Patricia	F	Women's Studies	<i>Temple University</i>	US-PA
Book Review Editor			48.3 -- 50.3	2007-Winter -- 2009-Fall
Special Issues Editors				
Larbalestier, Justine	F	English; writer	<i>University of Sydney; no affiliation</i>	AU-NSW; AU-NSW & US-NY
Special Issues Editor			44.1 -- 44.4	2003-Spring -- 2003-Winter
Special Wiscon Issue Editor			45.1	2004-Spring
Haran, Joan	F	Cesagene: Centre for Ethical & Social Aspects of Genomics & Epigenetics	<i>Cardiff University</i>	UK-WA
Special Wiscon Issue Editor			45.1	2004-Spring
Editor			45.2	2004-Summer
Wiscon Issue Editor			45.3 -- 46.1	2004-Fall -- 2005-Spring

**APPENDIX C: Part 2 (continued):
Extrapolation: Editors and Editorial Staff Members**

Pilinovsky, Helen	F	[no affiliation; graduate student]	<i>Columbia University</i>	US-NY; US-NY
Editor			45.2	2004-Summer
Wiscon Issue Editor			45.3 -- 46.1	2004-Fall -- 2005-Spring
Editorial Assistants				
Storm, Deirdre	F		[unidentified]	US-OH
Art Director			43.1 -- 46.1	2002-Spring -- 2005-Spring
Hassler, Sue	F			US-OH
Editorial Assistant			42.1 -- 48.2	201-Spring -- 2007-Summer
Kruper, Lauren	F	[undergraduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			42.1 -- 42.4	201-Spring -- 201-Winter
Piller, Autumn	F	[undergraduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			42.4 -- 43.2	201-Winter -- 2002-Summer
Payne, Kelly	F	[undergraduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			43.3 -- 44.3	2002-Fall -- 2003-Fall
Lu, Jie	F	[graduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			44.4 -- 45.2	2003-Winter -- 2004-Summer
Ratio, Iuliu	M	[graduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			45.3 -- 47.2	2004-Fall -- 2006-Summer
Fahey-Hunt, Cathy [Catherine]	F	[undergraduate student]	[<i>Kent State University, Kent</i>]	US-OH
Editorial Assistant			47.3 -- 48.2	2006-Winter -- 2007-Summer

Note: This most of this information is taken from examination of various issues of the journal.

APPENDIX C: Part 3:			
<i>Extrapolation: Board of Editors / Editorial Advisory Board Members</i>			
Name	Gender	Institution	Location
Period of Service	Dept, Discipline, Occupation		
Board of Editors: 12.2 1971-May -- 48.3 2007-Winter			
[Note: 38.2 1997-Summer: BoE & all other indicia are lacking]			
Editorial Advisory Board: 49.1 2008-Spring -- 50.3 2009-Fall			
Abrash, Merritt	M	<i>Rensselaer Polytechnic Institute</i>	US-NY
25.1 1984-Spring -- 42.4 2001-Winter		History	
Aldiss, Brian	M		UK-EN
12.2 1971-May -- 50.3 2009-Fall		writer & critic	
Armitt, Lucie	F	<i>University of Salford</i>	UK-EN
40.2 2008-Summer -- 50.3 2009-Fall		Literary & Cultural Studies	
Badami, Mary Kenny	F	<i>Northwestern University; Bloomsburg University</i>	US-IL; US-PA
19.1 1977-December -- 23.4 1982-Winter		Communication Studies	
Bailey, J. O.	M	<i>University of North Carolina, Chapel Hill</i>	US-NC
12.2 1971-May -- 23.1 1982-Spring		English	
Barron, Neil	M		US-CA
20.1 1979-Spring -- 23.4 1982-Winter		reviewer & editor	
Blish, James	M		US; UK-EN
12.2 1971-May -- 14.2 1973-May		writer & critic	
Bould, Mark	M	<i>University of the West of England</i>	UK-EN
49.1 2008-Spring -- 50.3 2009-Fall		Film & Literature	
Clareson, Alice S.	F		US-OH
20.1 1979-Spring -- 50.3 2009-Fall		teacher & librarian	

APPENDIX C: Part 3 (continued): Extrapolation: Board of Editors / Editorial Advisory Board Members			
Clarke, I. F.	M	<i>University of Strathclyde</i>	UK-SC; UK-EN
12.2 1971-May -- 50.3 2009-Fall		English	
Cummins, Elizabeth [aka: Cogell, Elizabeth] [mistyped as: Gogell: 20.1-22.1]	F	<i>University of Missouri, Rolla</i>	US-MO
19.1 1977-December -- 48.3 2007-Winter		English & Technical Communication	
Davis, Kathe	F	<i>Ohio State University; Jefferson Community College; Kent State University, Trumbull</i>	US-OH
32.4 1991-Winter -- 48.3 2007-Winter		English	
De Bolt, Joe	M	<i>Central Michigan University</i>	US-MI
24.3 1983-Fall; 25.1 1984-Spring -- 42.4 2001-Winter		Sociology, Anthropology, & Social Work	
Delany, Samuel R.	M		US
12.2 1971-May -- 14.2 1973-May		writer & critic	
Dunn, Thomas P.	M	<i>Miami University</i>	US-OH
26.1 1985-Spring -- 42.4 2001-Winter		English	
Easterbrook, Neil	M	<i>Texas Christian University</i>	US-TX
49.1 2008-Spring -- 50.3 2009-Fall		English	
Eisenstein, Alex [16.2 1975-May as Eissenstein, sic!]	M		US-IL
12.2 1971-May -- 48.3 2007-Winter		writer, critic, & reviewer	
Erlich, Richard	M	<i>Miami University</i>	US-OH
26.1 1985-Spring -- 50.3 2009-Fall		English	
Freedman Carl	M	<i>Louisiana State University</i>	US-LA
41.3 2000-Fall -- 42.4 2001-Winter; 43.2 2002-Summer -- 50.3 2009-Fall		English	
Frelik, Pawel	M	<i>Maria Curie-Skłodowska University</i>	Poland
49.1 2008-Spring -- 50.3 2009-Fall		American Literature & Culture	

**APPENDIX C: Part 3 (continued):
Extrapolation: Board of Editors / Editorial Advisory Board Members**

Friend, Beverly	F	<i>Oakton Community College</i>	US-IL
23.3 1982-Fall -- 48.3 2007-Winter		English & Journalism	
Fritzsche, Sonja	F	<i>Illinois Wesleyan University</i>	US-IL
40.2 2008-Summer -- 50.3 2009-Fall		German Studies	
Ginway, M. Elizabeth	F	<i>University of Florida</i>	US-FL
40.2 2008-Summer -- 50.3 2009-Fall		Spanish & Portuguese	
Hall, H[albert] W.	M	<i>Texas A & M University, College Station</i>	US-TX
16.2 1975-May -- 50.3 2009-Fall		Library	
Haran, Joan	F	<i>Cardiff University</i>	UK-WA
40.2 2008-Summer -- 50.3 2009-Fall		Cesagene: Centre for Ethical & Social Aspects of Genomics & Epigenetics	
Harris-Fain, Darren	M	<i>Brucoli-Clark [publisher]; Shawnee State University</i>	US-SC; US-OH
35.1 1994-Spring -- 50.3 2009-Fall		editor; English	
Hassler, Donald M.	M	<i>Kent State University</i>	US-OH
26.3 1985-Fall -- 30.4 1989-Winter		English	
Hellekson, Karen	F		US-ME
49.1 2008-Spring -- 50.3 2009-Fall		freelance copyeditor	
Hogan, Patrick [G.], Jr.	M	<i>University of Houston</i>	US-TX
13.1 1972-December -- 42.4 2001-Winter		English	
Howey, Ann	F	<i>Brock University</i>	CA-ON
40.2 2008-Summer -- 50.3 2009-Fall		English	
Huntington, John	M	<i>University of Illinois, Chicago Circle</i>	US-IL
43.1 2002-Spring -- 50.3 2009-Fall		English	
Kagarlitski, Julius	M	<i>State Theatrical Institute</i>	Russia
12.2 1971-May -- 41.2 2000-Summer		Theater & Drama	

APPENDIX C: Part 3 (continued): Extrapolation: Board of Editors / Editorial Advisory Board Members			
Kilgore, De Witt Douglas	M	<i>Indiana University</i>	US-IN
49.1 2008-Spring -- 50.3 2009-Fall		English; American Studies	
Knickerbocker, Dale	M	<i>East Carolina University</i>	US-NC
49.1 2008-Spring -- 50.3 2009-Fall		Foreign Languages & Literatures: Spanish	
Levy, Michael M.	M	<i>University of Wisconsin, Stout</i>	US-WI
43.1 2002-Spring -- 48.2 2007-Summer		English	
Luckhurst, Roger	M	<i>Birkbeck, University of London</i>	UK-EN
49.1 2008-Spring -- 50.3 2009-Fall		English Literature	
Mallett, Daryl F.	M		US-CA; US-AZ
34.4 1993-Winter; 35.2 1994-Summer -- 48.3 2007-Winter		writer, critic, & reviewer	
McClintock, Michael	M	<i>University of Montana</i>	US-MT
24.3 1983-Fall; 25.2 1984-Summer -- 42.4 2001-Winter		English	
Merrick, Helen	F	<i>Curtin University</i>	AU-WA
49.1 2008-Spring -- 50.3 2009-Fall		Internet Studies	
Merril, Judith	F		US; CA
12.2 1971-May -- 14.2 1973-May		writer & critic	
Moyle, David	M	<i>South Texas College</i>	US-TX
43.1 2002-Spring -- 48.3 2007-Winter		English	
Mullen, Richard D[ale]	M	<i>Indiana State University</i>	US-IN
12.2 1971-May -- 18.2 1977-May		English	
Murphy, Graham	M	<i>Trent University; Seneca College</i>	CA-ON
49.1 2008-Spring -- 50.3 2009-Fall		Cultural Studies; English	
Nelson, Charles	M	<i>Michigan Technical University</i>	US-MI
43.1 2002-Spring -- 50.3 2009-Fall		Language & Literature	

APPENDIX C: Part 3 (continued):
Extrapolation: Board of Editors / Editorial Advisory Board Members

Panshin, Alexei	M		US-PA
12.2 1971-May -- 14.2 1973-May		writer & critic	
Pearson, Wendy	F	<i>University of Western Ontario</i>	CA-ON
49.1 2008-Spring -- 50.3 2009-Fall		Women's Studies & Feminist Research	
Reid, Michelle	F	<i>University of Reading</i>	UK-EN
49.2 2008-Summer -- 50.3 2009-Fall		Study Advice	
Reid, Robin	F	<i>Texas A & M University, Commerce</i>	US-TX
49.1 2008-Spring -- 50.3 2009-Fall		Literature & Languages	
Remington, Thomas	M	<i>Bowling Green State University</i>	US-OH
20.3 1979-Fall -- 42.4 2001-Winter		English Language & Literature	
Rieder, John	M	<i>University of Hawai'i, Mānoa</i>	US-HI
49.1 2008-Spring -- 50.3 2009-Fall		English	
Rogan, Alcena	F	<i>Gordon College</i>	US-GA
40.2 2008-Summer -- 50.3 2009-Fall		English	
Rottensteiner, Franz	M		Austria
12.2 1971-May -- 18.2 1977-May		writer, critic, editor, & librarian	
Sanders, Joe Sutliff	M	<i>California State University, San Bernardino</i>	US-CA
49.1 2008-Spring -- 50.3 2009-Fall		English	
Sapiro, Leland	M	<i>Riverside Quarterly</i>	US
13.2 1972-May -- 18.2 1977-May		critic & editor	
Sayer, Karen	F	<i>Leeds Trinity University College</i>	UK-EN
40.2 2008-Summer -- 50.3 2009-Fall		History	
Schlobin, Roger C.	M	<i>Purdue University, North Central campus</i>	US-IN
23.2 1982-Summer -- 32.1 1991-Spring		English	

**APPENDIX C: Part 3 (continued):
Extrapolation: Board of Editors / Editorial Advisory Board Members**

Stevenson, Lionel	M	<i>Duke University</i>	US-NC; UK-SC
12.2 1971-May -- 15.1 1973-December		English	
Telotte, J. P.	M	<i>Georgia Institute of Technology</i>	US-GA
49.1 2008-Spring -- 50.3 2009-Fall		English; Film & Media Studies	
Urban, Scott H.	M		US-NC
43.1 2002-Spring -- 48.3 2007-Winter		writer, reviewer, & HS teacher	
Vance, G. Warlock	M	<i>Kent State University; University of North Carolina, Greensboro</i>	US-OH; US-NC
44.4 2003-Winter -- 48.3 2007-Winter		graduate student	
Warrick, Patricia	F	<i>University of Wisconsin, Fox Valley</i>	US-WI
24.1 1983-Spring -- 48.3 2007-Winter		English	
West, Richard C.	M	<i>University of Wisconsin, Madison</i>	US-WI
12.2 1971-May -- 48.3 2007-Winter		Library	
Westfahl, Gary	M	<i>University of California, Riverside</i>	US-CA
32.4 1991-Winter -- 50.3 2009-Fall		Learning Center	
Wilcox, Clyde	M	<i>Georgetown University</i>	US-DC
32.2 1991-Summer -- 50.3 2009-Fall		Government	
Williams, Tess	F	<i>University of Western Australia</i>	AU-WA
40.2 2008-Summer -- 50.3 2009-Fall		English & Cultural Studies	
Williamson, Jack	M	<i>Eastern New Mexico University</i>	US-NM
12.2 1971-May -- 47.2 2006-Summer		writer, critic, & professor, English	
Wymer, Thomas L.	M	<i>Bowling Green State University</i>	US-OH
17.2 1976-May -- 42.4 2001-Winter		English	
Yaszek, Lisa	F	<i>Georgia Institute of Technology</i>	US-GA
49.1 2008-Spring -- 49.3 2008-Winter		Literature, Media, & Communication	
* For Awards won by Board members, see: Appendix B: Awards			

APPENDIX D:
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Pub Type	Source Document Author(s)	Gen-der SDA	Source Document Title	<i>Extrapolation</i> volume.issue year-month/season: page(s).
First Decade: v. 1 – 10, December 1959 – May 1969				
EM-E	Lauterbach, Edward S.; Clareson, Thomas D.	M; M	From the Launching Pad.	1.1 1959-December: 1.
Art	Clareson, Thomas D.	M	Major Trends in American Science-Fiction: 1880-1915.	1.1 1959-December: 2-4.
Bib	Clareson, Thomas D.	M	Annotated Checklist of American Science-Fiction: 1880-1915, An.	1.1 1959-December: 5-20.
EM-E	[unsigned; Clareson, Thomas D; Lauterbach, Edward S.]	M; M	From the Launching Pad.	1.2 1960-May: 24.
Art	Hillegas, Mark R.	M	Science Fiction and the Idea of Progress.	1.2 1960-May: 25-28.
Bib	Clareson, Thomas D.; Lauterbach, Edward S.	M; M	Check-List of Articles Dealing with Science Fiction, A.	1.2 1960-May: 29-34.
Art	Emmons, Winfred S., Jr.	M	Lovecraft as a Mythmaker.	1.2 1960-May: 35-37.
Rev	[unsigned: Clareson, Thomas D.]	M	Countdown, The.	1.2 1960-May: 37.
Art	Sackett, S. J. [Samuel J.]	M	Motif Index for Science Fiction, A?	1.2 1960-May: 38.
EM-E	Clareson, Thomas D.	M	From the Launching Pad.	2.1 1960-December: 1.
Art	Wilson, Robert H.	M	Some Recurrent Symbols in Science-Fiction.	2.1 1960-December: 2-4.
Art	[unsigned; Clareson, Thomas D.; from Index to v1-10]	M	Note on Voltaire's <u>Micromegas</u> , A.	2.1 1960-December: 4.
Bib	Hillegas, Mark R.	M	Bibliography of Secondary Materials on Jules Verne, A.	2.1 1960-December: 5-16.
Art	Bailey, J. O.	M	Is Science-Fiction Art?: A Look at H. G. Wells.	2.1 1960-December: 17-19.
Note	[unsigned: Sackett, S. J.?.; Clareson, Thomas D.?.]	M; M	Once Again, Definitions.	2.1 1960-December: 19.
Rev	Lewis, Arthur O., Jr.	M	<u>New Maps of Hell</u> : A Review	2.1 1960-December: 20-21.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	2.2 1961-May: 22.
Art	Walsh, Chad	M	Attitudes Toward Science in the Modern Inverted Utopia.	2.2 1961-May: 23-26.
Bib	Lewis, Arthur O., Jr.	M	Anti-Utopian Novel, The: Preliminary Notes and Checklist.	2.2 1961-May: 27-32.
Art	Clareson, Thomas D.	M	Classic, The: Aldous Huxley's <u>Brave New World</u> .	2.2 1961-May: 33-40.
Rev	Plank, Robert	M	<u>Child Buyer, The</u> : A Review.	2.2 1961-May: 40-41.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	3.1 1961-December: 1.
Bib	Emmons, Winfred S., Jr.	M	Bibliography of H. P. Lovecraft, A.	3.1 1961-December: 2-25.
Bib	Hillegas, Mark R.	M	Draft of the Science-Fiction Canon, A; to be proposed at The 1961 MLA Conference on Science Fiction	3.1 1961-December: 26-30.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	3.2 1962-May: 31.
Bib	Hillegas, Mark R.	M	Annotated Biography [sic, Bibliography] of Jules Verne's <u>Voyages Extraordinaires</u> , An.	3.2 1962-May: 32-47.
Rev	Plank, Robert	M	German Study of Science Fiction, A: A Review.	3.2 1962-May: 48-50.
PL	Braun, Felix	M	Space Travel. [poem] Tr. Robert Plank.	3.2 1962-May: 51-52.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	4.1 1962-December: 1.
Art	Hamilton, John B.	M	Notes Toward a Definition of Science Fiction.	4.1 1962-December: 2-13.
Indx		n/r	Index to Extrapolation, Volume I-III, December 1959--May 1962.	4.1 1962-May: 14.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	4.2 1963-May: 15-16.
Art	Stevenson, Lionel	M	Artistic Problem, The: Science Fiction as Romance.	4.2 1963-May: 17-22..
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Current Books: Notes and Reviews: The Passing of Utopia.	4.2 1963-May: 23-25.
Art	Hillegas, Mark R.	M	Science Fiction as Cultural Phenomenon: A Re-Evaluation.	4.2 1962-May: 26-33.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	5.1 1963-December: 1.
Bib	Hillegas, Mark R.	M	Clarkson Collection of Science Fiction at Harvard, The.	5.1 1963-December: 2-14.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	[Book Review.]	5.1 1963-December: 15-16a.
Art	Kaufmann, V. [sic, Urlin] Milo	M	Brave New Improbable Worlds: Critical Notes on Extrapolation as a Mimetic Technique in Science Fiction.	5.1 1963-December: 17-24.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	From the Launching Pad.	5.2 1964-May: 25.
Art	Paris, Bernard J.	M	George Eliot, Science Fiction, and Fantasy.	5.2 1964-May: 26-30.
PL	Fuson, Ben W.	M	Poetic Precursor of Bellamy's "Looking Backward", A.	5.2 1964-May: 31-36.
Art	Johnson, William B.; Clareson, Thomas D.	M; M	Interplay of Science and Fiction, The: The Canals of Mars.	5.2 1964-May: 37-39.
Bib	Johnson, William B.	M	Checklist of Articles on the Martian Canal Controversy, A.	5.2 1964-May: 40-48.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	6.1 1964-December: 1.
Bib	Clareson, Thomas D.; Andrews, Carolyn S.	M; F	Aldous Huxley: A Bibliography 1960- 1964.	6.1 1964-December: 2-21.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	6.2 1965-May: 22.
Art	Franklin, H. Bruce	M	Science Fiction as an Index to Popular Attitudes Toward Science: A Danger, Some Problems, and Two Possible Paths.	6.2 1965-May: 23-31.
Art	[unsigned; Hughes, David Y.; from Index to v1-10]	M	Wells: Ironic Romancer.	6.2 1965-May: 32-38.
Art	Plank, Robert	M	Geography of Utopia, The: Psychological Factors Shaping the Ideal Location.	6.2 1965-May: 39-49.
Note	Meyers, Carolyn [later Rhodes, Carolyn Hodgson]	F	Request for Information, A. [for a dissertation in progress]	6.2 1965-May: 50-51.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	7.1 1965-December: 1.
Art	Armytage, W. H. G.	M	Extrapolators and Exegetes of Evolution.	7.1 1965-December: 2-17.
Art	Clareson, Thomas D.	M	Scientist as Hero in American Science-Fiction 1880-1920, The.	7.1 1965-December: 18-28.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	7.2 1966-May: 29.
Art	Merril, Judith	F	What Do You Mean--Science? Fiction? [Part One.]	7.2 1966-May: 30-46.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	New Books: Brief Notice.	7.2 1966-May: 47-48.
EM-E	Bowman, Thomas D.	M	Launching Pad, The.	8.1 1966-December: 1.
Art	Merril, Judith	F	What Do You Mean--Science? Fiction?: Part Two.	8.1 1966-December: 2-19.
Art	Patrick, J. Max	M	Inside Utopia.	8.1 1966-December: 20-24.
Indx		n/r	<u>Extrapolation</u> : A Science-Fiction Newsletter, Index to Volumes I through VI, December, 1959 through May, 1966.	8.1 1966-December: 25-29.
EM-E	Bowman, Thomas D.	M	Launching Pad, The.	8.2 1967-May: 30.
Art	Mullen, Richard D.	M	H. G. Wells and Victor Rousseau Emanuel: <u>When the Sleeper Wakes</u> and <u>The Messiah of the Cylinder</u> .	8.2 1967-May: 31-63.
Note		n.g.	Readers' Requests.	8.2 1967-May: 63.
Rev	Plank, Robert	M	Science Fiction as Mirror and Model of World Events: A Review.	8.2 1967-May: 64-66.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	9.1 1967-December: 1-2.
Art	Zaniello, Thomas	M	Outopia in Jorge Luis Borges' Fiction.	9.1 1967-December: 3-16.
Bib	Zaniello, Thomas	M	Selected Bibliography, A: Articles (in English) About Borges.	9.1 1967-December: 17.
Art	Hillegas, Mark R.	M	Course in Science Fiction, The: A Hope Deferred.	9.1 1967-December: 18-21.
Note		n.g.	First Writers' Workshop in Fantasy and Science Fiction.	9.1 1967-December: 21.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Persistence vs. Distortion of the Wellsian Vision (A Review).	9.1 1967-December: 22-23.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	9.2 1968-May: 24.
Note	Ettla, Katherine	F	Secondary Universe, The: A National Conference.	9.2 1968-May: 25.
Art	Clarke, I. F.	M	Voices Prophesying War: Problems in Research.	9.2 1968-May: 26-32.
Note		n.g.	[untitled note; re: Clarion Workshop, summer 1968.]	9.2 1968-May: 32.
Art	Armytage, W. H. G.	M	Disenchanted Mechanophobes in Twentieth Century England, The.	9.2 1968-May: 33-60.
Rev	Galbreath, Robert	M	Review.	9.2 1968-May: 61-62.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Brief Notice: Current Books.	9.2 1968-May: 63.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	10.1 1968-December: 1-4.
Art	Wilson, Robin	M	Special Report: The Clarion Science Fiction Workshop.	10.1 1968-December: 5-8.
Art	Rogers, Ivor A.	M	Time Plays of J. B. Priestley, The.	10.1 1968-December: 9-16.
Bib	West, Richard C.	M	Annotated Bibliography of Tolkien Criticism, An.	10.1 1968-December: 17-45.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Brief Notice: Some Recent Books and Magazines.	10.1 1968-December: 46-49.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	10.2 1969-May: 50-51.
Art	Delany, Samuel R.	M	About Five Thousand One Hundred And Seventy Five Words.	10.2 1969-May: 52-66.
Art	Beja, Morris	M	2001: Odyssey to Byzantium.	10.2 1969-May: 67-68.
Art	Clareson, Thomas D., ed.; Franklin, Bruce; Suvín, Darko; Asimov, Isaac; Pohl, Frederik	M; M; M; M; M	M.L.A. Forum--Science Fiction: The New Mythology [Chairman: Bruce Franklin; Panelists: Darko Suvín, Isaac Asimov, Frederik Pohl]	10.2 1969-May: 69-115.
Note		n.g.	Don't forget: [note re: Clarion Workshop, summer 1969; Secondary Universe conference, #2, 1969-10-30--1969-11-01]	10.2 1969-May: 115.
Indx		n/r	Index to Volumes I-X (1959-1969).	10.2 1969-May: [116-122].

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
<i>Second Decade: v. 11 -- 20, December 1969 -- Winter 1979</i>				
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	11.1 1969-December: 2-3.
Art	Lerner, Fred	M	First Conference: Bibliography of Science Fiction.	11.1 1969-December: 4-5.
Art	Russ, Joanna	F	Dream Literature and Science Fiction	11.1 1969-December: 6-14.
Art	Weinkauf, Mary S.	F	Edenic Motifs in Utopian Fiction.	11.1 1969-December: 15-22.
Art	Plank, Robert	M	1001 Interpretations of 2001.	11.1 1969-December: 23-24.
Art	Michaelson, L. W. [Louis W.]	M	Science Fiction and the Rate of Social Change.	11.1 1969-December: 25-27.
Rev	Clareson, Thomas D., [signed as:] TDC	M	Current Books: Reviews and Brief Mention.	11.1 1969-December: 28-30,
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	11.2 1970-May: 32-33.
Art	Brunner, John	M	Genesis of "Stand on Zanzibar" and Digressions, The.	11.2 1970-May: 34-43.
Art	Suin, Darko	M	Significant Themes in the Criticism of Soviet Science Fiction to 1965 [with] A Select Bibliography of Soviet Criticism.	11.2 1970-May: 44-52.
Art	Williamson, Jack	M	As I Knew Hugo.	11.2 1970-May: 53-55.
Bib	Clareson, Thomas D.	M	First Installment: Annotated Bibliography of Critical Writings Dealing with Science Fiction, An.	11.2 1970-May: 56-78.
Bib	Holmberg, John Henri	M	European Scene, The: Sweden.	11.2 1970-May: 78-79.
Art	Bohdanowicz, Ladislaw [respondant]; Butler, Francelia [interviewer]	M; F	European Scene, The: Poland.	11.2 1970-May: 79-81.
Art	Rottensteiner, Franz	M	European Scene, The: Germany.	11.2 1970-May: 82-83.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	12.1 1970-December: 3-4.
Ltr	Suin, Darko; [comment: Clareson, Thomas D.]	M; M	Letter to the Editor; [Editor's response].	12.1 1970-December: 5-6.
Art	Fuson, Ben	M	Three Kansas Utopian Novels of 1890.	12.1 1970-December: 7-24.
Note		n.g.	<u>Extrapolation</u> , v. 1-10 . . . [Johnson Reprint corp.]	12.1 1970-December: 24.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Clareson, Thomas D., [signed as:] TDC	M	Reviews and Brief Mention.	12.1 1970-December: 25-29.
Art	Parkin Speer, Diane	F	Heinlein's The Door into Summer and Roderick Random.	12.1 1970-December: 30-34.
Bib	Clareson, Thomas D.	M	Annotated Bibliography of Critical Writings Dealing with Science Fiction, An. [ToC: Second Installment]	12.1 1970-December: 35-59.
Note	[Kuczka, Peter; Clareson, Thomas D.]	M; M	[News: SF Hirado].	12.1 1970-December: 59.
Art	Rojas, Billy	M	Futuristics at Massachusetts.	12.1 1970-December: 60.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The: SFRA.	12.2 1971-May: 63-66.
Art	Williamson, Jack	M	Science Fiction Comes To College.	12.2 1971-May: 67-78.
Art	Kagle, Stephen Earl	M	Societal Quest, The.	12.2 1971-May: 79-85.
Art	Miesel, Sandra	F	Samuel R. Delany's Use of Myth in "Nova".	12.2 1971-May: 86-93.
Rev	Williamson, Jack	M	Reviews and Brief Mention.	12.2 1971-May: 94-96.
Rev	Clareson, Thomas D., [signed as:] TDC	M	Reviews and Brief Mention.	12.2 1971-May: 96-98.
Art	Mitchell, John A.; [Macdonnel, Angus Peter; Clareson, Thomas D.]	M; M; M	John A. Mitchell's "Drowsy": "A Most Unusual Country".	12.2 1971-May: 99-105.
Art	Teitler, Stuart A.	M	Projected Bibliography, A: "By The World Forgot".	12.2 1971-May: 106-108.
Bib	Clareson, Thomas D.	M	Annotated Bibliography of Material Dealing with Science Fiction, An [Third and concluding installment].	12.2 1971-May: 109-145.
Note	[Mullen, Dale]	M	Help Wanted: Bibliographers.	12.2 1971-May: 146.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	13.1 1971-December: 3-4.
Art	Smith, Curtis C.	M	Olaf Stapledon: Saint and Revolutionary.	13.1 1971-December: 5-15.
Art	Parkinson, Robert C.	M	Dune--An Unfinished Tetrology.	13.1 1971-December: 16-24.
Art	Rhodes, Carolyn H. [formerly: Meyers, Carolyn H.]	F	Intelligence Testing in Utopia.	13.1 1971-December: 25-47.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	O'Connor, Gerard	M	Why Tolkien's The Lord of the Rings Should Not Be Popular Culture.	13.1 1971-December: 48-55.
Art	Barthell, Robert J.	M	SF: A Literature of Ideas.	13.1 1971-December: 56-63.
Art	Reilly, Robert	M	Artistry of Ray Bradbury, The.	13.1 1971-December: 64-74.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Reviews: Science Fiction in 1971.	13.1 1971-December: 75-79.
Note	[unsigned; Clareson, Thomas D.]	M	[In memorium.]	13.1 1971-December: 80.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	13.2 1972-May: 83-84.
Art	Rogers, Ivor	M	Things That Go Bump in the Night: Redemption of Physical Reality in SF Films.	13.2 1972-May: 85-91.
Art	Philmus, Robert M.	M	C. S. Lewis and the Fictions of 'Scientism'.	13.2 1972-May: 92-101.
Art	Simak, Clifford D.	M	"Room Enough for All of Us".	13.2 1972-May: 102-105.
EM-E	[unsigned; Clareson, Thomas D.]	M	SF in the Classroom. [introduction]	13.2 1972-May: 106.
Art	Hogan, Patrick G., Jr.	M	SF in the Classroom. 1. Opportunities and Limitations.	13.2 1972-May: 106-111.
Art	Burgess, Andrew J.	M	SF in the Classroom. 2. Teaching Religion Through Science Fiction.	13.2 1972-May: 112-115.
Art	Pfeiffer, John R.	M	SF in the Classroom. 3. USAFA: "English, Special Topics 495": Spring 1971.	13.2 1972-May: 116-118.
Art	Eisenstein, Alex	M	Very Early Wells: Origins of Some Major Physical Motifs in <i>The Time Machine</i> and <i>The War of the Worlds</i> .	13.2 1972-May: 119-126.
Rev	Patrouch, Joseph, Jr.	M	Reviews: <i>The Gods Themselves</i> by Isaac Asimov.	13.2 1972-May: 127-131.
Rev	Clareson, Thomas D., [signed as:] TDC	M	Reviews: New Books [and Brief Mention].	13.2 1972-May: 131-132.
Art	Panshin, Alexei; Panshin, Cory [ToC: Panchin]	M; F	First Chapter: <i>The World Beyond the Hill</i> .	13.2 1972-May: 133-145.
Art	Schofield, Jack	M	Cosmic Imagery in <i>A Voyage to Arcturus</i> .	13.2 1972-May: 146-151.
Art	Weinkauf, Mary S.	F	Theme for SF: Aesthetics and Overpopulation.	13.2 1972-May: 152-164.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	14.1 1972-December: 3-5.
Art	Newell, Kenneth B.	M	Science Fiction and the Merging of Realism and Romance.	14.1 1972-December: 6-12.
Art	Kandel, Michael	M	Stanislaw Lem on Men and Robots.	14.1 1972-December: 13-24.
Art	Connelly, Wayne C.	M	Optimism in Anthony Burgess's <i>A Clockwork Orange</i> .	14.1 1972-December: 25-29.
Art	Wolfe, Gary K.	M	Limits of Science Fiction, The.	14.1 1972-December: 30-38.
Art	Callahan, Patrick J.	M	<i>Frankenstein</i> , Bacon, and the Two Truths.	14.1 1972-December: 39-48.
Art	Friend, Beverly	F	Virgin Territory: Women and Sex in Science Fiction.	14.1 1972-December: 49-58.
Art	O'Hare, Colman	M	On Reading an 'Old' Book.	14.1 1972-December: 59-63.
Art	Clareson, Thomas D.	M	SF in the Classroom: English 390: Special Topics.	14.1 1972-December: 64-66.
Rev	Galbreath, Robert	M	Reviews: An SF Bibliography.	14.1 1972-December: 67-68.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Brief Mention; Forthcoming.	14.1 1972-December: 69-72.
Art	Ketterer, David	M	<i>Solaris</i> and the Illegitimate Suns of Science Fiction.	14.1 1972-December: 73-89.
Art	Mumper, Mark	M	SF: A Literature of Humanity.	14.1 1972-December: 90-93.
Adv	[Advertisement; for:]	n/r	<i>Foundation, A Science Fiction Review</i> .	14.1 1972-December: 94.
EM-C		n/r	Contributors.	14.1 1972-December: 95.
Adv	[Advertisement; for:]	n/r	<i>Riverside Quarterly</i> .	14.1 1972-December: 96.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	14.2 1973-May: 98-99.
Art	Plank, Robert	M	Place of Evil in Science Fiction, The.	14.2 1973-May: 100-111.
Art	Griffin, Russell M.	M	Medievalism in <i>A Canticle for Leibowitz</i> .	14.2 1973-May: 112-125.
Art	Walker, Mary Jo	F	Fantastic Tale: Science Fiction at Eastern New Mexico University.	14.2 1973-May: 126-128.
Art	Stover, Leon	M	Science Fiction, the Research Revolution, and John Campbell; [including:] Folio: Science Fiction as a Response to the Research Revolution; [and,] Checklist of John Campbell's Fiction.	14.2 1973-May: 129-132, 142-148.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Pine, Martha; Petrafaso, Ginger	F; F	SF in the Classroom: Science Fiction in High School.	14.2 1973-May: 149-151.
Art	Livingston, Dennis	M	Science Fiction Taught as Futurology.	14.2 1973-May: 152-156.
Art	Wymer, Thomas L.	M	Cordwainer Smith: Satirist or Male Chauvinist.	14.2 1973-May: 157-162.
Rev	Brown, James W.	M	Reviews: <u>Brave New</u> (Latin) <u>World</u> .	14.2 1973-May: 163-165.
Rev	Kennedy, Veronica M. S.	F	Reviews: <i>Master of Middle Earth</i> .	14.2 1973-May: 165-166.
Rev	[unsigned; Claerson, Thomas D.]	M	Brief Mention.	14.2 1973-May: 166.
Art	Aldiss, Brian	M	Billion Year Spree, The: I. Origin of the Species.	14.2 1973-May: 167-191.
EM-C		n/r	Contributors.	14.2 1973-May: 192.
Adv	[Advertisement; for:]	n/r	GBS and Science Fiction. [special issue of: <i>The Shaw Review</i>]	14.2 1973-December: 193.
Indx		n/r	<i>Extrapolation</i> : Index to v. 1-14 (1959-1973).	14.2 1973-May: 195+ 12p.
EM-E	Claerson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The: Fifteenth Anniversary.	15.1 1973-December: 2-5.
Art	Yoke, Carl B.	M	Zelazny's <i>Damnation Alley</i> : Hell Noh.	15.1 1973-December: 6-16.
Art	McClintock, Michael W.	M	Some Preliminaries to the Criticism of Science Fiction.	15.1 1973-December: 17-24.
Art	Kleiner, Elaine L.	F	Joseph Conrad's Forgotten Role in the Emergence of Science Fiction.	15.1 1973-December: 25-34.
Art	Munson, Ronald	M	SF: The Literature of Possibility.	15.1 1973-December: 35-41.
Art	Hall, H. W.	M	Bibliographic Control of Science Fiction, The.	15.1 1973-December: 42-50.
Art	Russ, Joanna	F	Speculations: The Subjunctivity of Science Fiction.	15.1 1973-December: 51-59.
Rev	Galbreath, Robert	M	Reviews and Brief Mention: The Occult in 19th Century American Fiction.	15.1 1973-December: 60-62.
Rev	Claerson, Thomas D., [signed as:] T. D. C.	M	Brief Mention; Reprint Series.	15.1 1973-December: 62-65.
Art	Pauly, Rebecca M.	F	Moral Stance of Kurt Vonnegut, The.	15.1 1973-December: 66-71.
Art	O'Connor, Gerard	M	Many Ways to Read an Old Book, The.	15.1 1973-December: 72-74.
Art	Samuelson, David	M	New Wave, Old Ocean: A Comparative Study of Novels by Brunner and Delany.	15.1 1973-December: 75-96.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	15.1 1973-December: 97/ibc.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	15.2 1974-May: 99-102.
Art	Park, Martha Mayes	F	<u>Archibald Malmaison</u> : Julian Hawthorne's Contribution to Gothic Fiction.	15.2 1974-May: 103-116.
Art	Mobley, Jane	F	Toward a Definition of Fantasy Fiction.	15.2 1974-May: 117-128.
Art	Ower, John	M	Idea and Imagery in Herbert's <u>Dune</u> .	15.2 1974-May: 129-139.
Art	Kam, Rose Sallberg	F	SF in the Classroom: I. Science Fiction in the High School.	15.2 1974-May: 140-143.
Art	Lund, Orval A., Jr.	M	SF in the Classroom: II. SF as an Undergraduate Elective.	15.2 1974-May: 143-148.
Art	Baddock, Barry; Gunn, James	M; M	SF in the Classroom: III. Science Fiction Readership on Campus.	15.2 1974-May: 148-151.
Rev	Lloyd, Paul M.	M	Reviews and Brief Mention: Two European Studies.	15.2 1974-May: 152-154.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Brief Mention; Continuum Books; And an Anthology.	15.2 1974-May: 155-160.
Art	Wood Glicksohn, Susan	F	Martian Point of View, The.	15.2 1974-May: 161-173.
Art	Tuma, George W.	M	Biblical Myth and Legend in <u>Tower of Glass</u> : Man's Search for Authenticity.	15.2 1974-May: 174-191.
EM-C		n/r	Contributors.	15.2 1974-May: 192.
CfP	[Call for Papers & Note on Conference & on Workshop]	n/r	Science Fiction Research Association Annual Meeting [and] Workshop on Teaching Science Fiction in the High School and College Classroom.	15.2 1974-May: 193/ibc.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	16.1 1974-December: 3-6.
Art	Kelley, Michael R.	M	Chaucer's <i>House of Fame</i> : England's Earliest Science Fiction.	16.1 1974-December: 7-16.
Art	Klass, Philip [aka: Tenn, William]	M	Innocent in Time, An: Mark Twain in King Arthur's Court.	16.1 1974-December: 17-32.
Bib	Newman, John	M	America at War: Horror Stories for a Society.	16.1 1974-December: 33-41.
Rev	Hogan, Patrick G., Jr.	M	Reviews and Brief Mention: Study of Utopia, A.	16.1 1974-December: 42-44.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Fredericks, S. C.	M	Reviews and Brief Mention: Structuralist View of Fantasy, A.	16.1 1974-December: 45-47.
Rev	Bailey, J. O.	M	Reviews and Brief Mention: Richard McKenna's Science Fiction.	16.1 1974-December: 48-49.
Rev	Clareson, Thomas D.	M	Reviews and Brief Mention: Hyperion Press Reprint Series, The; Brief Mention; [and] P. S.	16.1 1974-December: 49-52.
Art	Campbell, Ian	M	Science Fiction of John Leslie Mitchell, The.	16.1 1974-December: 53-63.
Art	Stanton, Michael N.	M	Startled Muse, The: Emerson and Science Fiction.	16.1 1974-December: 64-66.
Art	Bradham, Jo Allen	F	Case in James Blish's <u>A Case of Conscience</u> , The.	16.1 1974-December: 67-80.
Art	Canary, Robert H.	M	Science Fiction as Fictive History.	16.1 1974-December: 81-94.
EM-M		n/r	In the May Issue.	16.1 1974-December: 95.
EM-C		n/r	Contributors.	16.1 1974-December: 96.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	16.2 1975-May: 99-102.
Art	Wymer, Thomas L.	M	Perception and Value in Science Fiction.	16.2 1975-May: 103-112.
Art	Showalter, Dennis E.	M	Heinlein's <i>Starship Troopers</i> : An Exercise in Rehabilitation.	16.2 1975-May: 113-124.
Rev	Clareson, Thomas D.	M	Reviews and Brief Mention: Studies of Lovecraft and Asimov, Brief Mention; [and] Moskowitz and Hyperion Again.	16.2 1975-May: 125-129.
Art	Neuleib, Janice	F	Technology and Theocracy: The Cosmic Voyages of Wells and Lewis.	16.2 1975-May: 130-136.
Art	Sargent, Lyman Tower	M	Utopia--the Problem of Definition.	16.2 1975-May: 137-148.
Art	Godshalk, William L.	M	Alfred Bester: Science Fiction or Fantasy?	16.2 1975-May: 149-155.
Art	Copeland, Thomas A.	M	Francis Godwin's <i>The Man in the Moone</i> : A Picaresque Satire.	16.2 1975-May: 156-163.
Bib	Newman, John	M	America at War: Horror Stories for a Society. Part Two.	16.2 1975-May: 164-172.
Art	Plank, Robert	M	Presidency in Science Fiction, The.	16.2 1975-May: 173-191.
EM-C		n/r	Contributors.	16.2 1975-May: 192.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	17.1 1975-December: 3-4.
Art	Aldiss, Brian	M	In Memoriam: James Blish.	17.1 1975-December: 5-7.
Art	Allen, Dick	M	What Rough Beast: SF-Oriented Poetry.	17.1 1975-December: 8-17.
Art	Kam, Rose Sallberg	F	Silverberg & Conrad: Explorers of Inner Darkness.	17.1 1975-December: 18-28.
Art	Baddock, Barry	M	SF in the Classroom: 1. A Look at Student Projects.	17.1 1975-December: 29-31.
Art	Statuti, Jude Anne, Sr., C.S.B.	F	SF in the Classroom: 2. SF in the High School.	17.1 1975-December: 31-34.
Bib	Pfeiffer, John	M	Black American Speculative Literature: A Checklist.	17.1 1975-December: 35-43.
Art	Samuelson, David N.	M	Spinning Galaxy, The: A Shift in Perspective on Magazine SF.	17.1 1975-December: 44-48.
Rev	Fredericks, S. C.	M	Reviews and Brief Mention: Toward a Critical Theory of SF.	17.1 1975-December: 49-51.
Rev	[unsigned; Clareson, Thomas D.]	M	Reviews and Brief Mention: Brief Mention.,	17.1 1975-December: 52-53.
Bib	Frank, Frederick S.	M	Bibliography of Writings about Ann Radcliffe, A.	17.1 1975-December: 54-62.
Art	Warrick, Patricia	F	Sources of Zamyatin's <u>We</u> in Dostoevsky's <u>Notes From Underground</u> , The.	17.1 1975-December: 63-77.
Bib	Tymn, Marshall	M	Checklist of American Critical Works on SF, A: 1972-1973.	17.1 1975-December: 78-96.
EM-C		n/r	Contributors.	17.1 1975-December: IBC/iii.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	17.2 1976-May: 99-101.
Art	Pohl, Frederik	M	Reminiscence: Cyril M. Kornbluth.	17.2 1976-May: 102-109.
Art	Jannone, Claudia	F	<u>Venus on the Half Shell</u> as Structuralist Activity.	17.2 1976-May: 110-117.
Art	Erlich, Richard D.	M	SF: in the Classroom: Strange Odyssey: From Dart and Ardrey to Kubrick and Clarke.	17.2 1976-May: 118-124.
Art	Lothamer, Eileen	F	Science and Pseudo-Science in George Eliot's <u>The Lifted Veil</u> .	17.2 1976-May: 125-132.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Clareson, Thomas D.	M	Review and Brief Mention: Reprints, Reprints Galore!	17.2 1976-May: 133-140.
Art	Schmidt, Stanley	M	SF in the Classroom: Science Fiction and the Science Teacher.	17.2 1976-May: 141-150.
Art	Wolf, Jack C.	M	Science Fiction and the Fallacy of Hope.	17.2 1976-May: 151-152.
Art	Kroitor, Harry P.	M	Special Demands of Point of View in Science Fiction, The.	17.2 1976-May: 153-159.
Art	Stover, Leon E.	M	Is Jaspers Beer Good for You?: Mass Society and Counter Culture in Herbert's <i>Santaroga Barrier</i> .	17.2 1976-May: 160-167.
Art	Aldiss, Brian	M	On Being a Literary Pariah.	17.2 1976-May: 168-171.
Art	Berman, Jeffrey	M	Forster's Other Cave: The Platonic Structure of <i>The Machine Stops</i> .	17.2 1976-May: 172-181.
Bib	Clareson, Thomas D. [unsigned; Clareson, Thomas D. ?]	M	Guide to Teachers of Science Fiction, A: First Installment.	17.2 1976-May: 182-183.
EM-C		n/r	Contributors.	17.2 1976-May: 184.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	18.1 1976-December: 2-5.
Art	Badami, Mary Kenny	F	Feminist Critique of Science Fiction, A.	18.1 1976-December: 6-19.
Bib	Fergus, George	M	Checklist of SF Novels with Female Protagonists, A.	18.1 1976-December: 20-27.
Art	Remington, Thomas J.	M	Touch of Difference, A Touch of Love, A: Theme in Three Stories by Ursula K. Le Guin.	18.1 1976-December: 28-41.
Art	Stewart, Alfred D.	M	Fred Saberhagen: Cybernetic Psychologist.	18.1 1976-December: 42-51.
Art	Hollow, John	M	Last Resort: <u>The End of August at the Ozone Hotel</u> .	18.1 1976-December: 52-56.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Reviews and Brief Mention.	18.1 1976-December: 57-58.
Bib	Wymer, Thomas	M	Speculative Fiction, Bibliographies, and Philip José Farmer.	18.1 1976-December: 59-72.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, The: 1974.	18.1 1976-December: 73-96.
EM-C		n/r	Contributors.	18.1 1976-December: IBC/iii.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	18.2 1977-May: 99-106.
Art	Sklepowich, Edward A.	M	Fictive Quest, The: Effinger's <u>What Entropy Means to Me</u> .	18.2 1977-May: 107-115.
Art	Gardiner, H. Jane	F	Images of <u>The Waste Land</u> in Delany's <u>The Einstein Intersection</u> .	18.2 1977-May: 116-123.
Art	Letson, Russell	M	Worlds of Philip Jose Farmer, The.	18.2 1977-May: 124-130.
Art	Cogell, Elizabeth C[ummins]. [later: Cummins, Elizabeth]	F	Setting as Analogue to Characterization in Ursula Le Guin.	18.2 1977-May: 131-141.
Rev	Mobley, Jane	F	Reviews and Brief Mention: Recent Studies of Fantasy.	18.2 1977-May: 142-147.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Reviews and Brief Mention: Brief Mention.	18.2 1977-May: 148-149.
Art	Koenig, Peter W.	M	Interviews with Two German Science Fiction Writers.	18.2 1977-May: 150-154.
Art	Aukerman, Charles W.	M	SF in the Classroom: Developing a High School Reading List.	18.2 1977-May: 155-161.
Art	Crow, John; Erlich, Richard	M; M	Mythic Patterns in Ellison's <u>A Boy and His Dog</u> .	18.2 1977-May: 162-166.
Art	Ower, John	M	Theme and Technique in H. G. Wells's "The Star".	18.2 1977-May: 167-175.
Art	Reilly, Robert	M	Discerning Conscience, The.	18.2 1977-May: 176-180.
Art	Storm, Melvin G., Jr.	M	Thematic Parallelism in <u>Tono-Bungay</u> : "Night and the Open Sea" as Structural Device.	18.2 1977-May: 181-185.
Art	Autrey, Max L.	M	Edgar Allan Poe's Satiric View of Evolution.	18.2 1977-May: 186-199.
EM-C		n/r	Contributors.	18.2 1977-May: 200.
EM-E	[unsigned; Clareson, Thomas D.]	M	Launching Pad, The.	19.1 1977-December: 2-3.
EM-E	Aldridge, Alexandra; Beauchamp, Gorman	F; M	Launching Pad, The: The Guest Editors. [in: Special Utopias Issue]	19.1 1977-December: 3.
Art	Wagar, W. Warren	M	Utopian Studies and Utopian Thought: Definitions and Horizons. [in: Special Utopias Issue]	19.1 1977-December: 4-12.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Suin, Darko	M	SF Theory: Internal and External Delimitations and Utopia (Summary). [in: Special Utopias Issue]	19.1 1977-December: 13-15.
Art	Sargent, Lyman Tower	M	Opportunities for Research on Utopian Literature to 1900. [in: Special Utopias Issue]	19.1 1977-December: 16-26.
Art	Abrash, Merritt	M	Missing the Point in More's <u>Utopia</u> . [in: Special Utopias Issue]	19.1 1977-December: 27-38.
Art	Sargent, Lyman Tower	M	Ambiguous Legacy, An: The Role and Position of Women in the English Eutopia. [in: Special Utopias Issue]	19.1 1977-December: 39-49.
Art	Segal, Howard P.	M	<u>Young West</u> : The Psyche of Technological Utopianism. [in: Special Utopias Issue]	19.1 1977-December: 50-58.
Art	Hughes, David Y.	M	Mood of <u>A Modern Utopia</u> , The. [in: Special Utopias Issue]	19.1 1977-December: 59-67.
Art	Aldridge, Alexandra	F	Myths of Origin and Destiny in Literature: Zamiatin's <u>We</u> . [in: Special Utopias Issue]	19.1 1977-December: 68-75.
Art	Samuelson, David N.	M	<u>Limbo</u> : The Great American Dystopia. [in: Special Utopias Issue]	19.1 1977-December: 76-87.
Art	Beauchamp, Gorman [ToC: Gordon]	M	Cultural Primitivism as Norm in the Dystopian Novel. [in: Special Utopias Issue]	19.1 1977-December: 88-96.
EM-C		n/r	Contributors.	19.1 1977-December: IBC/iii.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	19.2 1978-May: 99-100.
Art	Wilson, Raymond J.	M	Asimov's Mystery Story Structure.	19.2 1978-May: 101-107.
Art	Neuleib, Janice	F	Of Other Worlds: Worldly Wisdom as It Grows in Science Fiction.	19.2 1978-May: 108-111.
Art	De Bolt, Joe	M	Patterns of Science Fiction Readership Among Academics.	19.2 1978-May: 112-125.
Art	Purcell, James M[ark]	M	Tarkovsky's Film <u>Solaris</u> (1972): A Freudian Slip?	19.2 1978-May: 126-131.
Art	Weedman, Jane	F	Delany's <u>Babel-17</u> : The Powers of Language.	19.2 1978-May: 132-137.
Rev	Steen, Sara Jayne	F	Reviews and Brief Mention: Too Far From Shore.	19.2 1978-May: 138-139.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	[unsigned; Clareson, Thomas D.]	M	Reviews and Brief Mention: Brief Mention.	19.2 1978-May: 139-140.
Art	Hills, Norman L.	M	Charles L. Harness: The Flowering of Melodrama.	19.2 1978-May: 141-148.
Art	Tucker, Frank H.	M	Patterns in German Science Fiction.	19.2 1978-May: 149-155.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, The: [1975].	19.2 1978-May: 156-191.
EM-C		n/r	Contributors.	19.2 1978-May: 192.
EM-C		n/r	Contributors.	20.1 1979-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	20.1 1979-Spring: 3-4, 100-101.
Art	Rabkin, Eric S.	M	Determinism, Free Will, and Point of View in LeGuin's <i>The Left Hand of Darkness</i> .	20.1 1979-Spring: 5-19.
Art	Hark, Ina Rae	F	Star Trek and Television's Moral Universe.	20.1 1979-Spring: 20-37.
Art	Hull, Elizabeth Anne	F	Justifying the Ways of Man to God: The Novels of Robert A. Heinlein.	20.1 1979-Spring: 38-49.
Art	Valis, Noël M.	F	<i>The Martian Chronicles</i> and Jorge Luis Borges.	20.1 1979-Spring: 50-59.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, 1976, The.	20.1 1979-Spring: 60-99.
Rev	[unsigned; Clareson, Thomas D.]	M	Books.	20.1 1979-Spring: 102-103.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	20.1 1979-Spring: 104.
Adv	[Advertisement; for:]	n/r	Yale University Press	20.1 1979-Spring: ibc.
Adv	[Advertisement; for:]	n/r	Columbia University Press	20.1 1979-Spring: bca.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription]	20.1 1979-Spring: bcb.
EM-C		n/r	Contributors.	20.2 1979-Summer: 106.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	20.2 1979-Summer: 107-108.
Art	Letson, Russell	M	"Falling Through Many Trapdoors": Robert Silverberg.	20.2 1979-Summer: 109-117.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Nardo, A[nn]a. K.	F	Decorum in the Fields of Arbol: Interplanetary Genres in C. S. Lewis's Space Trilogy.	20.2 1979-Summer: 118-128.
Art	Morressy, John	M	SF in the Classroom: A First Attempt at Franklin Pierce.	20.2 1979-Summer: 129-132.
Art	Warrick, Patricia S.	F	Labyrinthian Process of the Artificial, The: Dick's Androids and Mechanical Constructs.	20.2 1979-Summer: 133-153.
Art	Hennelly, Mark M., Jr.	M	<i>Time Machine, The</i> : A Romance of "The Human Heart".	20.2 1979-Summer: 154-167.
Art	Pinkerton, Jan	F	Backward Time Travel, Alternate Universes, and Edward Everett Hale.	20.2 1979-Summer: 168-175.
Art	Hassler, Donald M.	M	Images for an Ethos, Images for Change and Style.	20.2 1979-Summer: 176-188.
Rev	[unsigned; Claeson, Thomas D.]	M	Books.	20.2 1979-Summer: 189-193.
Adv	[Advertisement; for:]	n/r	Science Fiction Seminar Abroad	20.2 1979-Summer: 195.
Adv	[Advertisement; for:]	n/r	<i>Alternative Futures: The Journal of Utopian Studies</i>	20.2 1979-Summer: 197.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	20.2 1979-Summer: 199a.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription]	20.2 1979-Summer: 199b.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	20.2 1979-Summer: 200.
Adv	[Advertisement; for:]	n/r	<i>Science Fiction & Fantasy Book Review</i>	20.2 1979-Summer: ibc.
Adv	[Advertisement; for:]	n/r	Oxford University Press	20.2 1979-Summer: bc.
EM-C		n/r	Contributors.	20.3 1979-Fall: 202.
EM-E	Claeson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	20.3 1979-Fall: 203-204, 288.
Art	Wheatley, Barbara	F	Teaching Linguistics Through Science Fiction and Fantasy.	20.3 1979-Fall: 205-213.
Art	Parkin-Speer, Diane	F	Robert A. Heinlein: The Novelist as Preacher.	20.3 1979-Fall: 214-222.
Art	Thompson, Raymond H.	M	<i>Shai Dorsai!</i> : A Study of the Hero Figure in Gordon R. Dickson's <i>Dorsai</i> .	20.3 1979-Fall: 223-229.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Stevens, David	M	Incongruity in a World of Illusion: Patterns of Humor in Peter Beagle's <i>The Last Unicorn</i> .	20.3 1979-Fall: 230-237.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, 1977, The.	20.3 1979-Fall: 238-287.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription]	20.3 1979-Fall: 288.
Rev	[unsigned; Clareson, Thomas D.]	M	Books.	20.3 1979-Fall: 289-294.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address]	20.3 1979-Fall: 294.
CfP	[Call for Papers]	n/r	Call for Conference Papers. J. Lloyd Eaton Conference, 2nd, 1978-02-23/24.	20.3 1979-Fall: 295.
CfP	[Call for Papers]	n/r	Special Call for Papers (<i>Alternative Futures</i>).	20.3 1979-Fall: 296.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	20.3 1979-Fall: ibc.
Adv	[Advertisement; for:]	n/r	Longman, Inc.	20.3 1979-Fall: bc.
EM-C		n/r	Contributors.	20.4 1979-Winter: 298.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	20.4 1979-Winter: 298-300.
CfP	[Call for Papers]	n/r	Call for Articles [for <i>Extrapolation</i> : "a special issue on women writers to appear in the Fall of 1980"].	20.4 1979-Winter: 300.
Art	Morris, Christine	F	Indians and Other Aliens: A Native American View of Science Fiction.	20.4 1979-Winter: 301-307.
Art	Weinkauf, Mary S.	F	Indian in Science Fiction, The.	20.4 1979-Winter: 308-320.
Art	Palumbo, Donald	M	William Burroughs' Quartet of Science Fiction Novels as Dystopian Social Satire.	20.4 1979-Winter: 321-329.
Art	Eckley, Grace	F	<i>Finnegans Wake</i> in the Work of James Blish.	20.4 1979-Winter: 330-342.
Art	Wendell, Carolyn	F	Alien Species, The: A Study of Women Characters in the Nebula Award Winners, 1965-1973.	20.4 1979-Winter: 343-354.
Art	Ahearn, Marie L.	F	Science Fiction in the Mainstream Novel: Doris Lessing.	20.4 1979-Winter: 355-367.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Cocks, Geoffrey	M	War, Man, and Gravity: Thomas Pynchon and Science Fiction.	20.4 1979-Winter: 368-377.
Art	Rubens, Philip M.	M	Descents into Private Hells: Harlan Ellison's "Psy-Fi".	20.4 1979-Winter: 378-385.
Rev	[unsigned; Claeson, Thomas D.]	M	Books.	20.4 1979-Winter: 386-389.
Indx		n/r	<i>Extrapolation</i> Index to Volume 20.	20.4 1979-Winter: 390-392.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	20.4 1979-Winter: ibc.
Adv	[Advertisement; for:]	n/r	New American Library	20.4 1979-Winter: bc.
<i>Third Decade: v. 21 – 30, Spring 1980 – Winter 1989</i>				
EM-C		n/r	Contributors.	21.1 1980-Spring: 2.
EM-E	Claeson, Thomas D., [signed as:] TDC, CBY, MTB [Yoke, Carl B.; Brizzi, Mary T. [later: Turzillo]]	M; M; F	Launching Pad, The.	21.1 1980-Spring: 3-4.
Art	Foust, R. E.	M	Fabulous Paradigm: Fantasy, Meta-Fantasy, and Peter S. Beagle's <i>The Last Unicorn</i> .	21.1 1980-Spring: 5-20.
Art	Frank, Frederick S.	M	Gothic at Absolute Zero, The: Poe's <i>Narrative of Arthur Gordon Pym</i> .	21.1 1980-Spring: 21-30.
Art	McGhan, Barry	M	Sociological Factors in the Use of Science Fiction in High School.	21.1 1980-Spring: 31-44.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, The: 1978.	21.1 1980-Spring: 45-89.
Rev	[unsigned; index: Claeson, Thomas D.]	M	Books.	21.1 1980-Spring: 90-95.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	21.1 1980-Spring: 96.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	21.1 1980-Spring: ibc.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	21.1 1980-Spring: bc.
EM-C		n/r	Contributors.	21.2 1980-Summer: 98.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] TDC; CBY [Yoke, Carl B.]	M; M	Launching Pad, The.	21.2 1980-Summer: 99-100, 190.
Art	Lavery, David L.	M	"Genius of the Sea, The": Wallace Stevens' "The Idea of Order at Key West", Stanislaw Lem's <i>Solaris</i> , and the Earth as a Muse.	21.2 1980-Summer: 101- 105.
Art	Yoke, Carl B.	M	Personality Metamorphosis in Roger Zelazny's "The Doors of His Face, the Lamps of His Mouth".	21.2 1980-Summer: 106- 121.
Art	Stevens, C[arol] D.	F	High Fantasy versus Low Comedy: Humor in J. R. R. Tolkien.	21.2 1980-Summer: 122- 129.
Art	Jakiel, S. James; Levinthal, Rosandra E.	M; F	Laws of Time Travel, The.	21.2 1980-Summer: 130- 138.
Art	Carter, Steven R.	M	Harry Harrison's <i>The Adventures of the Stainless Steel Rat: A Study in Multiple Interfaces</i> .	21.2 1980-Summer: 139- 145.
Art	Bray, Mary Kay	F	Mandalic Activism: An Approach to Structure, Theme, and Tone in Four Novels by Philip K. Dick.	21.2 1980-Summer: 146- 157.
Art	McLeod, Patrick G.	M	Frankenstein: Unbound and Otherwise.	21.2 1980-Summer: 158- 166.
Art	Knighten, Merrell A.	M	Gulag Gateway, The: Critical Approaches to Science Fiction.	21.2 1980-Summer: 167- 171.
Bib	Espley, John L.	M	H. Beam Piper: An Annotated Bibliography.	21.2 1980-Summer: 172- 181.
Rev	Hassler, Donald M.	M	Books: Dynamics of the Genre.	21.2 1980-Summer: 182- 184.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: A Sound Appraisal of the American Science-Fiction Magazines.	21.2 1980-Summer: 184- 185.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: For Once, Then, Affirmation.	21.2 1980-Summer: 185- 186.
Ltr	LaBar, Martin	M	Reaction Time: The Left Hand of Sexism? Women as the Alien Species on Gethen.	21.2 1980-Summer: 187- 189.
Adv	[Advertisement; for:]	n/r	<i>Gothic</i>	21.1 1980-Summer: 191.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	21.2 1980-Summer: 192.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Advertisement; for:]	n/r	"Technology and Pessimism" special issue of: <i>Alternative Futures: The Journal of Utopian Studies</i> .	21.2 1980-Summer: ibc.
Adv	[Advertisement; for:]	n/r	New American Library.	21.2 1980-Summer: bc.
EM-C		n/r	Contributors.	21.3 1980-Fall: 194.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	21.3 1980-Fall: 195-196, 298.
EM-E	Yoke, Carl	M	Precious Metal in White Clay. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 197-208.
Art	Bain, Dena C. [later: Taylor, Dena Bain]	F	<i>Tao Te Ching</i> as Background to the Novels of Ursula K. Le Guin, The. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 209-222.
Art	Arbur, Rosemarie	F	Le Guin's "Song" of Inmost Feminism. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 223-226.
Art	Brown, Barbara	F	Left Hand of Darkness, The: Androgyny, Future, Present, and Past. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 227-235.
Art	Moylan, Tom	M	Beyond Negation: The Critical Utopias of Ursula K. Le Guin and Samuel R. Delany. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 236-253.
Art	Bailey, Edgar C., Jr.	M	Shadows in Earthsea: Le Guin's Use of a Jungian Archtype. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 254-261.
Art	Galbreath, Robert	M	Taoist Magic in the Earthsea Trilogy. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 262-168.
Art	Attebery, Brian	M	On a Far Shore: The Myth of Earthsea. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 269-277.
Art	Remington, Thomas J.	M	Time to Life and a Time to Die, A: Cyclical Renewal in the Earthsea Trilogy. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 278-286.
Art	Manlove, C. N.	M	Conservatism in the Fantasy of Le Guin. [In: Special Ursula K. Le Guin Issue]	21.3 1980-Fall: 287-297.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Le Guin's Latest Novel: A New Beginning Place? [fiction review]	21.3 1980-Fall: 299-301.
Rev	[unsigned; index: Clareson, Thomas D.]	M	Books: Valuable New Bibliographic Studies.	21.3 1980-Fall: 301-304.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Advertisement; for:]	n/r	<i>Clues: A Journal of Detection</i> (Popular Culture Center. Bowling Green State University).	21.3 1980-Fall: ibc.
Adv	[Advertisement; for:]	n/r	<i>Science Fiction Chronicle</i>	21.3 1980-Fall: bc.
EM-C		n/r	Contributors.	21.4 1980-Winter: 306.
EM-E	Clareson, Thomas D., [signed as:] TDC	M	Launching Pad, The.	21.4 1980-Winter: 307-308, 385.
Art	Gunn, James	M	I, Asimov.	21.4 1980-Winter: 309-327.
Art	Branham, Robert J.	M	Principles of the Imaginary Milieu: Argument and Idea in Fantasy Fiction.	21.4 1980-Winter: 328-337.
Art	Dunn, Thomas; Erlich, Richard	M; M	Mechanical Hive, The: Urbmon 116 as the Villain-Hero of Silverberg's <i>The World Inside</i> .	21.4 1980-Winter: 338-347.
Art	Nedelkovich, Alexander	M	Stellar Parallels, The: Robert Silverberg, Larry Niven, and Arthur C. Clarke.	21.4 1980-Winter: 348-360.
Art	Bengels, Barbara	F	Flights into the Unknown: Structural Similarities in Two Works by H. G. Wells and Henry James.	21.4 1980-Winter: 361-366.
Art	McClure, J. Derrick	M	<i>Devil's Tor: A Rehabilitation of David Lindsay's Monster</i> .	21.4 1980-Winter: 367-378.
Bib	Hall, Hal W.	M	Science Fiction Sources in Microfilm.	21.4 1980-Winter: 379-385.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Among the Nebula Contenders. [fiction reviews]	21.4 1980-Winter: 386-390.
Rev	[unsigned; index: Clareson, Thomas D.]	M	Books.	21.4 1980-Winter: 390-391.
Ltr	Ellison, Harlan	M	Accused Swears He is Not Guilty, The. [dated 1980-04-15 and 1980-08-11; in:] Reaction Time.	21.4 1980-Winter: 392-395.
Ltr	Stableford, Brian	M	Note on Alternate History, A. [in:] Reaction Time.	21.4 1980-Winter: 395-399.
Indx		n/r	<i>Extrapolation</i> Index to Volume 21.	21.4 1980-Winter: 400-404.
Adv	[Advertisement; for:]	n/r	<i>Mervyn Peake Review</i> .	21.4 1980-Winter: ibca.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription]	21.4 1980-Winter: ibcb.
Adv	[Advertisement; for:]	n/r	Oxford University Press	21.4 1980-Winter: bc.
EM-C		n/r	Contributors.	22.1 1981-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	22.1 1981-Spring: 3-4, 105.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Kagarlitski, Julius	M	Fantastic in Theater and Cinema, The.	22.1 1981-Spring: 5-12.
Art	Hayles, N. B. [N. Katherine B.]	F	Imperfect Art, An: Competing Patterns in <i>More Than Human</i> .	22.1 1981-Spring: 13-24.
Bib	Schlobin, Roger C.; Tymn, Marshall B.	M; M	Year's Scholarship in Science Fiction and Fantasy, The: 1979.	22.1 1981-Spring: 25-91.
Rev	Yoke, Carl B.	M	Star Cluster: Nebula Contender: No Gulf of Misunderstanding. [fiction reviews]	22.1 1981-Spring: 92-94.
Rev	Hull, Elizabeth Anne	F	Star Cluster. [fiction reviews]	22.1 1981-Spring: 94-97.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	22.1 1981-Spring: 97-104.
Rev	[unsigned; Clareson, Thomas D. ?]	M	Books: New Series Titles Augment Variety of Scholarly Studies.	22.1 1981-Spring: 106-110.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	22.1 1981-Spring: 111a.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription]	22.1 1981-Spring: 111b.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	22.1 1981-Spring: 112.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	22.1 1981-Spring: ibc.
Adv	[Advertisement; for:]	n/r	Oxford University Press	22.1 1981-Spring: bc.
EM-C		n/r	Contributors.	22.2 1981-Summer: 114.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	22.2 1981-Summer: 115-116.
Art	Lake, David J.	M	Wells's Time Traveller: An Unreliable Narrator.	22.2 1981-Summer: 117-126.
Art	Panshin, Alexei; Panshin, Cory	M; F	Science Fiction and the Dimension of Myth.	22.2 1981-Summer: 127-139.
Art	Cioffi, Frank	M	Gilbert Sorrentino's Science Fiction World in <i>Mulligan Stew</i> .	22.2 1981-Summer: 140-145.
Art	Hull, Elizabeth Anne	F	Little Professor, Intuitionist, The: A Transactional Analysis of Isaac Asimov's <i>The Gods Themselves</i> .	22.2 1981-Summer: 146-154.
Art	Krulik, Ted [Theodore]	M	Science Fiction in the Classroom: Can Its Essence be Preserved?	22.2 1981-Summer: 155-163.
Art	Pohl, Joy	F	Dualities in David Lindsay's <i>A Voyage to Arcturus</i> .	22.2 1981-Summer: 164-170.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Plank, Robert	M	Expedition to the Planet of Paranoia, The.	22.2 1981-Summer: 171-185.
Art	Crawford, John W.	M	Utopian Eden of <i>Lost Horizon</i> .	22.2 1981-Summer: 186-190.
Art	Williams, George L.	M	Italian Science Fiction of the 1980s.	22.2 1981-Summer: 191-195.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	22.2 1981-Summer: 196-201.
Rev	Hassler, Donald M.	M	Star Cluster. [fiction reviews]	22.2 1981-Summer: 201-202.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: A Variety of Studies Emphasize Fantasy.	22.2 1981-Summer: 203-207.
Adv	[Advertisement; for:]	n/r	Copyright Clearance Center	22.2 1981-Summer: 208.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	22.2 1981-Summer: ibc.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press	22.2 1981-Summer: bc.
EM-C		n/r	Contributors.	22.3 1981-Fall: 210.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	22.3 1981-Fall: 211-212, 261.
Art	Scigaj, Leonard M.	M	Bettelheim, Castaneda and Zen: The Powers Behind the Force in <i>Star Wars</i> .	22.3 1981-Fall: 213-230.
Art	Warrick, Patricia S.	F	Contrapuntal Design of Artificial Evolution in Asimov's "The Bicentennial Man", The.	22.3 1981-Fall: 231-241.
Art	Crossley, Robert	M	Teaching the Course in Fantasy: An Elvish Counsel.	22.3 1981-Fall: 242-251.
Art	Pitcher, Edward W. R.	M	That Web of Symbols in Zamyatin's <i>We</i> .	22.3 1981-Fall: 252-261.
Art	Burleson, Donald R.	M	H. P. Lovecraft: The Hawthorne Influence.	22.3 1981-Fall: 262-269.
Art	Eastman, Donald R.	M	Strategies of Survival, The: Cybernetic Difference in <i>The Einstein Intersection</i> .	22.3 1981-Fall: 270-276.
Bib	Berman, Ruth	F	Bibliography of Fantasy and Fantasy-Criticism in Four Leading Nineteenth-Century Periodicals, A.	22.3 1981-Fall: 277-290.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: New titles, Series, Juveniles, Paperbacks. [fiction reviews]	22.3 1981-Fall: 291-295.
Rev	Vasbinder, Sam	M	Star Cluster. [fiction reviews]	22.3 1981-Fall: 295-296.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Egan, Thomas M.	M	Books: A Variety of References.	22.3 1981-Fall: 297-298.
Rev	Lloyd, Paul M.	M	Books: A Variety of References.	22.3 1981-Fall: 298-300.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: A Variety of References.	22.3 1981-Fall: 300-304.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	22.3 1981-Fall: ibc.
Adv	[Advertisement; for:]	n/r	Harvard University Press	22.3 1981-Fall: bc.
EM-C		n/r	Contributors.	22.4 1981-Winter: 306.
EM-E	Clareson, Thomas D., [signed as:] T.D.C.	M	Launching Pad, The.	22.4 1981-Winter: 307-308, 378-379.
Art	Palumbo, Donald	M	Comics as Literature: Plot Structure, Foreshadowing, and Irony in the Marvel Comics' <i>Avengers</i> "Cosmic Epic".	22.4 1981-Winter: 309-324.
Art	Law, Richard	M	Science Fiction: The Urgency of Style.	22.4 1981-Winter: 325-333.
Bib	Hacker, Barton C.; Chamberlain, Gordon R.	M; M	Pasts That Might Have Been: An Annotated Bibliography of Alternate History.	22.4 1981-Winter: 334-378.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	22.4 1981-Winter: 380-384.
Rev	Hassler, Donald M.	M	Star Cluster. [fiction reviews]	22.4 1981-Winter: 384-386.
Rev	Zachrau, Thekla	F	Books: Studies on the Fiction of H. P. Lovecraft.	22.4 1981-Winter: 387-391.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Brief Mention.	22.4 1981-Winter: 391-395.
Ltr	Clarke, Arthur C.	M	Reaction Time.	22.4 1981-Winter: 396.
Indx		n/r	<i>Extrapolation</i> : Index to Volume 22.	22.4 1981-Winter: 397-400.
EM-M		n/r	[Announcement of special issue of <i>Extrapolation</i> : Women in Science Fiction. Ed. Mary T. Brizzi [later, Turzillo].]	22.4 1981-Winter: 400.
Note	Tymn, Marshall B.	M	Important Announcement about The Year's Scholarship in Science Fiction and Fantasy.	22.4 1981-Winter: ibc.
Adv	[Advertisement; for:]	n/r	R. R. Bowker Company	22.4 1981-Winter: bc.
EM-C		n/r	Contributors.	23.1 1982-Spring: 2.
EM-E	Brizzi, Mary [later, Turzillo]	F	Launching Pad, The [Special Issue: Women in Science Fiction].	23.1 1982-Spring: 3-4, 107.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Byrne, Janet	F	Moving Toward Entropy: Anna Kavan's Science Fiction Mentality. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 5-11.
Art	Day, Phyllis J.	F	Eathmother/Witchmother: Feminism and Ecology Renewed.. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 12-21.
CfP	[Call for Papers]	n/r	Call for Worldcon Papers. (Chicago, 1982; Donald M. Hassler)	23.1 1982-Spring: 21.
Art	Heldreth, Lillian M.	F	"Love is the Plan, the Plan is Death": The Feminism and Fatalism of James Tiptree, Jr. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 22-30.
Art	Rosinsky, Natalie M.	F	Female Man, A?: The "Medusan" Humor of Joanna Russ. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 31-36.
Art	Foster, Frances Smith	F	Octavia Butler's Black Female Future Fiction. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 37-49.
Art	Friend, Beverly	F	Time Travel as a Feminist Didactic in Works by Phyllis Eisenstein, Marlys Millhiser, and Octavia Butler. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 50-55.
Art	Patai, Daphne	F	When Women Rule: Defamiliarization and the Sex-Role Reversal Utopia. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 56-59.
Art	Barr, Marleen	F	Science Fiction and the Fact of Women's Repressed Creativity: Anne McCaffrey Portrays a Female Artist. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 70-76.
Art	Hansen, Terry L.	M	Myth-Adventure in Leigh Brackett's "Enchantress of Venus". [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 77-82.
Bib	Jones, Anne Hudson	F	Women in Science Fiction: An Annotated Secondary Bibliography. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 83-90.
Bib	Schlobin, Roger C.	M	Farsighted Females: A Selective Checklist of Modern Women Writers of Science Fiction Through 1980. [in: Sp Iss: Women in Science Fiction]	23.1 1982-Spring: 91-107.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-M	Lake, David J.	M	Author's Erratum [to his: Wells's Time Traveller: An Unreliable Narrator. 22.2 1981-Sum: 117-126].	23.1 1982-Spring: 107.
Rev	Brizzi, Mary [later, Turzillo, Mary B.]	F	Star Cluster: Feminist Themes. [fiction reviews]	23.1 1982-Spring: 108-109.
Rev	Barr, Marleen	F	Star Cluster: Feminist Themes. [fiction reviews]	23.1 1982-Spring: 109-112.
Adv	[Advertisement; for:]	n/r	Popular Press, Bowling Green State University	23.1 1982-Spring: ibc.
Adv	[Advertisement; for:]	n/r	<i>Alternative Futures</i>	23.1 1982-Spring: bc.
EM-C		n/r	Contributors.	23.2 1982-Summer: 114.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	23.2 1982-Summer: 115-116, 199-200.
Art	Roemer, Kenneth M.	M	H. G. Wells and the "Momentary Voices" of a Modern Utopia.	23.2 1982-Summer: 117-137.
Art	McClintock, Michael W.	M	Contemporaneity of Barry N. Malzberg, The.	23.2 1982-Summer: 138-149.
Art	McLean, Susan	F	Psychological Approach to Fantasy in the <i>Dune</i> Series, A.	23.2 1982-Summer: 150-158.
Art	Bain, Dena C. [later: Taylor, Dena Bain]	F	R. A. Lafferty: The Function of Archetype in the Western Mystical Tradition.	23.2 1982-Summer: 159-174.
Art	Beatie, Bruce A.	M	Narrative Technique in <i>Stardance</i> .	23.2 1982-Summer: 175-184.
Art	Marchiesani, Joseph J.	M	Chalkdust on the Stars: Learning to Teach Science Fiction.	23.2 1982-Summer: 185-188.
Art	Bartter, Martha A.	F	Times and Spaces: Exploring <i>Gateway</i> .	23.2 1982-Summer: 189-199.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	23.2 1982-Summer: 201-204.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Brief Mention. [reviews]	23.2 1982-Summer: 205-208.
Adv	[Advertisement; for:]	n/r	Starmont House.	23.2 1982-Summer: ibc.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press	23.2 1982-Summer: bc.
EM-C		n/r	Contributors.	23.3 1982-Fall: 210.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	23.3 1982-Fall: 211.
Art	Kuczka, Péter	M	Science Fiction in Hungary.	23.3 1982-Fall: 213-220.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Walker, Jeanne Murray	F	Reciprocity and Exchange in Samuel Delany's <i>Nova</i> .	23.3 1982-Fall: 221-234.
Art	Littlefield, Emerson	M	Mythologies of Race and Science in Samuel Delany's <i>The Einstein Intersection</i> and <i>Nova</i> .	23.3 1982-Fall: 235-242.
Art	Tremaine, Louis	M	Olaf Stapledon's Note on Magnitude.	23.3 1982-Fall: 243-253.
Art	MacDermott, K. A.	F	Ideology and Narrative: The Cold War and Robert Heinlein.	23.3 1982-Fall: 254-269.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Book of Gold, The: Gene Wolfe's Book of the New Sun; Dick's Divine Invasion; Anthologies; Borgo Press (first installment); Paperbacks. [fiction reviews]	23.3 1982-Fall: 270-283.
Rev	Hull, Elizabeth Anne	F	Star Cluster. [fiction reviews]	23.3 1982-Fall: 284-285.
Rev	Clareson, Thomas D. [unsigned; ? Clareson, Thomas D. ?]	M	Books. [reviews]	23.3 1982-Fall: 286-289.
Ltr	Clarke, Arthur C.	M	Reaction Time: 2001.	23.3 1982-Fall: 290.
Ltr	Miller, Richard W.	M	Reaction Time: There Are Laws and Then There Are Laws [1].	23.3 1982-Fall: 290-297.
Ltr	Chamberlain, Gordon B.	M	Reaction Time: There Are Laws and Then There Are Laws [2].	23.3 1982-Fall: 298-303.
CfP	[Call for Papers]	n/r	Call for Papers: Fantasy and Horror Aesthetics and Theory: A Special Issue of <i>Extrapolation</i> . (Roger C. Schlobin)	23.3 1982-Fall: 304.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State Univesity Press	23.3 1982-Fall: bc.
EM-C		n/r	Contributors.	23.4 1982-Winter: 306.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	23.4 1982-Winter: 307-308, 384-385.
Art	McKay, Christopher P.	M	On Terraforming Mars.	23.4 1982-Winter: 309-314.
Adv	[Advertisement; for:]	n/r	Harvard University Press	23.4 1982-Winter: 314.
Art	Macdonald, Andrew; Macdonald, Gina	M; F	Teaching Western Culture Through Science Fiction.	23.4 1982-Winter: 315-320.
Art	Wytenbroek, Jacqueline	F	Science Fiction and Fantasy.	23.4 1982-Winter: 321-332.
Adv	[Advertisement; for:]	n/r	New American Library	23.4 1982-Winter: 332.
Art	Colbert, Robert E.	M	Unbinding Frankenstein: The Science Fiction Criticism of Brian Aldiss.	23.4 1982-Winter: 333-344.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Gordon, Andrew	M	Silverberg's Time Machine.	23.4 1982-Winter: 345-361.
Art	Egan, James	M	Dark Apocalyptic: Lovecraft's Cthulhu Mythos as a Parody of Traditional Christianity.	23.4 1982-Winter: 362-376.
Art	Grobman, Monica K.; Grobman, Neil R.	F; M	Myth, Cultural Differences, and Conflicting Worldviews in New Wave Science Fiction.	23.4 1982-Winter: 377-384.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	23.4 1982-Winter: 386-388.
Rev	Riemer, James D.	M	Star Cluster: Swordswomen and Sorceresses. [fiction reviews]	23.4 1982-Winter: 388-391.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Brief Mention. [reviews]	23.4 1982-Winter: 392-396.
Indx		n/r	<i>Extrapolation</i> Index to Volume 23.	23.4 1982-Winter: 397-400.
Adv	[Advertisement; for:]	n/r	Oxford University Press	23.4 1982-Winter: bc.
EM-C		n/r	Contributors.	24.1 1983-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	24.1 1983-Spring: 3-4, 091.
Art	Schlobin, Roger C.	M	Thomas Burnett Swann's Nixies: Pain and Pleasure.	24.1 1983-Spring: 5-12.
Art	Hull, Elizabeth Anne	F	Fire and Ice: The Ironic Imagery of Arthur C. Clarke's <i>Childhood's End</i> .	24.1 1983-Spring: 13-32
Art	Palumbo, Donald	M	Adam Warlock: Marvel Comics' Cosmic Christ Figure.	24.1 1983-Spring: 33-46.
Art	Lichtenstein, Allen	M	Science Fiction Book Versus Movie Audiences: Implications for the Teaching of Science Fiction.	24.1 1983-Spring: 47-56.
Art	Borman, Gilbert	M	New Look at Eugene Zamiatin's <i>We</i> .	24.1 1983-Spring: 57-65.
Art	Branham, Robert J.	M	Fantasy and Ineffability: Fiction at the Limit of Language.	24.1 1983-Spring: 66-79.
Art	Roth, Lane	M	Ambiguity of Visual Design and Meaning in TV's <i>Battlestar Galactica</i> .	24.1 1983-Spring: 80-87.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Nebula Time Again. [fiction reviews]	24.1 1983-Spring: 88-91.
Rev	[unsigned; Clareson, Thomas D. ?]	M	Books: Greenwood Press Titles Show Variety, Promise; Brief Mention.	24.1 1983-Spring: 92-98.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.1 1983-Spring: 99.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.1 1983-Spring: 100.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.1 1983-Spring: ibc.
Adv	[Advertisement; for:]	n/r	Indiana University Press	24.1 1983-Spring: bc.
EM-C		n/r	Contributors.	24.2 1983-Summer: 102.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	24.2 1983-Summer: 103-104.
Art	Galbreath, Robert	M	Redemption and Doubt in Philip K. Dick's Valis Trilogy.	24.2 1983-Summer: 105-115.
Art	Renault, Gregory	M	Speculative Porn: Aesthetic Forms in Samuel R. Delany's <i>The Tides of Lust</i> .	24.2 1983-Summer: 116-129.
Art	McLean, Susan	F	<i>Beginning Place, The</i> : An Interpretation.	24.2 1983-Summer: 130-142.
Art	Pielke, Robert G.	M	<i>Star Wars</i> vs. <i>2001</i> : A Question of Identity.	24.2 1983-Summer: 143-155.
Bib	Scott, Roberta; Thiem, Jon	F; M	Catastrophe Fiction, 1870-1914: An Annotated Bibliography of Selected Works in English.	24.2 1983-Summer: 156-169.
Art	Beauchamp, Gorman	M	Proto-Dystopia of Jerome K. Jerome, The.	24.2 1983-Summer: 170-181.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	24.2 1983-Summer: 182-186.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Bleiler Guide Tops Recent Scholarly Publications; Brief Mention.	24.2 1983-Summer: 187-191.
Adv	[Advertisement; for:]	n/r	Oxford University Press	24.2 1983-Summer: 192a.
Adv	[Advertisement; for:]	n/r	University Microfilms International	24.2 1983-Summer: 192b.
Adv	[Advertisement; for:]	n/r	Dodd, Mead	24.2 1983-Summer: 193a.
Adv	[Advertisement; for:]	n/r	Copyright Clearance Center	24.2 1983-Summer: 193b.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.2 1983-Summer: 194.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	24.2 1983-Summer: 195.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.2 1983-Summer: 196.
Adv	[Advertisement; for:]	n/r	Oxford University Press	24.2 1983-Summer: bc.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	24.3 1983-Fall: 198.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	24.3 1983-Fall: 199-200, 288-291.
Art	Rubenstein, Roberta	F	<i>Marriages Between Zones Three, Four, and Five, The</i> : Doris Lessing's Alchemical Allegory.	24.3 1983-Fall: 201-215.
Art	Telotte, J. P.	M	Dark Side of the Force, The: <i>Star Wars</i> and the Science Fiction Tradition.	24.3 1983-Fall: 216-226.
Art	McReynolds, Douglas J.	M	Critical Pretensions: Modern Critics and Depression-Era Science Fiction.	24.3 1983-Fall: 227-233.
Art	Lindborg, Henry J.	M	<i>Venus Plus X</i> : Sturgeon's Rite of Passage.	24.3 1983-Fall: 234-240.
Art	Ellington, Jane Elizabeth; Critelli, Joseph W.	F; M	Analysis of a Modern Myth: The <i>Star Trek</i> Series.	24.3 1983-Fall: 241-250.
Art	Born, Daniel	M	Character as Perception: Science Fiction and the Christian Man of Faith.	24.3 1983-Fall: 251-271.
Art	Paul, Terri	F	Worm Ouroboros, The: Time Travel, Imagination, and Entropy.	24.3 1983-Fall: 272-279.
Art	Cowan, S. A.	M	Track of the Hound: Ancestors of Kazak in <i>The Sirens of Titan</i> .	24.3 1983-Fall: 280-287.
Adv	[Advertisement; for:]	n/r	University of California Press	24.3 1983-Fall: 291.
Rev	[unsigned; ? Clareson, Thomas D. ?]	M	Star Cluster. [fiction reviews]	24.3 1983-Fall: 292-293.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Numerous Bibliographies Make Spring Apperance.	24.3 1983-Fall: 294-296.
Adv	[Advertisement; for:]	n/r	University Microfilms International	24.3 1983-Fall: 297.
Adv	[Advertisement; for:]	n/r	Copyright Clearance Center	24.3 1983-Fall: 297b.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.3 1983-Fall: 297c.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	24.3 1983-Fall: 297d.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.3 1983-Fall: ibc.
Adv	[Advertisement; for:]	n/r	Ohio University Press	24.3 1983-Fall: bc.
EM-C		n/r	Contributors.	24.4 1983-Winter: 298.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	24.4 1983-Winter: 299-300, 379.
Art	Beiderwell, Bruce	M	Grotesque in Wells's <i>The Invisible Man</i> .	24.4 1983-Winter: 301-310.
Art	Pfaelzer, Jean	F	State of One's Own, A: Feminism as Ideology in American Utopias 1880-1915.	24.4 1983-Winter: 311-328.
Art	Fisher, Judith L.	F	Trouble in Paradise: The Twentieth-Century Utopian Ideal.	24.4 1983-Winter: 329-339.
Art	Scigaj, Leonard M.	M	Prana and the Presbyterian Fixation: Ecology and Technology in Frank Herbert's Dune Tetralogy.	24.4 1983-Winter: 340-355.
Art	Rawlins, Jack P.	M	Linear Man: Jack Vance and the Value of Plot in Science Fiction.	24.4 1983-Winter: 356-369.
Art	Spector, Judith A.	F	Dr. Jekyll and Mrs. Hyde: Gender-Related Conflict in the Science Fiction of Joanna Russ.	24.4 1983-Winter: 370-379.
Art	Hume, Kathryn	F	Edifice Complex, The: Motive and Accomplishments in <i>The Fountains of Paradise</i> .	24.4 1983-Winter: 380-388.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	24.4 1983-Winter: 389-391.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books.	24.4 1983-Winter: 392-394.
Indx		n/r	<i>Extrapolation</i> Index to Volume 24.	24.4 1983-Winter: 395-398
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.4 1983-Winter: 399.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	24.4 1983-Winter: 400.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	24.4 1983-Winter: bc.
EM-C		n/r	Contributors.	25.1 1984-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	25.1 1984-Spring: 3-4.
Art	Aldiss, Brian W.	M	Downward Journey, The: Orwell's 1984.	25.1 1984-Spring: 5-11.
Art	Wilson, Sharon	F	Doctrine of Organic Unity, The: E. R. Eddison and the Romance Tradition.	25.1 1984-Spring: 12-19.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Francavilla, Joseph V.	M	These Immortals: An Alternative View of Immortality in Roger Zelazny's Science Fiction.	25.1 1984-Spring: 20-33.
Art	Molson, Francis	M	Winston Science Fiction Series and the Development of Children's Science Fiction, The.	25.1 1984-Spring: 34-50.
Art	Bryce, Lynn	F	Use of Christian Iconography in Selected Marginalia of J. R. R. Tolkien's Lothlórien Chapters.	25.1 1984-Spring: 51-59.
Art	Siegel, Mark	M	Toward an Aesthetics of Science Fiction Television.	25.1 1984-Spring: 60-75.
Art	Peek, George S.	M	Negative Exempla: Lust Without Love on Counter-Earth Gor.	25.1 1984-Spring: 76-82.
Art	Apostolou, John L.	M	Japanese Science Fiction in English Translation.	25.1 1984-Spring: 83-86.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Kate Wilhelm's <i>Welcome, Chaos</i> Excellent. [fiction reviews]	25.1 1984-Spring: 87-89.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: De Camp Biography of Howard Leads Recent Books.	25.1 1984-Spring: 90-93.
Adv	[Advertisement; for:]	n/r	University Microfilms International	25.1 1984-Spring: 94.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	25.1 1984-Spring: 95.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	25.1 1984-Spring: bc.
EM-C		n/r	Contributors.	25.2 1984-Summer: 98.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	25.2 1984-Summer: 99-100.
Art	Brennan, John P.	M	Mechanical Chicken, The: Psyche and Society in <i>The Space Merchants</i> .	25.2 1984-Summer: 101-114.
Art	Rudin, Seymour	M	Urban Gothic, The: From Transylvania to the South Bronx.	25.2 1984-Summer: 115-126.
Art	Sanders, Joe	M	Fantastic Non-fantastic, The: Richard Condon's Waking Nightmares.	25.2 1984-Summer: 127-137.
Art	Collings, Michael R.	M	James P. Hogan's <i>Inherit the Stars</i> : A Paradigm for Communication.	25.2 1984-Summer: 138-145.
Art	Law, Richard	M	Joanna Russ and the "Literature of Exhaustion".	25.2 1984-Summer: 146-156.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Lake, David J.	M	Making the Two One: Language and Mysticism in <i>Riddley Walker</i> .	25.2 1984-Summer: 157-170.
Art	Mendelson, Michael	M	Opening Moves: The Entry into the Other World.	25.2 1984-Summer: 171-179.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Three Major Novels Show Diversity of Field. [fiction reviews]	25.2 1984-Summer: 180-186.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Williamson Autobiography Tops Early 1984 Releases.	25.2 1984-Summer: 187-189.
Ltr	Finch-Rayner, Sheila [later: Finch]	F	Reaction Time.	25.2 1984-Summer: 190-191.
Note		n.g.	Crown Republishes Science Fiction Classics.	25.2 1984-Summer: 192.
Adv	[Advertisement; for:]	n/r	<i>Alternatives</i> [series] (Southern Illinois University Press).	25.2 1984-Summer: bc.
EM-C		n/r	Contributors.	25.3 1984-Fall: 194.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	25.3 1984-Fall: 195-196, 282.
Art	Morrissey, Thomas J.	M	Armageddon from Huxley to Hoban.	25.3 1984-Fall: 197-213.
Art	Egan, James	M	Apocalypticism in the Fiction of Stephen King.	25.3 1984-Fall: 214-227.
Art	Touponce, William F.	M	Some Aspects of Surrealism in the Work of Ray Bradbury.	25.3 1984-Fall: 228-238.
Art	Sullivan, C. W., III	M	Name and Lineage Patterns: Aragorn and Beowulf.	25.3 1984-Fall: 239-246.
Art	Joshi, S. T.	M	Topical References in Lovecraft.	25.3 1984-Fall: 247-265.
Art	Nania, John S.	M	Exploring Genres: Stanislaw Lem's Science Fiction Detective Novels.	25.3 1984-Fall: 266-279.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Silverberg, Disch, and Cherryh Score. [fiction reviews]	25.3 1984-Fall: 280-282.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Greenwood Press Contributes Variety of Works.	25.3 1984-Fall: 283.
Adv	[Advertisement; for:]	n/r	University Microfilms International	25.3 1984-Fall: 284.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	25.3 1984-Fall: 285.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [change of address; subscription]	25.3 1984-Fall: 286.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	25.3 1984-Fall: 287.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	25.4 1984-Winter: 290.
EM-E	Clareson, Thomas D.	M	Now That We Are Twenty-Five.	25.4 1984-Winter: 291-301.
Art	Williamson, Jack	M	Critic as Conquistador, The.	25.4 1984-Winter: 302-305.
Art	Budrys, Algis	M	Can Speculative-Fiction Writers and Scholars Do Each Other Good?	25.4 1984-Winter: 306-313.
Art	Bleiler, E[verett] F.	M	Luncheon with John Wyndham.	25.4 1984-Winter: 314-317.
Art	Roemer, Kenneth M.	M	Utopian Studies: A Fiction with Notes Appended.	25.4 1984-Winter: 318-334.
Art	Schlobin, Roger C.	M	Scholarship of Incidence, The: The Unfortunate State of Fantasy Scholarship.	25.4 1984-Winter: 335-339.
Art	Wachhorst, Wyn [Newton Edwin]	M	Time-Travel Romance on Film: Archetypes and Structures.	25.4 1984-Winter: 340-359.
Art	Warrick, Patricia S.	F	Now We Are Fifteen: Observations on the Science Fiction Research Association by Its President.	25.4 1984-Winter: 360-368.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Del Rey Variety leads Field in 1984. [fiction reviews]	25.4 1984-Winter: 369-372.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Julian May, J. G. Ballard, and Library of Congress Guide Highlight New Books.	25.4 1984-Winter: 373-377.
Ltr	Erich, Richard D.	M	Reaction Time.	25.4 1984-Winter: 378-379.
Indx		m	<i>Extrapolation</i> Index to Volume 25.	25.4 1984-Winter: 380-382.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	25.4 1984-Winter: 383.
Adv	[Advertisement; for:]	n/r	University Microfilms International	25.4 1984-Winter: 384.
EM-C		n/r	Contributors.	26.1 1985-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	26.1 1985-Spring: 3-4, 074-75.
Art	Abrash, Merritt	M	Le Guin's "The Field of Vision": A Minority View on Ultimate Truth.	26.1 1985-Spring: 5-15.
Art	Roberts, Robin	F	Paradigm of <i>Frankenstein</i> , The: Reading <i>Canopus in Argos</i> in the Context of Science Fiction by Women.	26.1 1985-Spring: 16-23.
Art	Hand, Jack	M	Traditionalism of Women's Roles in Frank Herbert's <i>Dune</i> , The.	26.1 1985-Spring: 24-28.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Greiner, Pat	F	Magnifico Giganticus: Asimov's Shakespearean Fool.	26.1 1985-Spring: 29-35.
Art	Ketterer, David	M	<i>Frozen Year, The</i> : "A Piece of Spoiled Goods" by James Blish?	26.1 1985-Spring: 36-42.
Art	Magistrale, Tony	M	Inherited Haunts: Stephen King's Terrible Children.	26.1 1985-Spring: 43-49.
Art	Hackenberry, Charles	M	Painter at the Keyboard. [interview with William Tenn/Philip Klass]	26.1 1985-Spring: 50-55.
Art	Dunn, Thomas P.	M	Existential Pilgrims and Comic Catastrophe in the Fiction of Robert Sheckley.	26.1 1985-Spring: 56-65.
Art	Smith, Curtis C.	M	Horror Versus Tragedy: Mary Shelley's <i>Frankenstein</i> and Olaf Stapledon's <i>Sirius</i> .	26.1 1985-Spring: 66-73.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster. [fiction reviews]	26.1 1985-Spring: 76.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books.	26.1 1985-Spring: 77-79.
Adv	[Advertisement; for:]	n/r	U of Pittsburgh Press.	26.1 1985-Spring: 80.
EM-C		n/r	Contributors.	26.2 1985-Summer: 82.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	26.2 1985-Summer: 83-84, 170.
Bib	Tymn, Marshall B.	M	Year's Scholarship in Science Fiction, Fantasy, and Horror Literature, The: 1983.	26.2 1985-Summer: 85-142.
Art	Waugh, Robert H.	M	<i>Drum of A Voyage to Arcturus</i> , The.	26.2 1985-Summer: 143-151.
Art	Herbert, Gary B.	M	Tolkien's Tom Bombadil and the Platonic Ring of Gyges.	26.2 1985-Summer: 152-159.
Art	Filmer, Kath [aka: Filmer-Davies, Cath]	F	That Hideous 1984: The Influence of C. S. Lewis' <i>That Hideous Strength</i> on Orwell's <i>Nineteen Eighty-Four</i> .	26.2 1985-Summer: 160-169.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: The Wit of a Wolfe. [fiction reviews]	26.2 1985-Summer: 171-172.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: UMI Research Press Offers Newest Series.	26.2 1985-Summer: 173-174.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press.	26.2 1985-Summer: 176.
EM-C		n/r	Contributors.	26.3 1985-Fall: 178.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	26.3 1985-Fall: 179-180.
Art	Bleiler, E[verett] F.	M	Who Was Moxon's Master?	26.3 1985-Fall: 181-189.
Art	Parkin-Speer, Diane	F	Leigh Brackett's <i>The Long Tomorrow</i> : A Quest for the Future America.	26.3 1985-Fall: 190-200.
Art	Boss, Judith E.	F	Elements of Style in Science Fiction: Andre Norton Compared with Others.	26.3 1985-Fall: 201-211.
Art	Schwetman, John W.	M	Russell Hoban's <i>Riddley Walker</i> and the Language of the Future.	26.3 1985-Fall: 212-219.
Art	Monk, Patricia	F	Syntax of Future Shock, The: Structure and the Center of Consciousness in John Brunner's <i>The Shockwave Rider</i> .	26.3 1985-Fall: 220-230.
Art	Weinkauf, Mary S.	F	So Much for the Gentle Sex.	26.3 1985-Fall: 231-239.
Art	Finch, Sheila	F	Paradise Lost: The Prison at the Heart of Le Guin's Utopia.	26.3 1985-Fall: 240-248.
Art	Langford, Michele K.	F	Concept of Freedom in Surrealism, Existentialism, and Science Fiction, The.	26.3 1985-Fall: 249-256.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: First Encounters of a Fictional Kind. [fiction reviews]	26.3 1985-Fall: 257-259.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Bleiler's Supernatural Fiction Writers: Another Cornerstone.	26.3 1985-Fall: 260-262.
Ltr	Sammons, Todd H.	M	Reaction Time: Reading and Misreading James P. Hogan's <i>Inherit the Stars</i> .	26.3 1985-Fall: 263-270.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription; change of address]	26.3 1985-Fall: 271.
Adv	[Advertisement; for:]	n/r	Copyright Clearance Center	26.3 1985-Fall: 272.
Adv	[Advertisement; for:]	n/r	Princeton University Press.	26.3 1985-Fall: bc.
EM-C		n/r	Contributors.	26.4 1985-Winter: 274.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	26.4 1985-Winter: 275-276, 378-380.
Art	Hassler, Donald M.	M	Autobiography and Science Fiction: Children of Rousseau and Wonder.	26.4 1985-Winter: 277-284.
Art	Adams, Stephen	M	Heroic and Mock-Heroic in Harlan Ellison's Harlequin.	26.4 1985-Winter: 285-289.
Art	Murphy, Patrick D.	M	Mythic and Fantastic: Gary Snyder's "Mountains and Rivers without End".	26.4 1985-Winter: 290-299.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Ingersoll, Earl G., ed.	M	Conversation with Walter Tevis, A.	26.4 1985-Winter: 300-308.
Art	Nichols, Adam	M	Complementarity and Critical Descriptions of Science Fiction.	26.4 1985-Winter: 309-315.
Bib	Tymn, Marshall B.	M	Year's Scholarship in Science Fiction, Fantasy, and Horror Literature, The: 1984.	26.4 1985-Winter: 316-377.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Sam Moskowitz on A. Merritt.	26.4 1985-Winter: 381-383.
Note	Clareson, Thomas D., as: T. D. C.	M	Announcement.	26.4 1985-Winter: 383.
Indx		n/r	<i>Extrapolation</i> Index to Volume 26.	26.4 1985-Winter: 384-386.
Adv	[Advertisement; for:]	n/r	Harcourt Brace Jovanovich.	26.4 1985-Winter: 387.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press.	26.4 1985-Winter: bc.
EM-C		n/r	Contributors.	27.1 1986-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The	27.1 1986-Spring: 3-4, 094.
Art	Bleiler, E. F.	M	Jules Verne and Cryptography.	27.1 1986-Spring: 5-18.
Art	Walker, Jeanne Murray	F	Survival of the Fittest in Alexei Panshin's <i>Rite of Passage</i> .	27.1 1986-Spring: 19-32.
Art	Wood, Diane S.	F	Female Heroism in the Ice Age: Jean Auel's <i>Earth Children</i> .	27.1 1986-Spring: 33-38.
Art	Howard, Susan E.	F	"Unicorn Tapestry": A Modern Romance.	27.1 1986-Spring: 39-48.
Art	Bray, Mary Kay	F	Naming of Things, The: Men and Women, Language and Reality in Suzette Haden Elgin's <i>Native Tongue</i> .	27.1 1986-Spring: 49-61.
Art	Egan, James	M	"Single Powerful Spectacle, A": Stephen King's Gothic Melodrama.	27.1 1986-Spring: 62-75.
Art	Sanders, Joe	M	Huck, Cat, and/or Civilization: Joan D. Vinge's <i>Psion</i> as Juvenile Fiction.	27.1 1986-Spring: 76-83.
Art	Jolly, John	M	Bellerophon Myth and <i>Forbidden Planet</i> , The.	27.1 1986-Spring: 84-90.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Aldiss' <i>Helliconia</i> Trilogy Ranks Among the Finest. [fiction reviews]	27.1 1986-Spring: 91-94.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Collections Dominate Recent Publications.	27.1 1986-Spring: 95-96.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press.	27.1 1986-Spring: bc.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	27.2 1986-Summer: 82.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The	27.2 1986-Summer: 83-84.
Art	Williams, Lynn F.	F	Women and Power in C. J. Cherryh's Novels.	27.2 1986-Summer: 85-92.
Art	Spinks, C. W.	M	Motifs in Science Fiction as Archetypes of Science.	27.2 1986-Summer: 93-108.
Art	Goodrich, Peter H.	M	Lineage of Mad Scientists, The: Anti- Types of Merlin.	27.2 1986-Summer: 109- 115.
Art	Abrash, Merritt	M	Sparring with the Universe: Heroism and Futility in Philip K. Dick's Protagonists.	27.2 1986-Summer: 116- 122.
Bib	Tymn, Marshall B.	M	Year's Scholarship in Science Fiction, Fantasy, and Horror Literature, The: 1985.	27.2 1986-Summer: 123- 173.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Auel among the Mamutoi. [fiction reviews.	27.2 1986-Summer: 174- 176.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Gale and Greenwood: Two Cornerstones.	27.2 1986-Summer: 177- 178.
Note		n.g.	Notes and Queries.	27.2 1986-Summer: 179.
EM-C		n/r	Contributors.	27.3 1986-Fall: 182.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The	27.3 1986-Fall: 183-184, 270- 271.
Art	McCormack, Kathleen	F	George Eliot and Victorian Science Fiction: <i>Daniel Deronda</i> as Alternate History.	27.3 1986-Fall: 185-196.
Art	Chase, Dennis	M	Ambiguity of Innocence, The: <i>The Turn of the Screw</i> .	27.3 1986-Fall: 197-202.
Art	Magistrale, Tony	M	"More Demon Than Man": Melville's Ahab as Gothic Villain.	27.3 1986-Fall: 203-207.
Art	Lawson, Benjamin S.	M	Time and Place of Edgar Rice Burroughs's Early Martian Trilogy, The.	27.3 1986-Fall: 208-220.
Art	Orth, Michael	M	Utopia in the Pulps: The Apocalyptic Pastoralism of Edgar Rice Burroughs.	27.3 1986-Fall: 221-233.
Art	Byrd, Deborah	F	Gynocentric Mythmaking in Joan Vinge's <i>The Snow Queen</i> .	27.3 1986-Fall: 234-244.
Art	Harper, Lila M.	F	Mathematical Themes in Science Fiction.	27.3 1986-Fall: 245-269.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Star Cluster: Clarke's Affirmation. [fiction reviews]	27.3 1986-Fall: 272-273.
Rev	Clareson, Thomas D., [signed as:] T. D. C.	M	Books: Frank Reade Library, The.	27.3 1986-Fall: 274-275.
Note		n.g.	Notes and Queries.	27.3 1986-Fall: 276.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press.	27.3 1986-Fall: bc.
EM-C		n/r	Contributors.	27.4 1986-Winter: 278.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The	27.4 1986-Winter: 279-280, 356.
Art	Moskowitz, Sam	M	Five Steps to Science Fiction Sanity.	27.4 1986-Winter: 281-294.
Art	Golden, Kenneth L.	M	<i>Stranger in a Strange Land</i> as Modern Myth: Robert A. Heinlein and Carl Jung.	27.4 1986-Winter: 295-303.
Art	Bleiler, E. F.	M	Pieter Gillis and More's <i>Utopia</i> .	27.4 1986-Winter: 304-319.
Art	Erisman, Fred	M	Zenna Henderson's "People" and the Quest for Self-Identity.	27.4 1986-Winter: 320-325.
Art	Slethaug, Gordon E.	M	Paradoxical Double in Le Guin's <i>A Wizard of Earthsea</i> , The.	27.4 1986-Winter: 326-333.
Art	Cheever, Leonard A.	M	Is Russell Hoban's <i>Pilgermann</i> a Science Fiction Novel?	27.4 1986-Winter: 334-340.
Art	Ingersoll, Earl; Rubin, Stan Sanvel	M; M	Pushing Back the Boundaries: A Conversation with Nancy Kress.	27.4 1986-Winter: 341-351.
Art	McNelly, Willis E.	M	In Memoriam: Frank Herbert, 1920- 1986.	27.4 1986-Winter: 352-355.
Rev	Samuelson, David N.	M	Books.	27.4 1986-Winter: 357-360.
Rev	Hoover, Janet M.	F	Books.	27.4 1986-Winter: 360-362.
Rev	Hassler, Donald M.	M	Books.	27.4 1986-Winter: 362-364.
Rev	Trunick, Perry A.	M	Books.	27.4 1986-Winter: 364-366.
Note		n.g.	Notes and Queries.	27.4 1986-Winter: 367.
Indx		n/r	<i>Extrapolation</i> Index to Volume 27.	27.4 1986-Winter: 368-371.
EM-M		n/r	Coming in Spring 1987: Special Fantasy Issue, edited by Roger C. Schlobin.	27.4 1986-Winter: 372.
EM-C		n/r	Contributors.	28.1 1987-Spring: 2.
EM-E	Schlobin, Roger C.	M	From the Old on to the New: New Directions in Fantasy Criticism and Theory [in: Special Fantasy issue].	28.1 1987-Spring: 3-9.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Attebery, Brian	M	Women's Coming of Age in Fantasy [in: Special Fantasy issue].	28.1 1987-Spring: 10-22.
Art	Murphy, Patrick D.	M	Fantastic Experience in Poetry, The: Or, The Monsters Are There: Where are the Critics? [in: Special Fantasy issue]	28.1 1987-Spring: 23-36.
Art	Manlove, C. N.	M	Comic Fantasy [in: Special Fantasy issue].	28.1 1987-Spring: 37-44.
Art	Olsen, Lance	M	Deconstructing the Balzacian Mode: Postmodern Fantasy [in: Special Fantasy issue].	28.1 1987-Spring: 45-51.
Art	Schaafsma, Karen	F	Demon Lover, The: Lilith and the Hero in Modern Fantasy [in: Special Fantasy issue].	28.1 1987-Spring: 52-61.
Art	Spencer, Kathleen	F	Naturalizing the Fantastic: Narrative Technique in the Novels of Charles Williams [in: Special Fantasy issue].	28.1 1987-Spring: 62-74.
Art	Fowler, Douglas	M	Pleasures of Terror, The [in: Special Fantasy issue].	28.1 1987-Spring: 75-86.
Art	Sullivan, C. W., III	M	Traditional Welsh Materials in Modern Fantasy [in: Special Fantasy issue].	28.1 1987-Spring: 87-97.
Bib	[unsigned; Shlobin, Roger C. ?, editor of special issue]	M	Books. ["seminal book length works for the study of fantasy and the fantastic"] [in: Special Fantasy issue]	28.1 1987-Spring: 98-99.
Adv	[Advertisement; for:]	n/r	Harcourt Brace Jovanovich	28.1 1987-Spring: ibc.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	28.1 1987-Spring: bc.
EM-C		n/r	Contributors.	28.2 1987-Summer: 102.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	28.2 1987-Summer: 103-104, 195.
Art	Erlich, Richard D.	M	Ursula K. Le Guin and Arthur C. Clarke on Immanence, Transcendence, and Massacres.	28.2 1987-Summer: 105-129.
Art	Elms, Alan C.	M	From "Nightfall" to <i>Dawn</i> : Asimov as Acrophobe.	28.2 1987-Summer: 130-139.
Art	Mead, David G.	M	Signs of Crime: Aspects of Structure in Science Fiction Detection Series.	28.2 1987-Summer: 140-147.
Art	Ferrara, Patricia	F	"Nature's Priest": Establishing Literary Criteria for Arthur C. Clarke's "The Star".	28.2 1987-Summer: 148-158.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Roth, Lane	M	Death and Rebirth in <i>Star Trek II: The Wrath of Khan</i> .	28.2 1987-Summer: 159-166.
Rev	Dunn, Thomas P.	M	Reviews of Books.	28.2 1987-Summer: 167-170.
Rev	Davis, Kathe	F	Reviews of Books.	28.2 1987-Summer: 170-172.
Rev	Eisenstein, Phyllis	F	Reviews of Books.	28.2 1987-Summer: 172-174.
Rev	Landon, Brooks	M	Reviews of Books.	28.2 1987-Summer: 174-176.
Rev	Vasbinder, Samuel H.	M	Reviews of Books.	28.2 1987-Summer: 176-179.
Ltr	Elkins, Charles	M	Don't Play It Again, Sam: A Partial Response to Sam Moskowitz's Five Steps to Science Fiction Sanity. [in:] Reaction Time.	28.2 1987-Summer: 180-184.
Ltr	Moskowitz, Sam	M	[reply to: Don't Play It Again, Sam: A Partial Response to Sam Moskowitz's Five Steps to Science Fiction Sanity. By Charles Elkins.] [in:] Reaction Time.	28.2 1987-Summer: 184-186.
Art	Hassler, Donald M.	M	Science Fiction and High Art.	28.2 1987-Summer: 187-194.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	28.2 1987-Summer: 196.
EM-C		n/r	Contributors.	28.3 1987-Fall: 198.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	28.3 1987-Fall: 199-200, 291-292.
Bib	Tymn, Marshall B.	M	Year's Scholarship in Fantastic Literature, The: 1986.	28.3 1987-Fall: 201-254.
Art	Shelton, Robert	M	Rendezvous with HAL: 2001/2010.	28.3 1987-Fall: 255-268.
Art	Tatsumi, Takayuki	M	Decomposition of Rock and Roll, The: Samuel Delany's <i>The Einstein Intersection</i> .	28.3 1987-Fall: 269-280.
Rev	Hassler, Donald M.	M	Reviews of Books.	28.3 1987-Fall: 281-282.
Rev	Collings, Michael R.	M	Reviews of Books.	28.3 1987-Fall: 283-286.
Ltr	Hollinger, Veronica	F	Other Steps (in other directions?) to Science Fiction Sanity. [in:] Reaction Time.	28.3 1987-Fall: 287-290.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
			Other Steps (in other directions?) to Science Fiction Sanity. [in:] Reaction Time.	28.3 1987-Fall: 290-291.
Ltr	Lake, David J.	M		
EM-C		n/r	Contributors.	28.4 1987-Winter: 294.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	28.4 1987-Winter: 295-296, 368.
Art	Warrick, Patricia	F	Quantum Reality in Recent Science Fiction.	28.4 1987-Winter: 297-309.
Art	Kessler, Carol Farley	F	<i>Woman on the Edge of Time: A Novel To Be of Use.</i>	28.4 1987-Winter: 310-318.
Art	Brians, Paul	M	Red Holocaust: The Atomic Conquest of the West.	28.4 1987-Winter: 319-229.
Art	Wytenbroek, J. R. [Lynn]	F	<i>Always Coming Home: Pacificism and Anarchy in Le Guin's Latest Utopia.</i>	28.4 1987-Winter: 330-339.
Art	Lynch, Jane Weedman	F	<i>Exercise for Madmen, An: Barbara Paul's Look at Insanity.</i>	28.4 1987-Winter: 340-344.
Art	Lowentrou, Peter M.	M	Influence of Speculative Fiction on the Religious Formation of the Young, The: A Preliminary Statistical Investigation.	28.4 1987-Winter: 345-359.
Art	Varnier, Vicci K.; Miller, Ricky E.	F; M	Soil and Seed: Vinge's Use of Andersen and Graves in <i>The Snow Queen</i> .	28.4 1987-Winter: 360-367.
Rev	Hassler, Donald M.	M	Reviews of Books.	28.4 1987-Winter: 369-371.
Rev	Vance, G. Warlock	M	Reviews of Books.	28.4 1987-Winter: 371-372.
Rev	Urban, Scott H.	M	Reviews of Books.	28.4 1987-Winter: 372-374.
Ltr	Pohl, Frederik	M	Reaction Time.	28.4 1987-Winter: 375-377.
Ltr	Bleiler, E[verett] F.	M	Reaction Time.	28.4 1987-Winter: 377.
Indx		n/r	<i>Extrapolation</i> Index to Volume 28	28.4 1987-Winter: 378-381.
Adv	[Advertisement; for:]	n/r	University Press of New England	28.4 1987-Winter: 382.
Adv	[Advertisement; for:]	n/r	Indiana University Press	28.4 1987-Winter: 383.
EM-C		n/r	Contributors.	29.1 1988-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	29.1 1988-Spring: 3-4.
Bib	Widdicombe, Richard Toby	M	Edward Bellamy's Utopian Vision: An Annotated Checklist of Reviews of Books.	29.1 1988-Spring: 5-20.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Neustadter, Roger	M	Mechanization Takes Command: The Celebration of Technology in the Utopian Novels of Edward Bellamy, Chauncey Thomas, John Jacob Astor, and Charles Caryl.	29.1 1988-Spring: 21-33.
Art	Jacobs, Naomi	F	Beyond Stasis and Symmetry: Lessing, Le Guin, and the Remodeling of Utopia.	29.1 1988-Spring: 34-45.
Art	Webster, Glenn	M	Niven and Pournelle's <i>Footfall</i> : Reflections on the Probably Natures of Alien Technical Civilizations.	29.1 1988-Spring: 46-52.
Art	Davis, J. Madison	M	Quest for Art, The: Lem's Analysis of Borges.	29.1 1988-Spring: 53-64.
Art	Kollmann, Judith J.	F	John Varley's Women.	29.1 1988-Spring: 65-75.
Rev	Fischer, Norman	M	Reviews of Books.	29.1 1988-Spring: 76-79.
Rev	Eisenstein, Alex	M	Reviews of Books.	29.1 1988-Spring: 79-82.
Rev	Hassler, Donald M.	M	Reviews of Books.	29.1 1988-Spring: 82-84.
Rev	Vance, G. Warlock	M	Reviews of Books.	29.1 1988-Spring: 84-87.
Rev	Hassler, Donald M.	M	Reviews of Books.	29.1 1988-Spring: 87-88.
Rev	Collings, Michael R.	M	Reviews of Books.	29.1 1988-Spring: 88-90.
EM-C		n/r	Contributors.	29.2 1988-Summer: 92.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	29.2 1988-Summer: 93-94.
Art	Bleiler, E. F.	M	L'Epy's <i>A Voyage into Tartary</i> : An Enlightenment Ideal Society.	29.2 1988-Summer: 95-111.
Art	Wood, Diane S.	F	Family Ties in the Novels of Vonda N. McIntyre.	29.2 1988-Summer: 112-127.
Art	Richardson, Elizabeth A.	F	<i>Back to the Future</i> : Yang-Yin=0 Yang+Yin=1.	29.2 1988-Summer: 128-139.
Art	Egan, James	M	Technohorror: The Dystopian Vision of Stephen King.	29.2 1988-Summer: 140-152.
Art	Hall, Peter C.	M	"Space Between in Space, The": Some Versions of the <i>Bildungsroman</i> in Science Fiction.	29.2 1988-Summer: 153-159.
Art	Cowan, S. A.	M	Crystalline Center of Zamyatin's <i>We</i> , The.	29.2 1988-Summer: 160-178.
Art	Sloan, De Villo	M	Self and Self-less in Campbell's <i>Who Goes There?</i> And Finney's <i>Invasion of the Body Snatchers</i> , The.	29.2 1988-Summer: 179-188.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Remington, Thomas J.	M	Reviews of Books.	29.2 1988-Summer: 189-192.
CfP	[Call for Papers]	n/r	Special Issue: American Utopias: Texts and Contexts. [ATQ: <i>American Transcendental Quarterly</i>]	29.2 1988-Summer: 192.
Adv	[Advertisement; for:]	n/r	University of Georgia Press.	29.2 1988-Summer: ibc.
EM-C		n/r	Contributors.	29.3 1988-Fall: 194.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	29.3 1988-Fall: 195-196, 226.
Art	Broege, Valerie	F	Views on Human Reproduction and Technology in Science Fiction.	29.3 1988-Fall: 197-215.
Note	Gross, Elizabeth L.	F	Academic Track for Norescon 3.	29.3 1988-Fall: 215.
Art	Erisman, Fred	M	Robert Heinlein's Case for Racial Tolerance, 1954-1956.	29.3 1988-Fall: 216-226.
Art	Gordon, Joan	F	Rehabilitating Revenants, or Sympathetic Vampires in Recent Fiction.	29.3 1988-Fall: 227-234.
Bib	Tymn, Marshall B.	M	Year's Scholarship in Fantastic Literature, The: 1987.	29.3 1988-Fall: 235-284.
Rev	Brians, Paul	M	Reviews of Books.	29.3 1988-Fall: 285-288.
Rev	Collings, Michael R.	M	Reviews of Books.	29.3 1988-Fall: 288-290.
Rev	Clareson, Thomas D.	M	Reviews of Books.	29.3 1988-Fall: 290-291.
Rev	Clareson, Thomas D.	M	Reviews of Books.	29.3 1988-Fall: 292-294.
Ltr	Orth, Michael	M	Response to Kessler, A. [in:] Reaction Time.	29.3 1988-Fall: 295-296.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> for Gift-Giving (& other KSU publications; Kent State University Press).	29.3 1988-Fall: 297.
EM-C		n/r	Contributors.	29.4 1988-Winter: 300.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	29.4 1988-Winter: 301-302, 348.
Art	Michael; Ehrman, Chris[topher]; Gant, John; Erlich, Richard D.	M; M; M; M; M	"For Our Balls Were Sheathed in Inertron": Textual Variations in "The Seminal Novel of <i>Buck Rogers</i> ".	29.4 1988-Winter: 303-318.
EM-E	Lowentrout, Peter M.	M	Religion and Speculative Fiction: Introduction.	29.4 1988-Winter: 319-321.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Hassler, Donald M.	M	Enlightenment Genres and Science Fiction: Belief and <i>Animated Nature</i> (1774). [in sp iss: Religion and Speculative Fiction.]	29.4 1988-Winter: 322-329.
Art	Galbreath, Robert	M	Fantastic Literature As Gnosis. [in sp iss: Religion and Speculative Fiction.]	29.4 1988-Winter: 330-337.
Art	Tavormina, M. Teresa	F	Gate of Horn and Ivory, A: Dreaming True and False in Earthsea. [in sp iss: Religion and Speculative Fiction.]	29.4 1988-Winter: 338-348.
Art	Lowentroun, Peter M.	M	Meta-Aesthetic of Popular Science Fiction Film. [in sp iss: Religion and Speculative Fiction.]	29.4 1988-Winter: 349-364.
Rev	Vasbinder, Samuel H.	M	Reviews of Books.	29.4 1988-Winter: 365-367.
Rev	Coogan, Peter	M	Reviews of Books.	29.4 1988-Winter: 367-369.
Rev	Alkon, Paul	M	Reviews of Books.	29.4 1988-Winter: 369-371.
Rev	Hermann, Kenneth W.	M	Reviews of Books.	29.4 1988-Winter: 371-374.
Rev	Widdicombe, Richard Toby	M	Reviews of Books.	29.4 1988-Winter: 374-376.
Rev	Widdicombe, Richard Toby	M	Reviews of Books.	29.4 1988-Winter: 377-379.
Rev	Collings, Michael R.	M	Reviews of Books.	29.4 1988-Winter: 379-382.
Indx		n/r	<i>Extrapolation</i> Index to Volume 29.	29.4 1988-Winter: 383-386.
EM-C		n/r	Contributors.	30.1 1989-Spring: 2.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	30.1 1989-Spring: 3-4, 092-93.
Art	Moskowitz, Sam	M	Henrik Dahl Juve and the Second Gernsback Dynasty.	30.1 1989-Spring: 5-52.
Art	Beatie, Bruce A.	M	Arthur C. Clarke and the Alien Encounter: The Background of <i>Childhood's End</i> .	30.1 1989-Spring: 53-69.
Art	Gardiner-Scott, Tanya	F	Through the Maze: Textual Problems in Mervyn Peake's <i>Titus Alone</i> .	30.1 1989-Spring: 70-83.
Art	Hovanec, Carol P.	F	Visions of Nature in <i>The Word for World is Forest: A Mirror of the American Consciousness</i> .	30.1 1989-Spring: 84-92.
Rev	Fischer, Norman	M	Reviews of Books.	30.1 1989-Spring: 94-96.
Adv	[Advertisement; for:]	n/r	Ohio University Press	30.1 1989-Spring: ibc.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	30.2 1989-Summer: 98.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	30.2 1989-Summer: 99-100, 188.
Art	Bleiler, E[verett]. F.	M	From the Newark Steam Man to Tom Swift.	30.2 1989-Summer: 101- 116.
Art	Hollinger, Veronica	F	"Most Grisly Truth, The": Responses to the Human Condition in the Works of James Tiptree, Jr.	30.2 1989-Summer: 117- 132.
Art	Lomax, William	M	Invisible Alien' in the Science Fiction of Clifford Simak, The.	30.2 1989-Summer: 133- 145.
Art	Heje, Johan	M	On the Genesis of <i>Norstrilia</i> .	30.2 1989-Summer: 146- 155.
Art	Bryant, Paula	F	Extending the Fabulative Continuum: DeLillo, Mooney, and Federman.	30.2 1989-Summer: 156- 165.
Art	Romer, Kathy	F	Long Habit of Writing, The: Joe Haldeman.	30.2 1989-Summer: 166- 175.
Art	Oglesbee, Frank W.	M	<i>Doctor Who</i> : Televised Science Fiction as Contemporary Melodrama.	30.2 1989-Summer: 176- 187.
Rev	Hassler, Donald M.	M	Reviews of Books.	30.2 1989-Summer: 189- 190.
Rev	Wendell, Carolyn	F	Reviews of Books.	30.2 1989-Summer: 190- 193.
Rev	Misheff, Sue	F	Reviews of Books.	30.2 1989-Summer: 193- 195.
Rev	Erlich, Richard D.	M	Reviews of Books.	30.2 1989-Summer: 195- 198.
Adv	[Advertisement; for:]	n/r	Yale University Press	30.2 1989-Summer: 199.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Kent State University Press)	30.2 1989-Summer: 200.
EM-C		n/r	Contributors.	30.3 1989-Fall: 202.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	30.3 1989-Fall: 203-204, 292.
Art	Elms, Alan C.	M	Darker Than He Thought: Jack Williamson's Fictionalization of His Psychoanalysis.	30.3 1989-Fall: 205-218.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Lomax, William	M	Giles Habibula Meets the Lords of Creation: Jack Williamson and the Power of the Pulps.	30.3 1989-Fall: 219-236.
Art	Abrash, Merritt	M	<i>Looking Backward</i> : Marxism Americanized.	30.3 1989-Fall: 237-242.
Art	Stone-Blackburn, Susan [later: Stratton, Susan]	F	Adult Telepathy: <i>Babel-17</i> and <i>The Left Hand of Darkness</i> .	30.3 1989-Fall: 243-253.
Art	Bartter, Martha A.	F	Hand that Rocks the Cradle, The.	30.3 1989-Fall: 254-266.
Art	Tanner, John S.	M	"And Every Star Perhaps a World of Destined Habitation": Milton and Moonmen.	30.3 1989-Fall: 267-279.
Art	Howard, Susan E.	F	In Search of Spiritual Maturity--George MacDonald's <i>Phantastes</i> .	30.3 1989-Fall: 280-292.
Rev	Eisenstein, Alex	M	Reviews of Books.	30.3 1989-Fall: 293-302.
Note	Thompson, Linda	F	Request for Information.	30.3 1989-Fall: 303.
Adv	[Advertisement; for:]	n/r	Indiana University Press	30.3 1989-Fall: 304.
EM-C		n/r	Contributors.	30.4 1989-Winter: 306.
EM-E	Clareson, Thomas D., [signed as:] T. D. C.	M	Launching Pad, The.	30.4 1989-Winter: 307-308, 401-403.
Art	Bleiler, Richard	M	Forgotten Giant; A Brief History of <i>Adventure Magazine</i> .	30.4 1989-Winter: 309-323.
Art	Bleiler, E. F.	M	What Price SF Authors?	30.4 1989-Winter: 324-331.
Art	Hassler, Donald M.	M	<i>Dhalgren</i> , <i>The Beggar's Opera</i> , and Georgic: Implications for the Nature of Genre.	30.4 1989-Winter: 332-338.
Art	Pohl, Frederik; Hull, Elizabeth Anne	M; F	Sharing of Worlds, The: A Dialogue.	30.4 1989-Winter: 339-349.
Art	Williamson, Jack	M	Recall to Arms!	30.4 1989-Winter: 350-352.
Art	Roberts, Robin	F	Adoptive versus Biological Mothering in <i>Aliens</i> .	30.4 1989-Winter: 353-363.
Art	Hillegas, Mark R.	M	Road Not Taken, A.	30.4 1989-Winter: 364-371.
Art	Abrash, Merritt	M	Utopia Subverted: Unstated Messages in <i>Childhood's End</i> .	30.4 1989-Winter: 372-379.
Art	Wolfe, Gary K.	M	Science Fiction as Criticism as Fiction.	30.4 1989-Winter: 380-387.
Art	Lowentroun, Peter M.	M	<i>PsiFi</i> : The Domestication of <i>Psi</i> in Science Fiction.	30.4 1989-Winter: 388-400.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Dietz, Frank	M	Reviews of Books.	30.4 1989-Winter: 404--407.
Rev	Hyles, Vernon	M	Reviews of Books.	30.4 1989-Winter: 407-409.
Rev	Vance, G. Warlock	M	Reviews of Books.	30.4 1989-Winter: 409-410.
Rev	Harris-Fain, Darren	M	Reviews of Books.	30.4 1989-Winter: 410-412.
Rev	Erlich, Richard D.	M	Reviews of Books.	30.4 1989-Winter: 412-414.
Rev	Lowentrou, Peter M.	M	Reviews of Books.	30.4 1989-Winter: 414-416.
Rev	Vance, G. Warlock	M	Reviews of Books.	30.4 1989-Winter: 416-417.
Rev	Widdicombe, Richard Toby	M	Reviews of Books.	30.4 1989-Winter: 417-420.
Rev	Dietz, Frank	M	Reviews of Books.	30.4 1989-Winter: 421-422.
Rev	Bartter, Martha A.	F	Reviews of Books.	30.4 1989-Winter: 422-425.
Rev	Vance, G. Warlock	M	Reviews of Books.	30.4 1989-Winter: 425-426.
Indx		n/r	<i>Extrapolation</i> Index to Volume 30.	30.4 1989-Winter: 427-430.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State [University Press]	30.4 1989-Winter: 431.

Fourth Decade: v. 31 -- 40, Spring 1990 -- Winter 1999

EM-C		n/r	Contributors.	31.1 1990-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	31.1 1990-Spring: 3-4.
Art	Shinn, Thelma J.	F	Fable of Reality, The: Mythoptics in John Crowley's <i>Little, Big</i> .	31.1 1990-Spring: 5-14.
Art	Edgeworth, Robert J.	M	Poverty of Invention, The; or, Mining the Classics with Janet Morris and Harry Turtledove.	31.1 1990-Spring: 15-23.
Art	Dietz, Frank	M	Utopian Re-visions of German History: Carl Amery's <i>An den Feuern der Leyermark</i> and Stefan Heym's <i>Schwarzenberg</i> .	31.1 1990-Spring: 24-35.
Art	Waugh, Robert H.	M	Lament of the Midwives, The: Arthur C. Clarke and the Tradition.	31.1 1990-Spring: 36-53.
Art	Wilcox, Clyde	M	Greening of Isaac Asimov, The: Cultural Change and Political Futures.	31.1 1990-Spring: 54-62.
Art	Wood, Diane S.	F	Breaking the Code: Vonda N. McIntyre's <i>Dreamsnake</i> .	31.1 1990-Spring: 63-72.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Seal, Julie Luedtke	F	James Tiptree, Jr.: Fostering the Future, Not Condemning It.	31.1 1990-Spring: 73-82.
Ltr	Russ, Joanna	F	[letter; in:] Letters.	31.1 1990-Spring: 83.
Ltr	Lake, David J.	M	[letter; in:] Letters.	31.1 1990-Spring: 84.
Ltr	Eisenstein, Alex	M	[letter; in:] Letters.	31.1 1990-Spring: 84-88.
Rev	Hassler, Donald M., [signed as:] D. M. H.	M	Reviews of Books.	31.1 1990-Spring: 89-92.
Rev	Davis, Kathe	F	Reviews of Books.	31.1 1990-Spring: 92-93.
Rev	Pedersen, Ellen M.	F	Reviews of Books.	31.1 1990-Spring: 93-96.
EM-C		n/r	Contributors.	31.2 1990-Summer: 98.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	31.2 1990-Summer: 99-100.
Art	Blackmore, Tim	M	Bester/Chaykin Connection, The: An Examination of Substance Assisted by Style.	31.2 1990-Summer: 101-124.
Art	Brigg, Peter	M	"Redemption's Song": Society and the Creative Elite in Thomas Disch's <i>On Wings of Song</i> .	31.2 1990-Summer: 125-133.
Art	Simpson, Anne B.	F	"Tangible Antagonist", The: H. G. Wells and the Discourse of Otherness.	31.2 1990-Summer: 134-147.
Art	Hicks, James E.	M	Louis and Teela, Teela and Seeker: Sexual Relationships in Larry Niven's <i>Ringworld</i> .	31.2 1990-Summer: 148-159.
Art	Herbert, Gary B.	M	Hegelian "Bad Infinite" in Walter M. Miller's <i>Canticle for Leibowitz</i> , The.	31.2 1990-Summer: 160-169.
Art	Brown, Richard E.	M	Worlds of Darkness, Light and Half-Light in <i>The Green Child</i> .	31.2 1990-Summer: 170-187.
Rev	Dunn, Thomas P.	M	Reviews of Books.	31.2 1990-Summer: 187-190.
Rev	Vance, G. Warlock	M	Reviews of Books.	31.2 1990-Summer: 190-191.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press.	31.2 1990-Summer: 192.
Adv	[Advertisement; for:]	n/r	Southern Illinois University Press.	31.2 1990-Summer: ibc.
EM-C		n/r	Contributors.	31.3 1990-Fall: 194.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	31.3 1990-Fall: 195-196.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Vorda, Allan	M	Forging of Science Fiction, The: An Interview with Greg Bear.	31.3 1990-Fall: 197-215.
Bib	Hicks, James E[dmond]	M	Selective Annotated Bibliography of <i>A Canticle for Leibowitz</i> , A.	31.3 1990-Fall: 216-228.
Art	Hollinger, Veronica	F	Feminist Science Fiction: Breaking Up the Subject.	31.3 1990-Fall: 229-239.
Art	Hatfield, Len	M	Galaxy Within, The: Paradox and Synecdoche as Heuristic Tropes in Greg Bear's Science Fiction.	31.3 1990-Fall: 240-257.
Art	Senior, W. A.	M	Significance of Names, The: Mythopoesis in "The First Chronicles of Thomas Covenant".	31.3 1990-Fall: 258-269.
Rev	Hassler, Donald M.	M	Reviews of Books.	31.3 1990-Fall: 270-273.
Rev	Davis, Kathe	F	Reviews of Books.	31.3 1990-Fall: 273-278.
Rev	Mead, David G.	M	Reviews of Books.	31.3 1990-Fall: 278-280.
Rev	Harris-Fain, Darren	M	Reviews of Books.	31.3 1990-Fall: 280-284.
Rev	Tyson, Nancy Jane	F	Reviews of Books.	31.3 1990-Fall: 284-286.
Rev	Kane, John R.	M	Reviews of Books.	31.3 1990-Fall: 286.
Rev	Harris-Fain, Darren	M	Reviews of Books.	31.3 1990-Fall: 287-288.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	31.3 1990-Fall: ibc.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	31.3 1990-Fall: bc.
EM-C		n/r	Contributors.	31.4 1990-Winter: 290.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	31.4 1990-Winter: 291-292.
Art	Orth, Michael	M	Reefs on the Right: Fascist Politics in Contemporary American Libertarian Utopias.	31.4 1990-Winter: 293-316.
Art	Ellis, Reuben J.	M	Mary Shelley Reading Ludvig Holberg: A Subterranean Fantasy at the Outer Edge of <i>Frankenstein</i> .	31.4 1990-Winter: 317-325.
Art	Lindskold, Jane M.	F	All Roads <i>Do</i> Lead to Amber.	31.4 1990-Winter: 326-332.
Art	Fry, Carrol L.	M	"What God Doth the Wizard Pray To": Neo-Pagan Witchcraft and Fantasy Fiction.	31.4 1990-Winter: 333-346.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Ltr	Hollinger, Veronica	F	[letter; in:] Letters.	31.4 1990-Winter: 347-348.
Ltr	Seal, Julie Luedtke	F	[letter; in:] Letters.	31.4 1990-Winter: 348.
Rev	Erlich, Richard D.	M	Reviews of Books.	31.4 1990-Winter: 349-252.
Rev	Pedersen, Ellen M.	F	Reviews of Books.	31.4 1990-Winter: 352-356.
Rev	Warrick, Patricia	F	Reviews of Books.	31.4 1990-Winter: 356-358.
Rev	Dietz, Frank	M	Reviews of Books.	31.4 1990-Winter: 359-360.
Rev	Harris-Fain, Darren	M	Reviews of Books.	31.4 1990-Winter: 360-362.
Indx		n/r	<i>Extrapolation</i> Index to Volume 31.	31.4 1990-Winter: 363-366.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	31.4 1990-Winter: 367.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	31.4 1990-Winter: 368.
EM-C		n/r	Contributors.	32.1 1991-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	32.1 1991-Spring: 3-4.
Art	Williamson, Jack	M	Our First Decade.	32.1 1991-Spring: 5-10.
Art	Westfahl, Gary	M	Warp-Drive to Sequelize, The: Book One in the Chronicles of Westfahl the Critic.	32.1 1991-Spring: 11-19.
Art	Barrow, Craig; Barrow, Diana	M; F	Le Guin's Earthsea: Voyages in Consciousness.	32.1 1991-Spring: 20-44.
Art	Erisman, Fred	M	Robert Heinlein, the Scribner Juveniles, and Cultural Literacy.	32.1 1991-Spring: 45-53.
Art	Donahue, Peter J.	M	Alcoholism as Ideology in Raymond Carver's "Careful" and "Where I'm Calling From".	32.1 1991-Spring: 54-63.
Art	Prieto-Pablos, Juan A.	M	Ambivalent Hero of Contemporary Fantasy and Science Fiction, The.	32.1 1991-Spring: 64-80.
Ltr	Morris, J[anet] E.	F	[letter; in:] Letters.	32.1 1991-Spring: 81-83.
Ltr	Edgeworth, Robert J.	M	[letter; in:] Letters.	32.1 1991-Spring: 83-86.
Rev	Cummins, Elizabeth [aka: Cogell, Elizabeth C.]	F	Reviews of Books.	32.1 1991-Spring: 87-91.
Rev	Dietz, Frank	M	Reviews of Books.	32.1 1991-Spring: 92-95.
Rev	Molson, Francis J.	M	Reviews of Books.	32.1 1991-Spring: 95-99.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Blackmore, Tim	M	Reviews of Books.	32.1 1991-Spring: 99-102.
Rev	Dunn, Thom	M	Reviews of Books.	32.1 1991-Spring: 102-104.
Adv	[Advertisement; for:]	n/r	ROC/Penguin USA.	32.1 1991-Spring: ibc.
Adv	[Advertisement; for:]	n/r	Atheneum	32.1 1991-Spring: bc.
EM-C		n/r	Contributors.	32.2 1991-Summer: 106.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	32.2 1991-Summer: 107-108.
Art	Clareson, Thomas D.	M	Tribute to Donald A. Wollheim (1914-1990).	32.2 1991-Summer: 109-110.
Art	Wilcox, Clyde	M	Governing Galactic Civilization: Hobbes and Locke in Outer Space.	32.2 1991-Summer: 111-123.
Art	Blackmore, Tim	M	Ender's Beginning: Battling the Military in Orson Scott Card's <i>Ender's Game</i> .	32.2 1991-Summer: 124-142.
Art	Harris-Fain, Darren	M	Created in the Image of God: The Narrator and the Computer in Harlan Ellison's "I Have No Mouth, and I Must Scream".	32.2 1991-Summer: 143-155.
Art	Kramer, Reinhold	M	Machine in the Ghost, The: Time and Presence in Varley's <i>Millennium</i> .	32.2 1991-Summer: 156-169.
Art	Carter, Susanne	F	Variations on Vietnam: Women's Innovative Interpretations of the Vietnam War Experience.	32.2 1991-Summer: 170-183.
Art	Abrash, Merritt	M	R.U.R. Restored and Reconsidered: Review Essay.	32.2 1991-Summer: 184-192.
Rev	Remington, Thomas J.	M	Reviews of Books.	32.2 1991-Summer: 193-199.
Rev	Schlobin, Roger C.	M	Reviews of Books.	32.2 1991-Summer: 199-203.
Adv	[Advertisement; for:]	n/r	<i>Science Fiction Chronicle</i> .	32.2 1991-Summer: 204.
Adv	[Advertisement; for:]	n/r	Penguin USA	32.2 1991-Summer: ibc.
EM-C		n/r	Contributors.	32.3 1991-Fall 206.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The.	32.3 1991-Fall 207-208.
Art	Mosier, M. Patricia	F	Sufi Model for the Teacher / Disciple Relationship in <i>The Sirian Experiments</i> , A.	32.3 1991-Fall 209-221.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Palmer, Christopher	M	Critique and Fantasy in Two Novels by Philip K. Dick.	32.3 1991-Fall 222-234.
Art	Lazar, Mary	F	Sam Johnson on Grub Street, Early Science Fiction Pulps, and Vomnegut.	32.3 1991-Fall 235-255.
Art	Gordon, Andrew	M	<i>Raiders of the Lost Ark</i> : Totem and Taboo.	32.3 1991-Fall 256-267.
Art	Erisman, Fred	M	Sites for Sore Souls: Some Science-Fiction Saloons.	32.3 1991-Fall 268-277.
Art	Olsen, Lance	M	Shadow of Spirit in William Gibson's Matrix Trilogy, The.	32.3 1991-Fall 278-289.
Ltr	Schulman, J. Neil	M	[letter; in:] Letters.	32.3 1991-Fall 290-291.
Ltr	Pierce, John J.	M	[letter; in:] Letters.	32.3 1991-Fall 291-292.
Ltr	Orth, Michael	M	[letter; in:] Letters.	32.3 1991-Fall 292-294.
Rev	Lobdell, Jared C.	M	Reviews of Books. [w/ Note from D.M.H. [Donald M. Hassler.]	32.3 1991-Fall 295-297.
Rev	Hassler, Donald M.	M	Reviews of Books.	32.3 1991-Fall 297-298.
Rev	Morrison, Michael A.	M	Reviews of Books.	32.3 1991-Fall 298-300.
Adv	[Advertisement; for:]	n/r	Indiana University Press	32.3 1991-Fall ibc.
EM-C		n/r	Contributors.	32.4 1991-Winter 302.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The: On Filiation.	32.4 1991-Winter 303-304.
Art	Mullen, R. D.	M	Ray Cummings as the American H. G. Wells.	32.4 1991-Winter 305-308.
Art	Lobdell, Jared C.	M	Spenglerian City in James Blish's <i>After Such Knowledge</i> , The.	32.4 1991-Winter 309-318.
Art	Klarer, Mario	M	Re-Membering Men Dis-Membered in Sally Miller Gearhart's Ecofeminist Utopia <i>The Wanderground</i> .	32.4 1991-Winter 319-330.
Art	Spencer, Susan	F	Post-Apocalyptic Library, The: Oral and Literate Culture in <i>Fahrenheit 451</i> and <i>A Canticle for Leibowitz</i> .	32.4 1991-Winter 331-342.
Bib	Rogers, Deborah D.	F	Ann Radcliffe in the 1980s: An Annotated Bibliography of Criticism.	32.4 1991-Winter 343-349.
Art	Mead, David G.	M	Technological Transfiguration in William Gibson's Sprawl Novels: <i>Neuromancer</i> , <i>Count Zero</i> , and <i>Mona Lisa Overdrive</i> .	32.4 1991-Winter 350-360.
Rev	Clareson, Thomas D.	M	Reviews of Books	32.4 1991-Winter 361-368.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Simmers, Gary	M	Reviews of Books	32.4 1991-Winter 368-372.
Rev	Hassler, Donald M.	M	Reviews of Books	32.4 1991-Winter 373-374.
Indx		n/r	<i>Extrapolation</i> Index to Volume 32	32.4 1991-Winter 375-378.
Adv	[Advertisement; for:]	n/r	Indiana University Press	32.4 1991-Winter 379.
Adv	[Advertisement; for:]	n/r	Indiana University Press	32.4 1991-Winter ibc.
EM-C		n/r	Contributors.	33.1 1992-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The: The Wider Discipline.	33.1 1992-Spring: 3-4.
CfP	[Call for Papers]	n/r	Call for Papers. [<i>Extrapolation</i> special issue: Politics and Science Fiction, 1993-Fall. (Clyde Wilcox)]	33.1 1992-Spring: 5.
Art	Westfahl, Gary	M	New Campaign for Science Fiction, A.	33.1 1992-Spring: 6-23.
Art	Lowentrou, Peter	M	<i>Batman</i> : Winging through the Ruins of the American Baroque.	33.1 1992-Spring: 24-31.
Art	Swirski, Peter	M	Playing a Game of Ontology: A Postmodern Reading of <i>The Futurological Congress</i> .	33.1 1992-Spring: 32-40.
Art	Lindskold, Jane M.	F	Pervasive Influence of Poetry in the Works of Roger Zelazny, The.	33.1 1992-Spring: 41-58.
Art	Pennington, John	M	Alice at the Back of the North Wind, Or the Metafictions of Lewis Carroll and George MacDonald.	33.1 1992-Spring: 59-72.
Art	Bazin, Nancy Topping	F	Madness Mysticism, and Fantasy: Shifting Perspectives in the Novels of Doris Lessing, Bessie Head, and Nadine Gordimer.	33.1 1992-Spring: 73-87.
Art	Wilcox, Clyde	M	To Boldly Return Where Others Have Gone Before: Cultural Change and the Old and New <i>Star Trek</i> s.	33.1 1992-Spring: 88-100.
Rev	Tanaka, Keishi; Hassler, D. M. [Donald M.]	M; M	Reviews of Books.	33.1 1992-Spring: 101-103.
Rev	Hollinger, Veronica	F	Reviews of Books.	33.1 1992-Spring: 103-105.
Rev	Simmers, Gary	M	Reviews of Books.	33.1 1992-Spring: 105-108.
Rev	Hassler, Donald M.	M	Reviews of Books.	33.1 1992-Spring: 108-110.
Adv	[Advertisement; for:]	n/r	University of Chicago Press	33.1 1992-Spring: 111.
EM-C		n/r	Contributors.	33.2 1992-Summer: 112.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The: T. E. Dikty (1920-1991).	33.2 1992-Summer: 113-114.
Art	Hassler, Donald M.	M	Arthur Machen and Genre: Filial and Fannish Alternatives.	33.2 1992-Summer: 115-127.
Art	McDonald, Beth E.	F	Vampire as Trickster Figure in Bram Stoker's <i>Dracula</i> , The.	33.2 1992-Summer: 128-144.
Art	Widdicombe, Toby	M	Why Is There Barbed Wire Around Eutopia?	33.2 1992-Summer: 145-153.
Art	Barry, Nora; Prescott, Mary	F; F	Beyond Words: The Impact of Rhythm as Narrative Technique in <i>The Left Hand of Darkness</i> .	33.2 1992-Summer: 154-165.
Art	Soyka, David	M	Frankenstein and the Miltonic Creation of Evil.	33.2 1992-Summer: 166-177.
Rev	Dietz, Frank	M	Reviews of Books.	33.2 1992-Summer: 178-179.
Rev	Wilcox, Clyde	M	Reviews of Books.	33.2 1992-Summer: 179-181.
Rev	Westfahl, Gary	M	Reviews of Books.	33.2 1992-Summer: 181-184.
Adv	[Advertisement; for:]	n/r	Indiana University Press	33.2 1992-Summer: 185.
EM-C		n/r	Contributors.	33.3 1992-Fall: 186.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The: Sir Keith Feiling (1884-1977).	33.3 1992-Fall: 187-188.
CfP	[Call for Papers]	n/r	Call for Papers. [<i>Extrapolation</i> special issue: Politics and Science Fiction, 1993-Fall. (Clyde Wilcox)]	33.3 1992-Fall: 189.
Art	Campbell, Laura E.	F	Dickian Time in <i>The Man in the High Castle</i> .	33.3 1992-Fall: 190-201.
Art	Cummins, Elizabeth [aka: Cogell, Elizabeth C.]	F	Short Fiction by Judith Merrill.	33.3 1992-Fall: 202-214.
Art	Matheson, T. J.	M	Triumphant Technology and Minimal Man: <i>The Technological Society</i> , Science Fiction Films, and Ridley Scott's <i>Alien</i> .	33.3 1992-Fall: 215-229.
Art	Blackmore, Tim	M	Hunchbacked Hero in the Fiction of A. J. Budrys, The.	33.3 1992-Fall: 230-244.
Art	Roberts, Robin	F	Matthew Arnold's "Dover Beach", Gender, and Science Fiction.	33.3 1992-Fall: 245-257.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Deery, June	F	Technology and Gender in Aldous Huxley's Alternative (?) Worlds.	33.3 1992-Fall: 258-273.
Rev	Fein, Susanna Greer	F	Reviews of Books.	33.3 1992-Fall: 274-277.
Rev	Wilcox, Clyde	M	Reviews of Books.	33.3 1992-Fall: 277-280.
Rev	Camden, Vera	F	Reviews of Books.	33.3 1992-Fall: 280-282.
Rev	Widdicombe, Toby	M	Reviews of Books.	33.3 1992-Fall: 282-284.
Rev	Erlich, Richard D.	M	Reviews of Books.	33.3 1992-Fall: 284-289.
Rev	Wilcox, Clyde	M	Reviews of Books.	33.3 1992-Fall: 289-290.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	33.3 1992-Fall: 291.
EM-C		n/r	Contributors.	33.4 1992-Winter: 292.
EM-E	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Pad, The: <i>Labor Omnia Vicit</i> .	33.4 1992-Winter: 293-294.
Art	Monk, Patricia	F	Not Just "Cosmic Skullduggery": A Partial Reconsideration of Space Opera.	33.4 1992-Winter: 295-316.
Art	Allen, Virginia	F	Ethos and Marginalization in the Henry James / H. G. Wells Affair.	33.4 1992-Winter: 317-332.
Art	Caldwell, Larry W.	M	Wells, Orwell, and Atwood: (EPI)Logic and Eu/Utopia.	33.4 1992-Winter: 333-345.
Art	Fleissner, Robert F.	M	H. G. Wells and Ralph Ellison: Need the Effect of One Invisible Man on Another Be <i>Itself</i> Invisible?	33.4 1992-Winter: 346-350.
Art	Lowentroun, Peter	M	<i>War of the Worlds</i> Revisited, <i>The</i> : Science Fiction and the Angst of Secularization.	33.4 1992-Winter: 351-359.
Rev	Smith, Bobby L.	M	Reviews of Books.	33.4 1992-Winter: 360-366.
Rev	Widdicombe, Toby	M	Reviews of Books.	33.4 1992-Winter: 366-367.
Rev	Simmers, Gary	M	Reviews of Books.	33.4 1992-Winter: 367-370.
Rev	Erlich, Richard D.	M	Reviews of Books.	33.4 1992-Winter: 370-373.
Indx		n/r	<i>Extrapolation</i> Index to Volume 33.	33.4 1992-Winter: 374-377.
Adv	[Advertisement; for:]	n/r	University of Georgia Press	33.4 1992-Winter: 378.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	33.4 1992-Winter: ibc.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	34.1 1993-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Pastoral SF.	34.1 1993-Spring: 3-4.
Art	Malmgren, Carl	M	Languages of Science Fiction, The: Samuel Delaney's <i>Babel-17</i> .	34.1 1993-Spring: 5-17.
Art	Voller, Jack G.	M	Neuromanticism: Cyberspace and the Sublime.	34.1 1993-Spring: 18-29.
Art	Magistrale, Tony	M	Free Will and Sexual Choice in <i>The Stand</i> .	34.1 1993-Spring: 30-38.
Art	Roberts, Bette B.	F	Strange Case of <i>Mary Reilly</i> , The.	34.1 1993-Spring: 39-47.
Art	Slethaug, Gordon E.	M	"Discourse of Arrogance", Popular Power, and Anarchy, The: The (First) Chronicles of Thomas Covenant the Unbeliever.	34.1 1993-Spring: 48-63.
Art	Schmitt, Ronald	M	Mythology and Technology: The Novels of William Gibson.	34.1 1993-Spring: 64-78.
Ltr	Barron, Neil	M	[letter; in:] Letters: On Westfahl, Malmgren, and Methodology.	34.1 1993-Spring: 79-90.
Ltr	Kincaid, Paul	M	[letter; in:] Letters: On Westfahl, Malmgren, and Methodology.	34.1 1993-Spring: 80-81.
Ltr	Stone-Blackburn, Susan [later: Stratton, Susan]	F	[letter; in:] Letters: On Westfahl, Malmgren, and Methodology.	34.1 1993-Spring: 81-83.
Ltr	Hassler, Donald M., [signed as:] D. M. H.	M	Editor's Note [in:] Letters: On Westfahl, Malmgren, and Methodology.	34.1 1993-Spring: 83.
Rev	Hassler, Donald M.	M	Reviews of Books.	34.1 1993-Spring: 84-86.
Rev	Blackmore, Tim	M	Reviews of Books.	34.1 1993-Spring: 86-89.
Adv	[Advertisement; for:]	n/r	University of Notre Dame Press	34.1 1993-Spring: 91.
EM-C		n/r	Contributors.	34.2 1993-Summer: 98.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Far from Trantor.	34.2 1993-Summer: 99-100.
Art	Molson, Francis J.	M	Great Marvel: The First American Hardcover Science Fiction Series.	34.2 1993-Summer: 101- 122.
Art	Hellekson, Karen	F	Never Never Underpeople: Cordwainer Smith's Humanity.	34.2 1993-Summer: 123- 130.
Art	Blackmore, Tim	M	Warring Stories: Fighting for Truth in the Science Fiction of Joe Haldeman.	34.2 1993-Summer: 131- 146.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Tobin, Lee Ann [later: McClain, Lee Tobin]	F	Why Change the Arthur Story?: Marion Zimmer Bradley's <i>The Mists of Avalon</i> .	34.2 1993-Summer: 147-157.
Art	Brown, Carroll	M	Flame in the Heart of the Wood, The: The Integration of Myth and Science in Robert Holdstock's <i>Mythago Wood</i> .	34.2 1993-Summer: 158-172.
Ltr	Westfahl, [Gary]	M	[letter; in:] Letters: Westfahl's Reply to Spring 1993 Letters.	34.2 1993-Summer: 173-175.
Rev	Widdicombe, Toby	M	Reviews of Books.	34.2 1993-Summer: 176-178.
Rev	Clareson, Thomas D.	M	Reviews of Books.	34.2 1993-Summer: 178-184.
Rev	Dietz, Frank	M	Reviews of Books.	34.2 1993-Summer: 184-185.
Rev	Harris-Fain, Darren	M	Reviews of Books.	34.2 1993-Summer: 185-188.
Rev	Westfahl, Gary	M	Reviews of Books.	34.2 1993-Summer: 188-191.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [back issues] [Kent State University Press]	34.2 1993-Summer: ibc.
EM-C		n/r	Contributors.	34.3 1993-Fall: 194.
EM-E	Wilcox, Clyde	M	Guest Editor's Pad, The. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 195-197.
CfP	[Call for Papers]	n/r	Call for Papers [<i>Foundation</i> special issue: Science Fiction Research: The State of the Art (Edward James; Gary Westfahl)].	34.3 1993-Fall: 198.
Art	Pohl, Frederik	M	Politics of Prophecy, The. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 199-208.
Art	Barton-Kriese, Paul	M	Exploring Divergent Realities: Using Science Fiction to Teach Introductory Political Science. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 209-215.
Art	Deery, June	F	H. G. Wells's <i>A Modern Utopia</i> as a Work in Progress. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 216-229.
Art	Wu, Dingbo	M	Understanding Utopian Literature. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 230-244.

APPENDIX D (continued):
***Extrapolation*: Contents: Volumes 1-50, December 1959-Fall 2009**

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Hassler, Donald M.	M	Swift, Pohl, and Kornbluth: Publicists Anatomize Newness. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 245-250.
Art	Lagon, Mark P.	M	"We Owe It to Them to Interfere": <i>Star Trek</i> and U.S. Statecraft in the 1960s and 1990s. [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 251-264.
Art	Wilcox, Rhonda V.	F	Dating Data: Miscegenation in <i>Star Trek: The Next Generation</i> . [for sp issue: Politics and Science Fiction]	34.3 1993-Fall: 265-277.
Rev	Hassler, Donald M.	M	Reviews of Books.	34.3 1993-Fall: 278-280.
Rev	Hall, Hal W.	M	Reviews of Books.	34.3 1993-Fall: 280-281.
Rev	Vasbinder, Samuel H.	M	Reviews of Books.	34.3 1993-Fall: 281-284.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	34.3 1993-Fall: 285.
Adv	[Advertisement; for:]	n/r	SF-TH, Inc.	34.3 1993-Fall: 286.
Adv	[Advertisement; for:]	n/r	<i>Configurations</i> (Johns Hopkins University Press in co-op with Georgia Institute of Technology)	34.3 1993-Fall: 287.
EM-C		n/r	Contributors.	34.4 1993-Winter: 286.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Trials, Errors, and Poetry.	34.4 1993-Winter: 287-288.
CfP	[Call for Papers]	n/r	Call for Papers [<i>Extrapolation</i> special issue on: Feminisms, Feminist Theory, and Science Fiction; 1995-Fall (Kathe Davis)].	34.4 1993-Winter: 289.
Art	Westfahl, Gary	M	Words That Could Happen, The: Science Fiction Neologisms and the Creation of Future Worlds.	34.4 1993-Winter: 290-304.
Art	Allen, Virginia	F	Ethos of English Departments, The: Henry James and H. G. Wells, Continued.	34.4 1993-Winter: 305-328.
Art	Senior, W. A.	M	"From the begetting of monsters": Distortion as Unifier in <i>A Canticle for Leibowitz</i> .	34.4 1993-Winter: 329-339.
Art	Abbott, Joe	M	"Monster" Reconsidered, The: <i>Blade Runner's</i> Replicant as Romantic Hero.	34.4 1993-Winter: 340-350.
Ltr	Eng, Steve	M	[letter; in:] Letters.	34.4 1993-Winter: 351.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Ltr	Aldiss, Brian W.	M	[letter; in:] Letters.	34.4 1993-Winter: 351-352.
Ltr	Monk, Patricia	F	[letter; in:] Letters.	34.4 1993-Winter: 352-353.
Rev	Hassler, Donald M.	M	Reviews of Books.	34.4 1993-Winter: 354-356.
Rev	Smith, Curtis C.	M	Reviews of Books.	34.4 1993-Winter: 356-359.
Rev	Mead, David	M	Reviews of Books.	34.4 1993-Winter: 359-361.
Indx		n/r	<i>Extrapolation</i> Index to Volume 34.	34.4 1993-Winter: 362-365.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	34.4 1993-Winter: 366.
Adv	[Advertisement; for:]	n/r	University of North Carolina Press	34.4 1993-Winter: 367.
EM-C		n/r	Contributors.	35.1 1994-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Thomas D. Clareson, 1926-1993.	35.1 1994-Spring: 3-4.
Art	Cummins, Elizabeth [aka: Cogell, Elizabeth C.]	F	Judith Merrill: Scouting SF.	35.1 1994-Spring: 5-14.
Art	Manlove, Colin	M	Scottish Fantasy.	35.1 1994-Spring: 15-32.
Art	Lobdell, Jared C.	M	Man Who Didn't Write Fantasy, The: Lord Dunsany and the Self-Deprecatory Tradition in English Light Fiction.	35.1 1994-Spring: 33-42.
Art	Brigg, Peter	M	J. G. Ballard: Time Out of Mind.	35.1 1994-Spring: 43-59.
Art	Lindskold, Jane M.	F	Robert Asprin: The Man Behind the <i>Myths</i> .	35.1 1994-Spring: 60-67.
Art	Henighan, Tom	M	Cyclopean City, The: A Fantasy Image of Decadence.	35.1 1994-Spring: 68-76.
Rev	Westfahl, Gary	M	Reviews of Books.	35.1 1994-Spring: 77-80.
Rev	Harris-Fain, Darren	M	Reviews of Books.	35.1 1994-Spring: 80-82.
Rev	Harris-Fain, Darren	M	Reviews of Books.	35.1 1994-Spring: 82-84.
Rev	Davis, Kathe	F	Reviews of Books.	35.1 1994-Spring: 84-89.
Rev	Hassler, Donald M.	M	Reviews of Books.	35.1 1994-Spring: 89-90.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	35.1 1994-Spring: 91.
EM-C		n/r	Contributors.	35.2 1994-Summer: 92.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Chaos and Old Night.	35.2 1994-Summer: 93-94.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Westfahl, Gary	M	"This Unique Document": Hugo Gernsback's <i>Ralph 124C 41+</i> and the Genres of Science Fiction.	35.2 1994-Summer: 95-119.
Art	Mendlesohn, Farah	F	Gender, Power, and Conflict Resolution: "Subcommittee" by Zenna Henderson.	35.2 1994-Summer: 120-129.
Art	Smith, Jeanette C.	F	Role of Women in Contemporary Arthurian Fantasy, The.	35.2 1994-Summer: 130-144.
Art	Neustadter, Roger	M	Back to the Future: Childhood as Utopia.	35.2 1994-Summer: 145-154.
Rev	Wilcox, Clyde	M	Reviews of Books.	35.2 1994-Summer: 155-157.
Rev	Hassler, Donald M.	M	Reviews of Books.	35.2 1994-Summer: 157-158.
Rev	Mendlesohn, Farah	F	Reviews of Books.	35.2 1994-Summer: 158-160.
Rev	De Los Santos, Oscar	M	Reviews of Books.	35.2 1994-Summer: 160-163.
Rev	Elms, Alan C.	M	Reviews of Books.	35.2 1994-Summer: 163-166.
Rev	Robillard, Douglas	M	Reviews of Books.	35.2 1994-Summer: 166-170.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	35.2 1994-Summer: 171.
Adv	[Advertisement; for:]	n/r	<i>Science Fiction Chronicle</i>	35.2 1994-Summer: 171b.
Adv	[Advertisement; for:]	n/r	Johns Hopkins University Press	35.2 1994-Summer: 171c.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	35.2 1994-Summer: 171d.
EM-C		n/r	Contributors.	35.3 1994-Fall: 172.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Ghosts, More Mistakes, Sonnets.	35.3 1994-Fall: 173-175.
Art	Westfahl, Gary	M	Beyond Logic and Literacy: The Strange Case of Space Opera.	35.3 1994-Fall: 176-185.
Art	Willis, Martin T.	M	Scientific Portraits in Magical Frames: The Construction of Preternatural Narrative in the Work of E. T. A. Hoffman and Arthur Machen.	35.3 1994-Fall: 186-200.
Art	Ringel, Faye	F	Scribbles, The: A Shared World.	35.3 1994-Fall: 201-210.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Shor, Francis	M	<i>Iron Heel's</i> Marginal(ized) Utopia, <i>The</i> .	35.3 1994-Fall: 211-229.
Art	Whyde, Janet M.	F	Fantastic Disillusionment: Rupturing Narrative and Rewriting Reality in <i>The Circus of Dr. Lao</i> .	35.3 1994-Fall: 230-240.
Art	Layton, David	M	Closed Circuits and Monitored Lives: Television as Power in <i>Doctor Who</i> .	35.3 1994-Fall: 241-251.
Ltr	Ketterer, David	M	[letter; in:] Letters.	35.3 1994-Fall: 252-253.
Ltr	Westfahl, Gary	M	[letter; in:] Letters.	35.3 1994-Fall: 253.
Rev	De Los Santos, Oscar	M	Reviews of Books.	35.3 1994-Fall: 254-257.
Rev	Fischer, Norman	M	Reviews of Books.	35.3 1994-Fall: 257-259.
Rev	Hassler, Donald M.	M	Reviews of Books.	35.3 1994-Fall: 259-261.
Rev	Wilcox, Clyde	M	Reviews of Books.	35.3 1994-Fall: 261-262.
Rev	Davis, Kathe	F	Reviews of Books.	35.3 1994-Fall: 262-266.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [back issues] (Kent State University Press).	35.3 1994-Fall: ibc.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	35.3 1994-Fall: bc.
EM-C		n/r	Contributors.	35.4 1994-Winter: 268.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad, The: Where Authority Lies.	35.4 1994-Winter: 269-270.
Art	Henry, Richard	M	Charles Williams and the Aesthetic Ideal of Friedrich von Schiller.	35.4 1994-Winter: 271-280.
Art	Kelleghan, Fiona	F	Ambiguous News from the Heartland: John Kessel's <i>Good News from Outer Space</i> .	35.4 1994-Winter: 281-297.
Art	Heyne, Eric	M	<i>Gateway</i> to an Erotics of Narrative.	35.4 1994-Winter: 298-311.
Art	Schleifer, Paul C.	M	Fear of the Other in Melissa Scott's <i>Dreamships</i> .	35.4 1994-Winter: 312-318.
Art	Cheever, Leonard A.	M	Epistemological Chagrin: The Literary and Philosophical Antecedents of Stanislaw Lem's Romantic Misanthrope.	35.4 1994-Winter: 319-229.
Art	Schroeder, Randy	M	Neu-Criticizing William Gibson.	35.4 1994-Winter: 330-341.
Art	Dudley, Joseph M.	M	Transformational SF Religions: Philip Jose Farmer's <i>Night of Light</i> and Robert Silverberg's <i>Downward to Earth</i> .	35.4 1994-Winter: 342-350.
Ltr	Nicholls, Peter	M	[letter; in:] Letters.	35.4 1994-Winter: 351-252.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Ltr	Westfahl, Gary	M	[letter; in:] Letters.	35.4 1994-Winter: 353-254.
Rev	Robillard, Douglas	M	Reviews of Books.	35.4 1994-Winter: 355-258.
Rev	Wilcox, Clyde	M	Reviews of Books.	35.4 1994-Winter: 359.
Indx		n/r	<i>Extrapolation</i> Index to Volume 35.	35.4 1994-Winter: 360-362.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	35.4 1994-Winter: ibc.
Adv	[Advertisement; for:]	n/r	Bowling Green State University Popular Press	35.4 1994-Winter: ibc.
Adv	[Advertisement; for:]	n/r	University of California Press	35.4 1994-Winter: bc.
EM-C		n/r	Contributors.	36.1 1995-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Memories from the Golden Age.	36.1 1995-Spring: 3-4.
EM-E	Hines, Susan C.	F	What's Academic about <i>Trek</i> . [special issue editor's intro, in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 5-9.
Art	Pendergast, John S.	M	Nation of Hamlets, A: Shakespeare and Cultural Politics. [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 10-17.
Art	Buhler, Stephen M.	M	"Who Calls Me Villain?": Blank Verse and the Black Hat. [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 18-27.
Art	Houlahan, Mark	M	Cosmic Hamlets?: Contesting Shakespeare in Federation Space. [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 28-37.
Art	Dutta, Mary Buhl	F	"Very bad poetry, Captain": Shakespeare in <i>Star Trek</i> . [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 38-45.
Art	Reinheimer, David	M	Ontological and Ethical Allusion: Shakespeare in <i>The Next Generation</i> . [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 46-54.
Art	Hegarty, Emily	F	Some Suspect of Ill: Shakespeare's Sonnets and "The Perfect Mate". [in: special issue on <i>Star Trek</i> .]	36.1 1995-Spring: 55-64.
Rev	Gareis, Mary Ann M.	F	Reviews of Books.	36.1 1995-Spring: 65-67.
Rev	Fife, Emelle	F	Reviews of Books.	36.1 1995-Spring: 67-70.
Rev	Browning, Jennifer Lynn	F	Reviews of Books.	36.1 1995-Spring: 70-73.
Rev	Eidson, Hank	M	Reviews of Books.	36.1 1995-Spring: 73-76.
Rev	Baker, Neal	M	Reviews of Books.	36.1 1995-Spring: 76-79.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	De Los Santos, Oscar	M	Reviews of Books.	36.1 1995-Spring: 79-81.
Rev	Sramcik, Timothy J.	M	Reviews of Books.	36.1 1995-Spring: 82-83.
Rev	James, Edward; Mendlesohn, Farah	M; F	Reviews of Books.	36.1 1995-Spring: 83-86.
CfP	[Call for Papers]	n/r	Call for Papers. [Society for Utopian Studies, 20th Annual Meeting, 1995; SFRA Annual Conference, 1995.]	36.1 1995-Spring: 87.
EM-C		n/r	Contributors.	36.2 1995-Summer: 88.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Radical Heinlein.	36.2 1995-Summer: 89-90.
Art	Gunn, James	M	Worldview of Science Fiction, The.	36.2 1995-Summer: 91-95.
Art	Slusser, George	M	Heinlein's Fallen Futures.	36.2 1995-Summer: 96-112.
Art	Parkin-Speer, Diane	F	Almost a Feminist: Robert A. Heinlein.	36.2 1995-Summer: 113-125.
Art	Westfahl, Gary	M	Dark Side of the Moon, The: Robert A. Heinlein's <i>Project Moonbase</i> .	36.2 1995-Summer: 126-135.
Art	Blackmore, Tim	M	Talking with <i>Strangers</i> : Interrogating the Many Texts That Became Heinlein's <i>Stranger in a Strange Land</i> .	36.2 1995-Summer: 136-150.
Art	Reno, Shaun	M	Zuni Indian Tribe, The: A Model for <i>Stranger in a Strange Land's</i> Martian Culture.	36.2 1995-Summer: 151-158.
Rev	Sramcik, Timothy J.	M	Reviews of Books.	36.2 1995-Summer: 159-160.
Rev	Post, Jonathan Vos	M	Reviews of Books.	36.2 1995-Summer: 160-163.
Rev	MacLean, Heather	F	Reviews of Books.	36.2 1995-Summer: 163-165.
Rev	Butvin, Susan	F	Reviews of Books.	36.2 1995-Summer: 165-168.
Rev	Trahair, Richard C. S.	M	Reviews of Books.	36.2 1995-Summer: 168-171.
Rev	Baker, Neal	M	Reviews of Books.	36.2 1995-Summer: 171-173.
EM-C		n/r	Contributors.	36.3 1995-Fall: 176.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Davis, Kathe	F	Guest Editor's Pad: What about Us Grils? [introduction to sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 177-180.
PL	Barr, Marleen S.	F	Goodnight Gynesis; Goodnight, Gyn/Ecology. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 181-183.
Art	Roberts, Robin	F	It's Still Science Fiction: Strategies of Feminist Science Fiction Criticism. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 184-197.
Art	Cummins, Elizabeth [aka: Cogell, Elizabeth C.]	F	Judith Merrill: A Link with the New Wave-Then and Now. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 198-209.
Art	Donawerth, Jane	F	Woman as Machine in Science Fiction by Women. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 210-221.
Art	Harper, Mary Catherine	F	Being a Boundary: The Abject Subjects of Elizabeth Hand's HEL Trilogy. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 222-243.
Art	Littlefield, Holly	F	Unlearning Patriarchy: Ursula Le Guin's Feminist Consciousness in The Tombs of Atuan and Tehanu. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 244-258.
Art	Lassner, Phyllis	F	"New World Indeed, AI": Feminist Critique and Power Relations in British Anti-Utopian Literature of the 1930s. [in sp iss: Feminisms, Feminist Theory, and Science Fiction.]	36.3 1995-Fall: 259-272.
Rev	Hassler, Donald M.	M	Reviews of Books.	36.3 1995-Fall: 273-274.
Rev	MacLean, Heather	F	Reviews of Books.	36.3 1995-Fall: 274-277.
Rev	De Los Santos, Oscar	M	Reviews of Books.	36.3 1995-Fall: 277-280.
EM-C		n/r	Contributors.	36.4 1995-Winter: 282.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Foundations of Empire.	36.4 1995-Winter: 283-284.
Art	Adamovič, Ivan. Tr. Cyril Simsa.	M; M	Jan Weiss (1892-1972), Karel Čapek's Overlooked Contemporary.	36.4 1995-Winter: 285-291.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Luckhurst, Roger	M	Repetition and Unreadability: J. G. Ballard's <i>Vermilion Sands</i> .	36.4 1995-Winter: 292-304.
Art	Moyle, David	M	Beyond the Black Hole: The Emergence of Science Fiction Themes in the Recent Works of Martin Amis.	36.4 1995-Winter: 305-315.
Art	McKitterick, Christopher	M	James Gunn and <i>The Dreamers</i> : Epitomes of an Evolving Science Fiction.	36.4 1995-Winter: 316-332.
Art	Erismann, Wendy E.	F	Inverting the Ideal World: Carnival and the Carnavalesque in Contemporary Utopian Science Fiction.	36.4 1995-Winter: 333-344.
Art	Hoskinson, Kevin	M	<i>Martian Chronicles</i> and <i>Fa[h]renheit 451, The</i> : Ray Bradbury's Cold War Novels.	36.4 1995-Winter: 345-359.
Art	Butvin, Susan M.	F	<i>Final Encyclopedia, The</i> : Gordon R. Dickson's Creative Universe.	36.4 1995-Winter: 360-368.
Rev	Erlich, Richard D.	M	Reviews of Books.	36.4 1995-Winter: 369-376.
Rev	Robillard, Douglas	M	Reviews of Books.	36.4 1995-Winter: 376-378.
Rev	Harris-Fain, Darren	M	Reviews of Books.	36.4 1995-Winter: 378-380.
Indx		n/r	<i>Extrapolation</i> Index to Volume 36.	36.4 1995-Winter: 381-384.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	36.4 1995-Winter: bc.
EM-C		n/r	Contributors	37.1 1996-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Roger Zelazny, 1937-1995.	37.1 1996-Spring: 3-4.
Art	Cowan, S. A.	M	Eatbugs, Edgar, and Odin: The Influence of Shakespeare and Northern Mythology on William's <i>Tailchaser's Song</i> .	37.1 1996-Spring: 5-21.
Art	Mulcahy, Kevin	M	<i>Prince on Arrakis, The</i> : Frank Herbert's Dialogue with Machiavelli.	37.1 1996-Spring: 22-36.
Art	Chandler, Wayne A.	M	<i>Frankenstein's</i> Many Readers.	37.1 1996-Spring: 37-45.
Art	Michalski, Robert	M	Malice of Inanimate Objects, The: Exchange in M. R. James's Ghost Stories.	37.1 1996-Spring: 46-62.
Bib	Berman, Ruth	F	Fantasy Fiction and Fantasy Criticism in Some Nineteenth-Century Periodicals.	37.1 1996-Spring: 63-95.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Hassler, Donald M.	M	Reviews of Books.	37.1 1996-Spring: 96-97.
Rev	Baker, Neal	M	Reviews of Books.	37.1 1996-Spring: 97-100.
Rev	Elms, Alan C.	M	Reviews of Books.	37.1 1996-Spring: 100-102.
Rev	Baker, Neal	M	Reviews of Books.	37.1 1996-Spring: 102-104.
Adv	[Advertisement; for:]	n/r	Canton Museum of Art	37.1 1996-Spring: ibc.
Adv	[Advertisement; for:]	n/r	Sirius Fiction	37.1 1996-Spring: bc.
EM-C		n/r	Contributors	37.2 1996-Summer: 106.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Cyber-Webb.	37.2 1996-Summer: 107-108.
Art	Kelleghan, Fiona	F	Camouflage in Fantastic Fiction and Film.	37.2 1996-Summer: 109-120.
Art	Sanders, Joe	M	Private Psi: Joan D. Vinge's <i>Catspaw</i> .	37.2 1996-Summer: 121-126.
Art	Andre-Driussi, Michael	M	Posthistory 101.	37.2 1996-Summer: 127-138.
Art	Birken, Lawrence	M	<i>Blind Spot</i> in Science Fiction, <i>The</i> : A Reconsideration.	37.2 1996-Summer: 139-150.
Art	DiTommaso, Lorenzo	M	Robert E. Howard's Hyborian Tales and the Question of Race in Fantastic Literature.	37.2 1996-Summer: 151-170.
Ltr	Erlich, Rich[ard D.]	M	[letter; in:] Letters.	37.2 1996-Summer: 171.
Rev	Hassler, Donald M.	M	Reviews of Books	37.2 1996-Summer: 172-174.
Rev	Erlich, Richard D.	M	Reviews of Books	37.2 1996-Summer: 174-177.
Rev	Sramcik, Timothy J.	M	Reviews of Books	37.2 1996-Summer: 177-178.
Rev	Vance, G. Warlock	M	Reviews of Books	37.2 1996-Summer: 178-180.
Rev	Westfahl, Gary	M	Reviews of Books	37.2 1996-Summer: 180-185.
Rev	Widdicombe, Toby	M	Reviews of Books	37.2 1996-Summer: 185-187.
Rev	Kontouli, Cleopatra	F	Reviews of Books	37.2 1996-Summer: 187-188.
Rev	MacLean, Heather	F	Reviews of Books	37.2 1996-Summer: 189-190.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [back issues] (Kent State University Press).	37.2 1996-Summer: 191.
Adv	[Advertisement; for:]	n/r	Sirius Fiction	37.2 1996-Summer: ibc.
EM-C		n/r	Contributors	37.3 1996-Fall: 192.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Para-Teaching.	37.3 1996-Fall: 193-194.
Art	Rossi, Umberto	M	Just a Bunch of Words: The Image of the Secluded Family and the Problem of λογοζ in P. K. Dick's <i>Time Out of Joint</i> .	37.3 1996-Fall: 195-211.
Art	Lundquist, Lynne	F	Myth and Illiteracy: Bill and Ted's Explicated Adventures.	37.3 1996-Fall: 212-223.
Art	Haehl, Anne L.	F	Miles Vorkosigan and the Power of Words: A Study of Lois McMaster Bujold's Unlikely Hero.	37.3 1996-Fall: 224-233.
Art	Hellekson, Karen	F	Poul Anderson's Time Patrol as Anti-Alternate History.	37.3 1996-Fall: 234-244.
Art	McGiveron, Rafeeq O.	M	What "Carried the Trick"?: Mass Exploitation and the Decline of Thought in Ray Bradbury's <i>Fahrenheit 451</i> .	37.3 1996-Fall: 245-256.
Art	Seed, David	M	Recycling the Texts of the Culture: Walter M. Miller's <i>A Canticle for Leibowitz</i> .	37.3 1996-Fall: 257-271.
Ltr	Aldiss, Brian	M	[letter; in:] Letters.	37.3 1996-Fall: 272-273.
Ltr	Moyle, David	M	[letter; in:] Letters.	37.3 1996-Fall: 273.
Rev	Aldiss, Brian W.	M	Reviews of Books.	37.3 1996-Fall: 274-277.
Rev	Lobdell, Jared C.	M	Reviews of Books.	37.3 1996-Fall: 277-279.
Rev	Harris-Fain, Darren	M	Reviews of Books.	37.3 1996-Fall: 279-283.
Rev	Sramcik, Timothy J.	M	Reviews of Books.	37.3 1996-Fall: 283-285.
Rev	Hassler, Donald M.	M	Reviews of Books.	37.3 1996-Fall: 285-286.
EM-C		n/r	Contributors	37.4 1996-Winter: 288.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Art in Ohio.	37.4 1996-Winter: 289-290.
Art	Westfahl, Gary	M	Where No Market Has Gone Before: "The Science Fiction Industry" and the Star Trek Industry.	37.4 1996-Winter: 291-301.
Art	Franko, Carol	F	Acts of Attention at the Borderlands: Le Guin's <i>The Beginning Place</i> Revisited.	37.4 1996-Winter: 302-315.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Rochelle, Warren	M	Story, Plato, and Ursula K. Le Guin, The.	37.4 1996-Winter: 316-329.
Art	Afnan, Elham	F	Chaos and Utopia: Social Transformation in Woman on the Edge of Time.	37.4 1996-Winter: 330-340.
Art	Lobdell, Jared C.	M	Stone Pastorals: Three Men on the Side of the Horses.	37.4 1996-Winter: 341-356.
Art	Buchanan, C. J.	M	J. L. Borges's Lovecraftian Tale: "There Are More Things" in the Dream Than We Know.	37.4 1996-Winter: 357-263.
Rev	Hassler, Donald M.	M	Reviews of Books.	37.4 1996-Winter: 364-366.
Rev	Vasbinder, Samuel H.	M	Reviews of Books.	37.4 1996-Winter: 366-368.
Rev	Baker, Neal	M	Reviews of Books.	37.4 1996-Winter: 368-370.
Rev	Hassler, Donald M.	M	Reviews of Books.	37.4 1996-Winter: 370-371.
Indx		n/r	<i>Extrapolation</i> Index to Volume 37.	37.4 1996-Winter: 372-375.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	37.4 1996-Winter: 377.
EM-C		n/r	Contributors.	38.1 1997-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Politics, Collaboration, Method.	38.1 1997-Spring: 3-4.
Art	Patrouch, Joe [Joseph, Jr.]	M	Some Thoughts on American SF.	38.1 1997-Spring: 5-14.
Art	Brigg, Peter	M	"Literary Anthropology" of the Hainish, A, Derived from the Tracings of the Species Guin.	38.1 1997-Spring: 15-24.
Art	Beauchamp, Gorman	M	Ironizing Utopia.	38.1 1997-Spring: 25-35.
Art	Critchett, David	M	One Ring to Fool Them, One Ring to Blind Them: The Propaganda of <i>The Lord of the Rings</i> .	38.1 1997-Spring: 36-56.
Art	Franko, Carol	F	Density of Utopian Destiny in Robinson's <i>Red Mars</i> , The.	38.1 1997-Spring: 57-65.
Art	Schopp, Andrew.	M	From Misogyny to Homophobia and Back Again: The Play of Erotic Triangles in Stephen King's <i>Christine</i> .	38.1 1997-Spring: 66-78.
Ltr	Easterbrook, Neil	M	[letter; in:] Letters.	38.1 1997-Spring: 79-80.
Ltr	Widdicombe, Toby	M	[letter; in:] Letters.	38.1 1997-Spring: 80-81.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Fischer, Norman	M	Reviews of Books.	38.1 1997-Spring: 82-85.
Rev	Barron, Neil	M	Reviews of Books.	38.1 1997-Spring: 85-88.
EM-C		n/r	Contributors.	38.2 1997-Summer: 90.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Distance Learning and the Restoration.	38.2 1997-Summer: 91-93.
Art	Erisman, Fred	M	Robert A. Heinlein's Primers of Politics.	38.2 1997-Summer: 94-101.
Art	McGiveron, Refeeq O.	M	"Do You Know the Legend of Hercules and Antaeus?": The Wilderness in Ray Bradbury's <i>Fahrenheit 451</i> .	38.2 1997-Summer: 102-109.
Art	McLean, Susan	F	Power of Women in Ursula K. Le Guin's <i>Tehanu</i> , The.	38.2 1997-Summer: 110-118.
Art	Mucher, Walter J.	M	Tracing the Modern Self in Italo Calvino's <i>Cosmicomics</i> : Qfwfq's Journey through Spacetime.	38.2 1997-Summer: 119-126.
Art	Mather, Philippe	M	Science Fiction Film in the Genological Jungle.	38.2 1997-Summer: 127-134.
Art	Olsen, Alexandra H.	F	Re-Vision: A Comparison of <i>A Canticle for Leibowitz</i> and the Novellas Originally Published.	38.2 1997-Summer: 135-149.
Art	Hassler, Donald M.	M	Ambivalences in the Venus of Pamela Sargent.	38.2 1997-Summer: 150-156.
Ltr	Knight, Damon	M	[letter; in:] Letter.	38.2 1997-Summer: 157-159.
Rev	Craik, Roger	M	Reviews of Books.	38.2 1997-Summer: 160-162.
Rev	Davidson, Donald E.	M	Reviews of Books.	38.2 1997-Summer: 162-164.
Rev	Westfahl, Gary	M	Reviews of Books.	38.2 1997-Summer: 164-167.
Rev	Lovett-Graff, Bennett	M	Reviews of Books.	38.2 1997-Summer: 167-169.
Note	Sargent, Lyman Tower	M	Conference Notice.	38.2 1997-Summer: 170.
EM-C		n/r	Contributors.	38.3 1997-Fall: 172.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Emerson and Lovecraft.	38.3 1997-Fall: 173-174.
Art	Lovett-Graff, Bennett	M	Shadows Over Lovecraft: Reactionary Fantasy and Immigrant Eugenics.	38.3 1997-Fall: 175-192.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	McClain, Lee Tobin [earlier: Tobin, Lee Ann]	F	Gender Anxiety in Arthurian Romance	38.3 1997-Fall: 193-199.
Art	Pennington, John	M	From Fact to Fantasy in Victorian Fiction: Dickens's <i>Hard Times</i> and MacDonald's <i>Phantastes</i> .	38.3 1997-Fall: 200-206.
Art	Waugh, Robert H.	M	Spirals and Metaphors: The Shape of Divinity in Olaf Stapledon's Myth.	38.3 1997-Fall: 207-221.
Art	Walters, F[rancis] Scott	M	Final Trilogy of Philip K. Dick, The.	38.3 1997-Fall: 222-235.
Rev	Hassler, Donald M.	M	Reviews of Books.	38.3 1997-Fall: 236-238.
Rev	Leonard, Elisabeth Anne	F	Reviews of Books.	38.3 1997-Fall: 238-240.
Rev	Vance, G. Warlock	M	Reviews of Books.	38.3 1997-Fall: 240-242.
Rev	Kelly, M. R.	U	Reviews of Books.	38.3 1997-Fall: 242-244.
Rev	Hassler, Donald M.	M	Reviews of Books.	38.3 1997-Fall: 244-246.
Rev	Lovett-Graff, Bennett	M	Reviews of Books.	38.3 1997-Fall: 246-248.
Rev	Leonard, Elisabeth Anne	F	Reviews of Books.	38.3 1997-Fall: 248-250.
Adv	[Advertisement; for:]	n/r	University of Chicago Press	38.3 1997-Fall: ibc.
EM-C		n/r	Contributors.	38.4 1997-Winter: 252.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Personality and Text.	38.4 1997-Winter: 253-254.
Art	Westfahl, Gary	M	Sturgeon's Fallacy.	38.4 1997-Winter: 255-277.
Art	Casimir, Viviane	F	Data and Dick's Deckard: Cyborg as Problematic Signifier.	38.4 1997-Winter: 278-291.
Art	Morse, Donald E.	M	Thinking Intelligently about Science and Art: Kurt Vonnegut's <i>Galápagos</i> and <i>Bluebeard</i> .	38.4 1997-Winter: 292-303.
Art	McClintock, Michael W.	M	Problem of Stopping at Slowyear, The.	38.4 1997-Winter: 304-317.
Art	Jacobs, Naomi	F	Failures of the Imagination in <i>Ecotopia</i> .	38.4 1997-Winter: 318-326.
Art	Dalglish, David	M	Review Essay: The Ambivalent Paradise: or, Nature and the Transcendent in British SF.	38.4 1997-Winter: 327-342.
Ltr	Sanders, Joe	M	[letter; in:] Letter.	38.4 1997-Winter: 343.
Rev	Hassler, Donald M.	M	Reviews of Books.	38.4 1997-Winter: 344-346.
Rev	Vance, G. Warlock	M	Reviews of Books.	38.4 1997-Winter: 346-348.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Indx		n/r	<i>Extrapolation</i> Index to Volume 38.	38.4 1997-Winter: 349-351.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	38.4 1997-Winter: 352.
EM-C		n/r	Contributors	39.1 1998-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Asimov to Updike and Back.	39.1 1998-Spring: 3-4.
Art	Sandner, David	M	Shooting for the Moon: Méliès, Verne, Wells, and the Imperial Satire.	39.1 1998-Spring: 5-25.
Art	Hendershot, Cyndy	F	Invaded Body, The: Paranoia and Radiation Anxiety in <i>Invaders from Mars</i> , <i>It Came from Outer Space</i> , and <i>Invasion of the Body Snatchers</i> .	39.1 1998-Spring: 26-39.
Art	McGiveron, Rafeeq O.	M	"Relationship . . . More than Six Inches Deep, A": Lust and Love in Silverberg's Science Fiction.	39.1 1998-Spring: 40-51.
Art	Smith, Jeanette C.	F	Heroine Within, The: Psychological Archtypes in Tanith Lee's <i>A Heroine of the World</i> .	39.1 1998-Spring: 52-56.
Art	Dolis, John	M	Calvino's <i>Cosmicomics</i> : Original Si(g)n.	39.1 1998-Spring: 57-67.
Art	Lobdell, Jared C.	M	Irritation of Oysters, An: C. S. Lewis and the Myth in Mythopoeia.	39.1 1998-Spring: 68-84.
Ltr	Harris-Fain, Darren	M	[letter; in:] Letters.	39.1 1998-Spring: 85-89.
Ltr	Manlove, Colin	M	[letter; in:] Letters.	39.1 1998-Spring: 89.
Rev	Hassler, Donald M.	M	Reviews of Books.	39.1 1998-Spring: 90-91.
Rev	Slusser, George	M	Reviews of Books.	39.1 1998-Spring: 91-94.
Rev	Kaveny, Phil; Bogstad, Jan	M; F	Reviews of Books.	39.1 1998-Spring: 94-98.
Rev	Fitzgerald, C[huck] T.	M	Reviews of Books.	39.1 1998-Spring: 98-101.
Rev	Murdock, Tina	F	Reviews of Books.	39.1 1998-Spring: 101-104.
EM-C		n/r	Contributors	39.2 1998-Summer: 106.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Utopian Process and Satanic Voices.	39.2 1998-Summer: 107-108.
Art	Drake, H. L.	M	Jack Williamson: An Interview, with Notes.	39.2 1998-Summer: 109-119.
Art	Barr, Marleen	F	Playing with Time: Jack Dann Approaches the Holocaust as "A Different Universe of Discourse".	39.2 1998-Summer: 120-127.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Freedman, Carl	M	Remembering the Future: Science and Positivism from Isaac Asimov to Gregory Benford.	39.2 1998-Summer: 128-138.
Art	Kaplan, Carter	M	Jules Verne, Herman Melville, and the "Question of the Monster".	39.2 1998-Summer: 139-147.
Art	Potin, Yves; tr. Heather MacLean	M; F	Four Levels of Reality in Philip K. Dick's <i>Time Out of Joint</i> .	39.2 1998-Summer: 148-165.
Rev	Simmons, James R.	M	Reviews of Books.	39.2 1998-Summer: 166-168.
Rev	Miller, Joseph D.	M	Reviews of Books.	39.2 1998-Summer: 168-170.
Rev	Vance, G. Warlock	M	Reviews of Books.	39.2 1998-Summer: 170-172.
Rev	Montville, Julianne	F	Reviews of Books.	39.2 1998-Summer: 172-174.
Rev	Marbais, Peter Christian	M	Reviews of Books.	39.2 1998-Summer: 174-176.
Rev	Fitzgerald, C[huck] T.	M	Reviews of Books.	39.2 1998-Summer: 176-179.
Rev	Hubbell, Gary	M	Reviews of Books.	39.2 1998-Summer: 179-180.
Rev	Marbais, Peter Christian	M	Reviews of Books.	39.2 1998-Summer: 181-183.
EM-C		n/r	Contributors	39.3 1998-Fall: 186.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Comic Tones and the Center.	39.3 1998-Fall: 187-188.
Art	Fishbaugh, Brent	M	Moore and Gibbons's <i>Watchmen</i> : Exact Personifications of Science.	39.3 1998-Fall: 189-198.
Art	Simmons, James R.	M	Utopian Cycles: Trends in American Visions of the Alternative Society.	39.3 1998-Fall: 199-218.
Art	Carollo, Kevin	M	Tiptree's Colonial Imagination: The Ambivalent Home of a Haploid Heart.	39.3 1998-Fall: 219-235.
Art	Leonard, Elisabeth Anne	F	"Burden of Intolerable Strangeness, The": Using C. S. Lewis to See Beyond Realism in the Fiction of A. S. Byatt.	39.3 1998-Fall: 236-248.
Art	Baker, Neal	M	Imaginative Forecasting, Models, and Environmental Chaos.	39.3 1998-Fall: 249-257.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Hall, Jenna	F	James Blish and Alexander Pope: A Study in Cases.	39.3 1998-Fall: 258-263.
Art	Gillis, Ryan	M	Dick on the Human: From Wubs to Bounty Hunters to Bishops.	39.3 1998-Fall: 264-271.
Ltr	Gunn, James	M	[letter; in:] Letters.	39.3 1998-Fall: 272-275.
Ltr	Hassler, Don [son of: Donald M. Hassler]	M	Letter to the Editor from his son, March 1998 [letter; in:] Letters.	39.3 1998-Fall: 275-276.
Rev	Montville, Julianne	F	Reviews of Books	39.3 1998-Fall: 277-279.
Rev	Hassler, Donald M.	M	Reviews of Books	39.3 1998-Fall: 279-281.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	39.3 1998-Fall: 282.
Adv	[Publisher's House Advertisement; for:]	n/r	Kent State University Press	39.3 1998-Fall: 283.
Adv	[Advertisement; for:]	n/r	<i>Journal of the Fantastic in the Arts</i>	39.3 1998-Fall: ibc.
EM-C		n/r	Contributors	39.4 1998-Winter: 284.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Tackling Tough History.	39.4 1998-Winter: 285-286.
Art	DiTommaso, Lorenzo	M	λόγος or Two Concerning the λογοζ of Umberto Rossi and Philip K. Dick's <i>Time Out of Joint</i> .	39.4 1998-Winter: 287-298.
Art	Weinbaum, Batya	F	Leslie F. Stone's "Men with Wings" and "Women with Wings": A Woman's View of War Between the Wars.	39.4 1998-Winter: 299-313.
Art	Causo, Roberto de Sousa	M	Science Fiction During the Brazilian Dictatorship.	39.4 1998-Winter: 314-323.
Art	Smith, Scott Andrew	M	Role of the Emersonian "Poet" in Harry Martinson's <i>Aniara: A Review of Man in Time and Space</i> .	39.4 1998-Winter: 324-337.
Art	Blackmore, Tim	M	Animachinations: Twenty-four Frames per Second of Still Life.	39.4 1998-Winter: 338-351.
Art	Cuomo, Amy	F	Scientific Appropriation of Female Reproductive Power in <i>Junior</i> .	39.4 1998-Winter: 352-363.
Art	LaBounty, David	M	Origins of Inspiration, The: Winwood Reade's Role in the Foundation of Isaac Asimov's Psychohistory.	39.4 1998-Winter: 364-372.
Rev	Hassler, Donald M.	M	Reviews of Books.	39.4 1998-Winter: 373-374.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Briggs [sic, Brigg], Peter	M	Reviews of Books.	39.4 1998-Winter: 374-376.
Rev	Kelly, M. R.	U	Reviews of Books.	39.4 1998-Winter: 376-380.
Indx		n/r	<i>Extrapolation</i> Index to Volume 39.	39.4 1998-Winter: 381-384.
EM-C		n/r	Contributors.	40.1 1999-Spring: 2.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Skepticism, Belief, and Asimov.	40.1 1999-Spring: 3-4.
Art	De Los Santos, Oscar	M	Clogging Up the (In)Human Works: Harlan Ellison's Apocalyptic Postmodern Visions. [ToC & index say: Clossing Up ...]	40.1 1999-Spring: 5-20.
Art	Roberts, Robin	F	Rape, Romance, and Consent in <i>Star Trek: The Next Generation</i> .	40.1 1999-Spring: 21-35.
Art	Rochelle, Warren	M	Community Triumphant: American Romantic / Pragmatic Rhetoric in John Barnes's <i>Orbital Resonance</i> .	40.1 1999-Spring: 36-52.
Art	McGiveron, Rafeeq O.	M	"Starry-Eyed Internationalists" versus the Social Darwinists: Heinlein's Transnational Governments.	40.1 1999-Spring: 53-70.
Art	Doherty, John J.	M	History as It Ought to Have Been: The Arthurian Fantasies of David Gemmell.	40.1 1999-Spring: 71-80.
Art	Erisman, Fred	M	Sharyn McCrumb's Comic Critiques of SF Fandom.	40.1 1999-Spring: 81-89.
Rev	Friedow, Kyle W.	M	Reviews of Books.	40.1 1999-Spring: 90-94.
Ltr	Brians, Paul	M	[letter; in:] Letters.	40.1 1999-Spring: 95.
EM-C		n/r	Contributors.	40.2 1999-Summer: 98.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Gargantuan Food for Thought.	40.2 1999-Summer: 99-100.
Art	Slusser, George	M	Perils of an Experiment, The: Jules Verne and the American Lone Genius.	40.2 1999-Summer: 101-115.
Art	Brigg, Peter	M	Future as the Past Viewed from the Present, The: Neal Stephenson's <i>The Diamond Age</i> .	40.2 1999-Summer: 116-124.
Art	Oakes, David A.	M	Eternal Circle, The: The Beginning and Ending of E. R. Eddison's <i>The Worm Ouroboros</i> .	40.2 1999-Summer: 125-128.
Art	Drake, H. L.	M	Interview with Hal Clement, An.	40.2 1999-Summer: 129-144.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Goodrich, Janet L.	F	Bringing Order Out of Chaos: Huxley's <i>Time Must Have a Stop</i> and Vedanta.	40.2 1999-Summer: 145-152.
Art	Gerlach, John	M	Rhetoric of a Impossible Object, The: Gods, Chems, and Science Fantasy in Gene Wolfe's <i>Book of the Long Sun</i> .	40.2 1999-Summer: 153-161.
Art	Sandner, David	M	Tracking Grendel: The Uncanny in <i>Beowulf</i> .	40.2 1999-Summer: 162-176.
Rev	Davis, Kathe	F	Reviews of Books.	40.2 1999-Summer: 177-181.
Rev	Taves, Brian	M	Reviews of Books.	40.2 1999-Summer: 181-184.
EM-C		n/r	Contributors.	40.3 1999-Fall: 186.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: History and Chronicle.	40.3 1999-Fall: 187-188.
Art	Bourbon, Brett	M	Is Science Fiction a Who or a What?	40.3 1999-Fall: 189-199.
Art	Kaplan, Carter	M	Advent of Literary Dystopia, The.	40.3 1999-Fall: 200-212.
Art	DelRosso, Jeana	F	Womanization of Utopias, The: Sally Miller Gearhart's Rhetorical Fiction.	40.3 1999-Fall: 213-223.
Art	Adair, Gerald	M	Specter is Haunting Fritz Leiber, A: The Influence of M. R. James on "The Pale Brown Thing".	40.3 1999-Fall: 224-232.
Art	Elsbree, Langdon	M	Language of Extremity, The: The Four Elements in Golding's <i>The Inheritors</i> .	40.3 1999-Fall: 233-243.
Art	Hantke, Steffen	M	Difference Engines and Other Infernal Devices: History According to Steampunk.	40.3 1999-Fall: 244-254.
Ltr	Mendlesohn, Farah	F	[letter; in:] Letters.	40.3 1999-Fall: 255.
Ltr	Hassler, Donald M., [signed as:] D. M. H.	M	[reply to letter; in:] Letters.	40.3 1999-Fall: 256.
Rev	Grant, John [pso: Barnett, Paul]	M	Reviews of Books.	40.3 1999-Fall: 257-260.
Rev	Hassler, Donald M.	M	Reviews of Books.	40.3 1999-Fall: 260-261.
Rev	Remley, Dirk	M	Reviews of Books.	40.3 1999-Fall: 261-263.
Rev	Hassler, Donald M.	M	Reviews of Books.	40.3 1999-Fall: 263-264.
Rev	Hassler, Donald M.	M	Reviews of Books.	40.3 1999-Fall: 264-265.
CfP	[Call for Papers]	n/r	Call for Papers: Horror. [SW/TX PCA & ACA, 2000. (Steffen Hantke)]	40.3 1999-Fall: 266.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	40.4 1999-Winter: 268.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: At Forty.	40.4 1999-Winter: 269.
Art	Clareson, Alice S.	F	Carry on, <i>Extrapolation!</i>	40.4 1999-Winter: 271-276.
Art	Clarke, I. F.	M	Battle of Dorking, The: Second Thoughts.	40.4 1999-Winter: 277-283.
Art	Harris-Fain, Darren	M	Serendipities of a Science Fiction Scholar.	40.4 1999-Winter: 284-291.
Art	Westfahl, Gary	M	On the Trail of a Pioneer: Dorothy Scarborough, the First Academic.	40.4 1999-Winter: 292-303.
Art	Hall, Hal W.; Arent, Wendy	M; F	Bibliographic Control of Science Fiction, The: A Quarter-Century of Change.	40.4 1999-Winter: 304-313.
Art	Cummins, Elizabeth [aka: Cogell, Elizabeth C.]	F	American SF, 1940s-1950s: Where's the Book?: The New York Nexus.	40.4 1999-Winter: 314-319.
Art	Wymer, Thomas L.	M	"Comes Now the Power": Roger Zelazny's Transformation of Romantic Poetic Themes.	40.4 1999-Winter: 320-324.
Art	Wilcox, Clyde	M	Prehistoric Gender Politics.	40.4 1999-Winter: 325-333.
Art	Aldiss, Brian	M	Inhabited Place, The.	40.4 1999-Winter: 334-340.
Art	Erich, Richard D.	M	From Shakespeare to Le Guin: Authors as Auteurs.	40.4 1999-Winter: 341-350.
Art	Johnston, Laura	F	"Orr" and "Orwell": Le Guin's <i>The Lathe of Heaven</i> and Orwell's <i>Nineteen Eighty-Four</i> .	40.4 1999-Winter: 351-354.
Ltr	Clareson, Alice S.	F	[letter; in:] Letters.	40.4 1999-Winter: 355-256.
Ltr	Knight, Damon	M	[letter; in:] Letters.	40.4 1999-Winter: 356.
Indx		n/r	<i>Extrapolation</i> Index to Volume 40.	40.4 1999-Winter: 357-360.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	40.4 1999-Winter: 361.
<i>Fifth Decade: v. 41 -- 50, Spring 2000 -- Fall 2009</i>				
EM-C		n/r	Contributors	41.1 2000-Spring: 2.
EM-E	Westfahl, Gary, guest ed.	M	Guest Editor's Pad: Combativeness and Science Fiction, or, Look Forward in Anger. [in sp iss: Combativeness and SF.]	41.1 2000-Spring: 3-6.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Brin, David	M	Our Favorite Cliché: A World Filled with Idiots . . . Or why Fiction Routinely Depicts Society and Its Citizens as Fools. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 7-20.
Art	Grant, John [pseudonym of: Barnett, Paul]	M	Gulliver Unravels: Generic Fantasy and the Loss of Subversion. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 21-27.
Art	Finch, Sheila	F	Dispatches from the Trenches: Science Fiction in the Classroom. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 28-35.
Art	Hassler, Donald M.	M	Ambivalence toward "Classes" or "Genres": The Cases of Hal Clement and Anthony Trollope. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 36-42.
Art	Barr, Marleen S.	F	Revamping the Rut Regarding Reading and Writing about Feminist Science Fiction: Or, I Want to Engage in Procrustean Bedmaking. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 43-50.
Art	Holbrook, Morris B.; Stern, Barbara	M; F	Use of Space-Travel and Rocket-Ship Imagery to Market Commercial Music, The: How Some Jazz Albums from the 1950s, 1960s, and 1970s Burned Brightly but Fizzled Fast. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 51-62.
Art	Westfahl, Gary	M	Who Governs Science Fiction. [in sp iss: <i>Combativeness and SF.</i>]	41.1 2000-Spring: 63-72.
Rev	Kapell, Matthew	M	Reviews of Books.	41.1 2000-Spring: 73-75.
Rev	Remley, Dirk	M	Reviews of Books.	41.1 2000-Spring: 75-77.
Rev	Vance, G. Warlock	M	Reviews of Books.	41.1 2000-Spring: 77-79.
EM-C		n/r	Contributors	41.2 2000-Summer: 83.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Wrestling with Authority.	41.2 2000-Summer: 85-86.
Art	Ketterer, David	M	John Wyndham and "the Searing Anguishes of Childhood": From "Fairy Story" to <i>Chocky</i> .	41.2 2000-Summer: 87-103.
Art	Kapell, Matthew	M	"Speakers for the Dead": <i>Star Trek</i> , the Holocaust, and the Representation of Atrocity.	41.2 2000-Summer: 104-114.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Howey, Ann F.	F	Churlish Hero, A: Contemporary Fantasies Rewrite Sir Kay.	41.2 2000-Summer: 115-126.
Art	Rutledge, Gregory E.	M	Science Fiction and the Black Power / Arts Movement: The Transpositional Cosmology of Samuel R. Delany, Jr.	41.2 2000-Summer: 127-142.
Art	Thomas, Ann-Marie	F	To Devour and Transform: Viral Metaphors in Science Fiction by Women.	41.2 2000-Summer: 143-160.
Art	Janney, Andrienne Wells	F	Oedipus E-mails His Mom: Computer-Mediated Romance Develops as a Science Fiction Sub-Genre.	41.2 2000-Summer: 161-174.
Art	Lobdell, Jared C.	M	Prolegomena to a Study of Lewis's Arcadian Science-Fiction: How would "The Dark Tower" Have Come Out?	41.2 2000-Summer: 175-196.
Rev	Westfahl, Gary	M	Reviews of Books.	41.2 2000-Summer: 197-201.
EM-C		n/r	Contributors	41.3 2000-Fall: 205.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Strong Voices Against Genre.	41.3 2000-Fall: 207-208.
Art	Suin, Darko	M	Considering the Sense of "Fantasy" or "Fantastic Fiction": An Effusion.	41.3 2000-Fall: 209-247.
Art	Hellekson, Karen	F	Toward a Taxonomy of the Alternate History Genre.	41.3 2000-Fall: 248-256.
Art	Sanders, Joe	M	"Monsters from the Id!" In Stephen King's <i>The Monkey</i> .	41.3 2000-Fall: 257-265.
Art	Berkove, Lawrence I.	M	Paradoxical American Appropriation of <i>Flatland</i> , A.	41.3 2000-Fall: 266-271.
Art	Erisman, Fred	M	Stratemeyer Boys' Books and the Gernsback Milieu.	41.3 2000-Fall: 272-282.
Art	Sandner, David	M	"Habituated to the Vast": Ecocriticism, the Sense of Wonder, and the Wilderness of Stars.	41.3 2000-Fall: 283-297.
Rev	Hassler, Donald M.	M	Reviews of Books.	41.3 2000-Fall: 298-300.
Rev	Baker, Neal	M	Reviews of Books.	41.3 2000-Fall: 300-304.
CfP	[Call for Papers]	n/r	Call for Papers. [2001: A Celebration of British Science Fiction, U of Liverpool & SF Foundation, 2001 (Farah Mendlesohn)]	41.3 2000-Fall: 305.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> . [subscription] (Journals Department, Kent State University Press)	41.3 2000-Fall: 306.
EM-C		n/r	Contributors	41.4 2000-Winter: 309.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Networks of Investigators, Asa Gray to Kagarlitski.	41.4 2000-Winter: 311-314.
Art	Pohl, Frederik	M	Yuli Kagarlitski, 1924-2000.	41.4 2000-Winter: 315-316.
Art	Eilers, Michelle L.	F	On the Origins of Modern Fantasy.	41.4 2000-Winter: 317-337.
Art	Cadden, Mike	M	Purposeful Movement among People and Places: The Sense of Home in Ursula K. Le Guin's Fiction for Children and Adults.	41.4 2000-Winter: 338-350.
Art	Pennington, John	M	Exorcizing Gender: Resisting Readers in Ursula K. Le Guin's <i>Left Hand of Darkness</i> .	41.4 2000-Winter: 351-358.
Art	Barnett, P. Chad	M	Reviving Cyberpunk: (Re)Constructing the Subject and Mapping Cyberspace in the Wachowski Brothers' Film <i>The Matrix</i> .	41.4 2000-Winter: 359-374.
Art	Felix, Justin	M	That Space Cadet Glow: Science Fiction Narratives in Roger Waters's Radio <i>K.A.O.S.</i> and <i>Amused to Death</i> .	41.4 2000-Winter: 375-384.
Art	Hawkins, Emma B.	F	Chalk Figures and Scouring in Tolkien-land.	41.4 2000-Winter: 385-396.
Indx		n/r	<i>Extrapolation</i> Index to Volume 41.	41.4 2000-Winter: 397-399.
CfP	[Call for Papers]	n/r	Call for Papers. [SFRA 2001 Conference; Barbara Chepaitis, Programming Chair]	41.4 2000-Winter: 400.
EM-C		n/r	Contributors.	42.1 2001-Spring: 3.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Change.	42.1 2001-Spring: 5-6.
Art	Smith, David L.	M	Walter Mosley's <i>Blue Light</i> : (Double Consciousness) ^{squared} .	42.1 2001-Spring: 7-26.
Art	Hostetler, Margaret	F	"Was it I that killed the babies?": Children as Disruptive Signifiers in Ursula K. Le Guin's <i>Always Coming Home</i> .	42.1 2001-Spring: 27-36.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Nazare, Joe	M	Backtrack to the Future: John E. Stith's / John Dos Passos's <i>Manhattan Transfer</i> .	42.1 2001-Spring: 37-52.
Art	Green, William H.	M	King Thorin's Mines: <i>The Hobbit</i> as Victorian Adventure Novel.	42.1 2001-Spring: 53-64.
Art	Galdieri, Christopher J.	M	Alexis de Tocqueville's <i>Democracy in America</i> and the American <i>Enterprise</i> .	42.1 2001-Spring: 65-74.
Art	Greenlee, Jessica	F	No Longer Divided: Wholeness in <i>Winter Rose</i> .	42.1 2001-Spring: 75-86.
Ltr	Bleiler, E[verett] F.	M	E. F. Bleiler on Westfahl. [letter; in:] Letters.	42.1 2001-Spring: 87.
Ltr	Rossi, Umberto	M	Umberto Rossi on Di Tommaso [sic, Tommaso]. [letter; in:] Letters.	42.1 2001-Spring: 88-93.
Ltr	DiTommaso, Lorenzo	M	Lorenzo DiTommaso on Rossi. [letter; in:] Letters.	42.1 2001-Spring: 93-96.
Rev	Barr, Marleen S.	F	Reviews of Books.	42.1 2001-Spring: 97-100.
Rev	Lu, Jie	F	Reviews of Books.	42.1 2001-Spring: 100-102.
Rev	Urban, Scott H.	M	Reviews of Books.	42.1 2001-Spring: 102-104.
Adv	[Advertisement; for:]	n/r	University of California Press	42.1 2001-Spring: ibc.
EM-C		n/r	Contributors.	42.2 2001-Summer: 107.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Monsters.	42.2 2001-Summer: 109-110.
Art	Slusser, George	M	Breaking the Mind Cycle: De Quincey's "The English Mail Coach" and the Origins of Science Fiction.	42.2 2001-Summer: 111-123.
Art	Elms, Alan C.	M	Between Mottile and Ambiloxi: Cordwainer Smith as a Southern Writer.	42.2 2001-Summer: 124-136.
Art	McGiveron, Rafeeq O.	M	From Love to the Free-Fire Zone: Heinlein's Mars, 1939-1987.	42.2 2001-Summer: 137-149.
Art	Dynes, William	M	Multiple Perspectives in Kim Stanley Robinson's Mars Series.	42.2 2001-Summer: 150-164.
Bib	Williams, David L.	M	Easton Press Bibliography, An.	42.2 2001-Summer: 165-188.
Ltr	Ketterer, David	M	[letter; in:] Letters.	42.2 2001-Summer: 189-191.
Rev	Freedman, Carl	M	Reviews of Books.	42.2 2001-Summer: 192-195.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Storm, Deirdre	F	Reviews of Books.	42.2 2001-Summer: 195-197.
Rev	Vance, G. Warlock	M	Reviews of Books.	42.2 2001-Summer: 197-199.
Rev	Lazar, Mary	F	Reviews of Books.	42.2 2001-Summer: 199-200.
EM-C		n/r	Contributors.	42.3 2001-Fall: 203.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Serendipity.	42.3 2001-Fall: 205-206.
Art	Freedman, Carl	M	Science Fiction and the Two Cultures: Reflections after the Snow-Leavis Controversy.	42.3 2001-Fall: 207-217.
Art	Baker, Neal	M	Syncretism: A Federalist Approach to Canadian Science Fiction.	42.3 2001-Fall: 218-231.
Art	Kucera, Paul Q.	M	Listening to Ourselves: Herbert's <i>Dune</i> , "the Voice", and Performing the Absolute.	42.3 2001-Fall: 232-245.
Art	Schneekloth, Lynda H.	F	Plants: The Ultimate Alien.	42.3 2001-Fall: 246-254.
Bib	Cummins, Elizabeth	F	Bibliography of Works by Judith Merril.	42.3 2001-Fall: 255-287.
Ltr	Williams, David	M	[letter; in:] Letters.	42.3 2001-Fall: 288-289.
Rev	Alessandrini, Anthony C.	M	Reviews of Books.	42.3 2001-Fall: 290-293.
Rev	Marbais, Peter	M	Reviews of Books.	42.3 2001-Fall: 293-295.
Adv	[Advertisement; for:]	n/r	SFRA [Science Fiction Research Association]	42.3 2001-Fall: 296.
EM-C		n/r	Contributors.	42.4 2001-Winter: 299.
EM-M		n/r	Note from the Publisher, A. [Kent State University Press]	42.4 2001-Winter: 300.
EM-E	Hassler, Donald M., [signed as:] D. M. H.]	M	Editor's Pad: Editorial Odyssey, An.	42.4 2001-Winter: 301-302.
Art	Stratton, Susan [formerly: Stone-Blackburn, Susan]	F	Messiah and the Greens, The: The Shape of Environmental Action in <i>Dune</i> and <i>Pacific Edge</i> .	42.4 2001-Winter: 303-316.
Art	Cornell, Christine	F	Interpretive Journey in Ursula K. Le Guins, <i>The Left Hand of Darkness</i> , The.	42.4 2001-Winter: 317-327.
Art	Wilcox, Rhonda V.	F	Good News from the Modern Molière: Kessel, Molière, and Catalytic Closure.	42.4 2001-Winter: 328-339.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Roberts, Robin	F	Performing Science Fiction: Television, Theater, and Gender in <i>Star Trek: The Experience</i> .	42.4 2001-Winter: 340-356.
Art	Brigg, Peter	M	Sir Julius Vogel's <i>Anno Domini 2000; or Woman's Destiny: On Mispredicting the Future</i> .	42.4 2001-Winter: 357-361.
Art	Fried, Lewis	M	<i>Canticle for Liebowitz</i> [sic, <i>Leibowitz</i>], A: A Song for Benjamin.	42.4 2001-Winter: 362-373.
Art	Zhou, Yupei	F	Beyond Ethnicity and Gender: <i>China Mountain Zhang's</i> Transcendent Techniques.	42.4 2001-Winter: 374-383.
Ltr	Williams, David L.	M	[letter; in:] Letters.	42.4 2001-Winter: 384-385.
Ltr	McGiveron, Rafeeq O.	M	[letter; in:] Letters.	42.4 2001-Winter: 385.
Ltr	Freedman, Carl	M	[letter; in:] Letters.	42.4 2001-Winter: 385-386.
Rev	Erlich, Richard D.	M	Reviews of Books.	42.4 2001-Winter: 387-389.
Indx		n/r	<i>Extrapolation</i> Index to Volume 42.	42.4 2001-Winter: 390-392.
Adv	[Publisher's House Advertisement from new publisher; for:]	n/r	Department of English, University of Texas at Brownsville & Texas Southmost College, Dept. of English.	42.4 2001-Winter: ibc.
EM-C		n/r	Contributors.	43.1 2002-Spring: 3.
EM-E	Hassler, Donald M.; Martinez, Javier A.	M; M	Voices in the Journal.	43.1 2002-Spring: 5-6.
Art	Will, Bradley A.	M	H. P. Lovecraft and the Semiotic Kantian Sublime.	43.1 2002-Spring: 7-21.
Art	Malmgren, Carl	M	Meta-SF: The Examples of Dick, LeGuin, and Russ.	43.1 2002-Spring: 22-35.
Art	Jesser, Nancy	F	Blood, Genes and Gender in Octavia Butler's <i>Kindred</i> and <i>Dawn</i> .	43.1 2002-Spring: 36-61.
Art	Davis, Kathy S.	F	Beauty in the Beast: The 'Feminization' of Weyland in <i>The Vampire Tapestry</i> .	43.1 2002-Spring: 62-79.
Art	Krulik, Theodore	M	Roger Zelazny's Road to Amber.	43.1 2002-Spring: 80-88.
Art	Schroeder, Randy	M	Inheriting Chaos: Burroughs, Pynchon, Sterling, Rucker.	43.1 2002-Spring: 89-97.
Art	Schaffrath, Stephan	M	Order-versus-Chaos Dichotomy in Bram Stoker's <i>Dracula</i> .	43.1 2002-Spring: 98-112.
Ltr	Ketterer, David	M	[letter; in:] Letters.	43.1 2002-Spring: 113-114.
Rev	Remley, Dirk	M	Reviews of Books.	43.1 2002-Spring: 115-116.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Hassler, Donald M.	M	Reviews of Books.	43.1 2002-Spring: 117-118.
Rev	Friedow, Kyle W.	M	Reviews of Books.	43.1 2002-Spring: 118-123.
Rev	Vance, G. Warlock	M	Reviews of Books.	43.1 2002-Spring: 123-124.
EM-C		n/r	Contributors.	43.2 2002-Summer: 127.
EM-E	Hassler, Donald M.	M	Acknowledgements: Voices in the Journal.	43.2 2002-Summer: 129-130.
Art	Franko, Carol	F	What-If-ing the Titans: Nancy Kress' Dialogic Beggars Trilogy.	43.2 2002-Summer: 131-162.
Art	Morrissey, Thomas J.	M	Teaching the Alphabet to the Ants: <i>The Adventures of Pinocchio</i> and Carl Sagan's <i>Contact</i> .	43.2 2002-Summer: 163-170.
Art	Mucher, Walter J.	M	Being Martian: Spatiotemporal Self in Ray Bradbury's <i>The Martian Chronicles</i> .	43.2 2002-Summer: 171-187.
Art	Winthrop-Young, Geoffrey	M	Rise and Fall of Norse America, The: Vikings, Vinland and Alternate History.	43.2 2002-Summer: 188-203.
Art	Kinyon, Kamila	F	Laughter in Zamiatin's <i>We</i> : Passageways into the Irrational.	43.2 2002-Summer: 204-218.
Art	Lu, Jie	F	Science Fiction in China: A Report on the World's Largest SF Magazine.	43.2 2002-Summer: 219-225.
Ltr	Freedman, Carl	M	[letter; in:] Letters.	43.2 2002-Summer: 226.
Rev	Lu, Jie	F	Reviews of Books.	43.2 2002-Summer: 227-229.
Rev	Taves, Brian	M	Reviews of Books.	43.2 2002-Summer: 229-232.
Rev	Taves, Brian	M	Reviews of Books.	43.2 2002-Summer: 232-234.
Rev	Simmons, James R.	M	Reviews of Books.	43.2 2002-Summer: 234-236.
Rev	Freedman, Carl	M	Reviews of Books.	43.2 2002-Summer: 237-241.
Rev	Hassler, Donald M.	M	Reviews of Books.	43.2 2002-Summer: 241-242.
CfP	[Call for Papers]	n/r	Call for Papers: Special WisCon <i>Extrapolation</i> Issue.	43.2 2002-Summer: 243.
CfP	[Call for Papers]	n/r	Call for Paper: International Association for the Fantastic in the Arts.	43.2 2002-Summer: 243.
Adv	[Advertisement; for:]	n/r	Science Fiction Research Association	43.2 2002-Summer: 244.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-C		n/r	Contributors.	43.3 2002-Fall: 247.
EM-E	Hassler, Donald M.	M	Acknowledgements: Monsters and Scientists.	43.3 2002-Fall: 249-250.
Art	Freedman, Carl	M	London As Science Fiction: A Note on Some Images from Johnson, Blake, Wordsworth, Dickens, and Orwell.	43.3 2002-Fall: 251-262.
Art	Brown, James	M	Through the Looking Glass: Victor Frankenstein and Robert Owen.	43.3 2002-Fall: 263-276.
Art	Larbalestier, Justine	F	New York Nexus and American Science Fiction in the Postwar Period, The.	43.3 2002-Fall: 277-287.
Bib	Geraghty, Lincoln	M	Reading on the Frontier: A <i>Star Trek</i> Bibliography.	43.3 2002-Fall: 288-313.
Art	Erich, Richard D.; Perkins, Diana	M; F	Hérons, Ringtrees, and Mud: Ursula K. Le Guin's <i>The Eye of the Heron</i> .	43.3 2002-Fall: 314-329.
Art	McMillan, Gloria	F	Somebody Stole My Gal: Word Cluster Analysis of Exogamy Fears in Stoker's <i>Dracula</i> .	43.3 2002-Fall: 330-341.
Ltr	Owings, Jul; Owings, Mark	F; M	[letter; in:] Letters.	43.3 2002-Fall: 342-343.
Rev	Harris-Fain, Darren	M	Reviews of Books.	43.3 2002-Fall: 344-350.
Rev	Harris-Fain, Darren	M	Reviews of Books.	43.3 2002-Fall: 350-352.
Rev	Kuykendal, Dorothy	F	Reviews of Books.	43.3 2002-Fall: 352-354.
Rev	Martinez, Javier A.	M	Reviews of Books.	43.3 2002-Fall: 354-356.
Adv	[Publisher's House Advertisement; for:]	n/r	2003 <i>Extrapolation</i> Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Dept. of English)	43.3 2002-Fall: 357.
Adv	[Advertisement; for:]	n/r	Historical Materialism: A Special Symposium: Marxism and Fantasy (Brill).	43.3 2002-Fall: 358.
CfP	[Call for Papers]	n/r	Science Fiction Research Association.	43.3 2002-Fall: 359.
EM-C		n/r	Contributors.	43.4 2002-Winter: 363.
EM-E	Martinez, Javier A.	M	Acknowledgements.	43.4 2002-Winter: 365-367.
Art	Suin, Darko	M	Goodbye and Hello: Differentiating Within the Later P. K. Dick.	43.4 2002-Winter: 368-397.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Rossi, Umberto	M	Fourfold Symmetry: The Interplay of Fictional Levels in Five More or Less Prestigious Novels by Philip K. Dick.	43.4 2002-Winter: 398-419.
Art	Toledano Redondo, Juan C.	M	Ángel Arango's Cuban Trilogy: Rationalism, Revolution and Evolution.	43.4 2002-Winter: 420-438.
Art	Trushell, John	M	Mirages in the Desert: <i>The War of the Worlds</i> and <i>Fin du Globe</i> .	43.4 2002-Winter: 439-455.
Art	Levy, Michael M.	M	<i>Duchess of Malfi</i> Revisited, <i>The</i> : J. R. Dunn's Science Fiction Revenge Tragedy.	43.4 2002-Winter: 456-464.
Rev	Hassler, Donald M.	M	Reviews of Books.	43.4 2002-Winter: 465-467.
Rev	Broderick, Paul Bohan	M	Reviews of Books.	43.4 2002-Winter: 467-471.
Rev	Stypczynski, Brent	M	Reviews of Books.	43.4 2002-Winter: 471-475.
Indx		n/r	Index to Volume 43.	43.4 2002-Winter: 476-477.
CfP	[Call for Papers]	n/r	Science Fiction Research Association.	43.4 2002-Winter: 478.
Adv	[Advertisement; for:]	n/r	<i>Journal of the Fantastic in the Arts</i> .	43.4 2002-Winter: 479.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2003 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	43.4 2002-Winter: 480.
EM-C		n/r	Contributors	44.1 2003-Spring: 3-4.
EM-E	Larbalestier, Justine	F	Introduction [to: Special WisCon Issue.]	44.1 2003-Spring: 5-8.
Ltr	Gearhart, Sally Miller	F	Letter. [in: Special WisCon Issue.]	44.1 2003-Spring: 9-10.
Art	Hoffman, Nina Kiriki	F	How I Got Here / V.2 (WisCon GOH 2002 Speech). [in: Special WisCon Issue.]	44.1 2003-Spring: 11-21.
Art	Duchamp, L. Timmel	F	Cliché from Outer Space, The: Reflections on Reports of a Death Greatly Exaggerated. [in: Special WisCon Issue.]	44.1 2003-Spring: 22-31.
Art	Lindow, Sandra J.	F	Becoming Dragon: The Transcendence of the Damaged Child in the Fiction of Ursula K. Le Guin. [in: Special WisCon Issue.]	44.1 2003-Spring: 32-44.
Art	Sauter-Bailliet, Theresia	F	Tiptree Immortalized in Germany's <i>Frauen-Gedenk-Labyrinth</i> : A Personal Report. [in: Special WisCon Issue.]	44.1 2003-Spring: 45-49.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Martinson, Anna M.	F	Ecofeminist Perspectives on Technology in the Science Fiction of Marge Piercy. [in: Special WisCon Issue.]	44.1 2003-Spring: 50-68.
Art	Lee, Kylie [slash fan fiction pseudonym]	F	Confronting <i>Enterprise</i> Slash Fan Fiction. [in: Special WisCon Issue.]	44.1 2003-Spring: 69-82.
Art	Pearson, Wendy	F	Homotopia?: Or What's Behind a Prefix? [in: Special WisCon Issue.]	44.1 2003-Spring: 83-96.
Art	Yaszek, Lisa	F	Unhappy Housewife Heroines, Galactic Suburbia, and Nuclear War: A New History of Midcentury Women's Science Fiction. [in: Special WisCon Issue.]	44.1 2003-Spring: 97-111.
Art	Hopkinson, Nalo	F	Looking For Clues (WisCon GOH 2002 Speech). [in: Special WisCon Issue.]	44.1 2003-Spring: 112-117.
Art	Larbalestier, Justine	F	Interview with Emily Pohl-Weary. [in: Special WisCon Issue.]	44.1 2003-Spring: 118-124.
Rev	Hawkins, Cathy	F	Reviews of Books.	44.1 2003-Spring: 125-130.
Rev	Yaszek, Lisa	F	Reviews of Books.	44.1 2003-Spring: 130-132.
Rev	Larbalestier, Justine	F	Reviews of Books.	44.1 2003-Spring: 132-135.
CfP	[Call for Papers]	n/r	Science Fiction Research Association.	44.1 2003-Spring: 136.
Adv	[Advertisement; for:]	n/r	<i>Journal of the Fantastic in the Arts</i> .	44.1 2003-Spring: 137.
Adv	[Advertisement; for:]	n/r	<i>Femspec</i> .	44.1 2003-Spring: 138.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2003 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	44.1 2003-Spring: 139.
Note		n.g.	In Memoriam: Virginia Kidd, 1921-2003.	44.1 2003-Spring: 140.
EM-C		n/r	Contributors.	44.2 2003-Summer: 143.
EM-E	Hassler, Donald M.	M	Acknowledgements: Harlan Ellison and Masthead.	44.2 2003-Summer: 145-146.
Art	Slusser, George	M	Doing Science in the Spirit World: Order, Chaos and H. G.Wells in A Billion Years till the End of the Earth.	44.2 2003-Summer: 147-168.
Art	McGiveron, Rafeeq O.	M	"Maybe the Hardest Job of All-- Particularly When You Have No Talent for It": Heinlein's Fictional Parents, 1939-1987.	44.2 2003-Summer: 169-200.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Kapell, Matthew	M	Mack Reynolds' Avoidance of His Own Eighteenth Brumaire: A Note of Caution for Would-be Utopians.	44.2 2003-Summer: 201-208.
Art	Short, Sue	F	Measure of a Man, The?: Asimov's Bicentennial Man, Star Trek's Data, and Being Human.	44.2 2003-Summer: 209-223.
Art	Suin, Darko	M	Strugatski Remembrance.	44.2 2003-Summer: 224-227.
Ltr	Wolfe, Gary K.	M	Gary K. Wolfe Responds to L. Timmel Duchamp. [letter; in:] Letters.	44.2 2003-Summer: 228-231.
Ltr	DuChamp, L. Timmel	F	L. Timmel Duchamp Responds to Gary K. Wolfe. [letter; in:] Letters.	44.2 2003-Summer: 231-235.
Ltr	Lukin, Josh	M	[letter; in:] Letters.	44.2 2003-Summer: 235-241.
Ltr	Gomoll, Jeanne	F	[letter; in:] Letters.	44.2 2003-Summer: 241-242.
Ltr	Notkin, Debbie	F	[letter; in:] Letters.	44.2 2003-Summer: 242.
Ltr	VanderMeer, Jeff	M	[letter; in:] Letters.	44.2 2003-Summer: 242-243.
Ltr	Marks, Laurie J.	F	[letter; in:] Letters.	44.2 2003-Summer: 243-244.
Ltr	Mendlesohn, Farah	F	[letter; in:] Letters.	44.2 2003-Summer: 244-250.
Ltr	Dorsey, Candas Jane	F	[letter; in:] Letters.	44.2 2003-Summer: 250-251.
Rev	Floyd, Kevin	M	Reviews.	44.2 2003-Summer: 252-258.
Rev	Ellwood, Taylor	M	Reviews.	44.2 2003-Summer: 258-260.
Rev	Nelson, Charles W.	M	Reviews.	44.2 2003-Summer: 261-263.
Rev	Moyle, David	M	Reviews.	44.2 2003-Summer: 263-266.
Rev	Kapell, Matthew	M	Reviews.	44.2 2003-Summer: 266-268.
Rev	Moyle, David	M	Reviews.	44.2 2003-Summer: 268-273.
Adv	[Advertisement; for:]	n/r	<i>Journal of the Fantastic in the Arts.</i>	44.2 2003-Summer: 274.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	Special WisCon <i>Extrapolation</i> Issue.	44.2 2003-Summer: 275.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2003 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	44.2 2003-Summer: 276.
EM-C		n/r	Contributors.	44.3 2003-Fall: 279.
EM-E	Hassler, Donald M.	M	Acknowledgements: Warm Bodies and Cold Equations.	44.3 2003-Fall: 281-282.
Art	Ginway, M. Elizabeth	F	Vampires, Werewolves and Strong Women: Alternate Histories or the Re-writing of Race and Gender in Brazilian History.	44.3 2003-Fall: 283-295.
Art	Wymer, Thomas L.	M	Text and Pre-texts in Le Guin's "The New Atlantis".	44.3 2003-Fall: 296-303.
Art	Himes, Jonathan	M	World's End Imagery: How William Morris and C. S. Lewis Imagined the Medieval North.	44.3 2003-Fall: 304-310.
Art	Palmer, Christopher	M	Generation Starships and After: 'Never Anywhere To Go But In?'	44.3 2003-Fall: 311-330.
Art	Fry, Carrol L.	M	From Technology to Transcendence: Humanity's Evolutionary Journey in <i>2001: A Space Odyssey</i> .	44.3 2003-Fall: 331-343.
Art	Grace, Dominick M.	M	From <i>Videodrome</i> to <i>Virtual Light</i> : David Cronenberg and William Gibson.	44.3 2003-Fall: 344-355.
Art	Causo, Roberto de Sousa	M	Mythic Quality and Popular Reading in Stephen King's <i>Rose Madder</i> .	44.3 2003-Fall: 356-365.
Ltr	Lew, Michael Marc	M	[letter; in:] Letter.	44.3 2003-Fall: 366.
Rev	Hassler, Donald M.	M	Reviews.	44.3 2003-Fall: 367-369.
Rev	Toledano Redondo, Juan	M	Reviews.	44.3 2003-Fall: 369-371.
Rev	Huntington, John	M	Reviews.	44.3 2003-Fall: 372-375.
Rev	Rieder, John	M	Reviews.	44.3 2003-Fall: 375-379.
Rev	Ginway, M. Elizabeth	F	Reviews.	44.3 2003-Fall: 380-384.
CfP	[Call for Papers]	n/r	International Conference on the Fantastic in the Arts, 25th.	44.3 2003-Fall: 385.
Adv	[Advertisement; for:]	n/r	<i>FemSpec</i> .	44.3 2003-Fall: 386.
CfP	[Call for Papers]	n/r	Special WisCon <i>Extrapolation</i> Issue.	44.3 2003-Fall: 387.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
			<i>Extrapolation</i> 2003-2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	
Adv	[Publisher's House Advertisement; for:]	n/r		44.3 2003-Fall: 388.
EM-C		n/r	Contributors.	44.4 2003- Win: 391.
EM-E	Martínez, Javier A.	M	Acknowledgements: Doing What We Do.	44.4 2003- Win: 393-394.
Art	Freedman, Carl	M	Toward a Marxist Urban Sublime: Reading China Miéville's <i>King Rat</i> .	44.4 2003- Win: 395-408.
Art	Kincaid, Paul	M	On the Origins of Genre.	44.4 2003- Win: 409-419.
Art	Joshi, S. T.	M	Survey of Four Decades of Ramsey Campbell.	44.4 2003- Win: 420-424.
Art	Holliday, Valerie	F	Delany Dispossessed.	44.4 2003- Win: 425-436.
Art	Kucera, Paul Q.	M	Intimate Isolation: Sturgeon's <i>More Than Human</i> and the Power of Privacy.	44.4 2003- Win: 437-445.
Art	Clinton, Alan	M	Ocean View of the Avant-Garde, An.	44.4 2003- Win: 446-455.
PL	Barr, Marleen	F	Oy, It's Superfeminist: An Ethnically Tinged Alternative History Starring a Science Fiction Scholar.	44.4 2003- Win: 456-461.
Rev	Hassler, Donald M.	M	Reviews.	44.4 2003- Win: 462-464.
Rev	Dudley, Joseph	M	Reviews.	44.4 2003- Win: 464-466.
Rev	Lu, Jie	F	Reviews.	44.4 2003- Win: 467-368.
Rev	Levy, Michael	M	Reviews.	44.4 2003- Win: 468-475.
Indx		n/r	Index to Volume 44.	44.4 2003- Win: 476-478.
Note		n.g.	Annual Foundation Essay Prize, The. [Award opportunity]	44.4 2003- Win: 479.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	
EM-C		n/r	Contributors	45.1 2004-Spring: 3-4.
EM-E	Haran, Joan; Larbalestier, Justine	F; F	Acknowledgements: WisCon Special Issue #2. [in: WisCon sp iss]	45.1 2004-Spring: 5-7.
Art	Emshwiller, Carol	F	Guest of Honor speech, WisCon 2003. [in: WisCon sp iss]	45.1 2004-Spring: 9-14.
Art	Duchamp, L. Timmel	F	Old Pictures: The Discursive Instability of Feminist SF. [in: WisCon sp iss]	45.1 2004-Spring: 15-33.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Yaszek, Lisa	F	Women History Doesn't See, The: Recovering Midcentury Women's SF as a Literature of Social Critique. [in: WisCon sp iss]	45.1 2004-Spring: 34-51.
Art	Pilinovsky, Helen	F	Conventionalism an Utopianism in the Commodification of Rossetti's "Goblin Market". [in: WisCon sp iss]	45.1 2004-Spring: 52-64.
Art	Kornfeld, Susan	F	Suppression and Transformation of the Maternal in Contemporary Women's Science Fiction. [in: WisCon sp iss]	45.1 2004-Spring: 65-75.
Art	Maisano, Scott	M	Reading Underwater; or, Fantasies of Fluency from Shakespeare to Miéville and Emshwiller. [in: WisCon sp iss]	45.1 2004-Spring: 76-88.
Art	Haran, Joan	F	Theorizing (Hetero)Sexuality and (Fe)Male Dominance. [in: WisCon sp iss]	45.1 2004-Spring: 89-102.
Art	Kessel, John	M	Tiptree Award Speech, WisCon 2003. [in: WisCon sp iss]	45.1 2004-Spring: 103-104.
Ltr	Mendlesohn, Farah	F	[letter; in:] Letters.	45.1 2004-Spring: 105.
Ltr	Freedman, Carl	M	[response to letter; in:] Letters.	45.1 2004-Spring: 105.
Rev	Freedman, Carl	M	Reviews.	45.1 2004-Spring: 106-112.
CfP	[Call for Papers]	n/r	Special <i>Extrapolation</i> Multicultural Issue: Call for Papers.	45.1 2004-Spring: 113.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> [call "to expand the range and variety of material on film and other media"].	45.1 2004-Spring: 114.
CfP	[Call for Papers]	n/r	Blurring the Boundaries: The Trans-Real and Other Movements: The 26th International Conference on the Fantastic in the Arts.	45.1 2004-Spring: 115.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	45.1 2004-Spring: 116.
EM-C		n/r	Contributors	45.2 2004-Summer: 119.
EM-E	Hassler, Donald M.	M	Acknowledgements: Sonnets.	45.2 2004-Summer: 121-122.
Art	Abrash, Merritt	M	Knowing the Unknowable: What Some Science Fiction Almost Does.	45.2 2004-Summer: 123-129.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Wasson, Sara[-Patricia]	F	Love in the Time of Cloning: Science Fictions of Transgressive Kinship.	45.2 2004-Summer: 130-144.
Art	Murphy, Graham J.	M	Imaginable Futures: Tea from an Empty Cup and the Notion of Nation.	45.2 2004-Summer: 145-161.
Art	Ingersoll, Earl G.	M	Survival in Margaret Atwood's Novel <i>Oryx and Crake</i> .	45.2 2004-Summer: 162-175.
Art	Evans, Timothy H.	M	Tradition and Illusion: Antiquarianism, Tourism and Horror in H. P. Lovecraft.	45.2 2004-Summer: 176-195.
Art	Hassler, Donald M.	M	Genre or Chimera: Resonance in SF Origins.	45.2 2004-Summer: 196-203.
Rev	Hassler, Donald M.	M	Reviews.	45.2 2004-Summer: 204-205.
Rev	Ellwood, Taylor	M	Reviews.	45.2 2004-Summer: 205-208.
Rev	Stypczynski, Brent	M	Reviews.	45.2 2004-Summer: 209-210.
Rev	Murphy, Graham J.	M	Reviews.	45.2 2004-Summer: 210-214.
CfP	[Call for Papers]	n/r	Special <i>Extrapolation</i> Multicultural Issue: Call for Papers.	45.2 2004-Summer: 215.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> [call "to expand the range and variety of material on film and other media"].	45.2 2004-Summer: 216.
CfP	[Call for Papers]	n/r	Blurring the Boundaries: The Trans-Real and Other Movements: The 26th International Conference on the Fantastic in the Arts.	45.2 2004-Summer: 217.
CfP	[Call for Papers]	n/r	Call for Papers (Subject: The Star Wars film franchise and associate cultural phenomena; bk colln ed by Matthew Kapell.)	45.2 2004-Summer: 218.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	45.2 2004-Summer: 220.
EM-C		n/r	Contributors	45.3 2004-Fall: 223-224.
EM-E	Hassler, Donald M.	M	Acknowledgements: We Met in Cleveland.	45.3 2004-Fall: 225-226.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Morse, Donald E.	M	Hoaxing Hemingway: Ernest Hemingway as Character and Presence in Joe Haldeman's <i>The Hemingway Hoax</i> (1990).	45.3 2004-Fall: 227-236.
Art	Sanders, Joe	M	Of Storytellers and Stories in Gaiman and Vess's "A Midsummer Night's Dream".	45.3 2004-Fall: 237-248.
Art	Morrissey, Thomas	M	Growing Nowhere: Pinocchio Subverted in Spielberg's <i>A.I. Artificial Intelligence</i> .	45.3 2004-Fall: 249-262.
Art	Oglesbee, Frank W.	M	Kira Nerys: A Good Woman Fighting Well.	45.3 2004-Fall: 263-275.
Art	Calvin, Ritch	M	Real <i>eXistenZ</i> transCendz the Ireal, The.	45.3 2004-Fall: 276-293.
Art	Telotte, J. P.	M	Making Tele-Contact: 3-D Film and <i>The Creature from the Black Lagoon</i> .	45.3 2004-Fall: 294-304.
Art	Blanch, Robert J.	M	Medieval Fictional Odysseys: Better Time Travel through Hallucinogens, Nets, and Quantum Foam.	45.3 2004-Fall: 305-317.
Rev	Harris-Fain, Darren	M	Reviews.	45.3 2004-Fall: 318-320.
Rev	Kapell, Matthew	M	Reviews.	45.3 2004-Fall: 320-322.
CfP	[Call for Papers]	n/r	Special <i>Extrapolation</i> Multicultural Issue: Call for Papers.	45.3 2004-Fall: 323.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> [call "to expand the range and variety of material on film and other media"].	45.3 2004-Fall: 324.
CfP	[Call for Papers]	n/r	Blurring the Boundaries: The Trans-Real and Other Movements: The 26th International Conference on the Fantastic in the Arts.	45.3 2004-Fall: 325.
CfP	[Call for Papers]	n/r	Afrofuturism and Black SF: a call for papers for a special issue of <i>Science Fiction Studies</i> .	45.3 2004-Fall: 326.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	45.3 2004-Fall: 327.
EM-C		n/r	Contributors	45.4 2004-Winter: 331-332.
EM-E	Hassler, Donald M.	M	Acknowledgements: Storytelling.	45.4 2004-Winter: 333-334.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Mead, David	M	Peter Hamilton and Philip Jacques Bartel: Bookends of Amazing SF.	45.4 2004-Winter: 335-347.
Art	Christopher, Joe R.	M	Order of Martha of Bethany, The.	45.4 2004-Winter: 348-369.
Art	Magome, Kiyoko	F	Player Piano and Musico-Cybernetic Science Fiction between the 1950s and the 1980s, The: Kurt Vonnegut and Philip K. Dick.	45.4 2004-Winter: 370-387.
Art	McGiveron, Rafeeq O.	M	He "Just Plain Liked Guns": Robert A. Heinlein and the "Older Orthodoxy" of an Armed Citizenry.	45.4 2004-Winter: 388-407.
Art	Connor, George E.	M	Spelunking with Ray Bradbury: The Allegory of the Cave in <i>Fahrenheit 451</i> .	45.4 2004-Winter: 408-418.
Art	Kaplan, Carter	M	Fractal Fantasies of Transformation: William Blake, Michael Moorcock, and the Utilitites of Mythographic Shamanism.	45.4 2004-Winter: 419-436.
Art	Lavender, Isiah, III	M	Technicity: AI and Cyborg Ethnicity in <i>The Matrix</i> .	45.4 2004-Winter: 437-458.
Rev	Levy, Michael	M	Reviews.	45.4 2004-Winter: 459-462.
Rev	Ratiu, Iuliu	M	Reviews.	45.4 2004-Winter: 462-463.
Rev	Hassler, Donald M.	M	Reviews.	45.4 2004-Winter: 464.
Indx		n/r	Index to Volume 45.	45.4 2004-Winter: 465.
Note		n.g.	News Flash! Action Needed!	45.4 2004-Winter: 467.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> [call "to expand the range and variety of material on film and other media"].	45.4 2004-Winter: 468.
CfP	[Call for Papers]	n/r	Blurring the Boundaries: The Trans-Real and Other Movements: The 26th International Conference on the Fantastic in the Arts.	45.4 2004-Winter: 469.
CfP	[Call for Papers]	n/r	Afrofuturism and Black SF: a call for papers for a special issue of <i>Science Fiction Studies</i> .	45.4 2004-Winter: 470.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2004 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	45.4 2004-Winter: 471.
EM-C		n/r	Contributors.	46.1 2005-Spring: 3-4.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Pilinovsky, Helen; Haran, Joan	F; F	Acknowledgements: Feminism Now More Than Ever. [in: Special Wiscon Issue.]	46.1 2005-Spring: 5-9.
Art	Arnason, Eleanor	F	Writing Science Fiction During The Third World War. [in: Special Wiscon Issue.]	46.1 2005-Spring: 10-16.
Art	McKillip, Patricia	F	Motive, Magic and Mundanity: Why <i>Do</i> We Write? [in: Special Wiscon Issue.]	46.1 2005-Spring: 17-22.
Art	Mains, Christine	F	Having It All: The Female Hero's Quest for Love and Power in Patricia McKillip's The <i>Riddle-Master</i> Trilogy. [in: Special Wiscon Issue.]	46.1 2005-Spring: 23-35.
Art	Pilinovsky, Helen	F	Mother of All Witches, The: Baba Yaga and Brume in Particia McKillip's <i>In the Forests of Serre</i> . [in: Special Wiscon Issue.]	46.1 2005-Spring: 36-49.
Art	Woledge, Elizabeth	F	From Slash to the Mainstream: Female Writers and Gender Blending Men. [in: Special Wiscon Issue.]	46.1 2005-Spring: 50-65.
Art	DeRose, Maria	F	Redefining Women's Power Through Feminist Science Fiction. [in: Special Wiscon Issue.]	46.1 2005-Spring: 66-89.
Art	Grace, Dominick	M	Frankenstein, Motherhood, and Phyllis Gotlieb's <i>O Master Caliban!</i> [in: Special Wiscon Issue.]	46.1 2005-Spring: 90-102.
Art	Walker, Alison Tara	F	Destabilizing Order, Challenging History: Octavia Butler, Deleuze and Guattari, and Affective Beginnings. [in: Special Wiscon Issue.]	46.1 2005-Spring: 103-119.
Art	Wulf, Elizabeth	F	Becoming Heroic: Alternative Female Heroes in Suzy McKee Charnas' <i>The Conqueror's Child</i> . [in: Special Wiscon Issue.]	46.1 2005-Spring: 120-132.
Rev	Lodi-Ribeiro, Gerson	M	Reviews.	46.1 2005-Spring: 133-136.
Rev	Harris, William	M	Reviews.	46.1 2005-Spring: 136-141.
Rev	Kapell, Matthew	M	Reviews.	46.1 2005-Spring: 142-144.
Rev	Vint, Sherryl	F	Reviews.	46.1 2005-Spring: 144-149.
CfP	[Call for Papers]	n/r	International Conference on the Fantastic in the Arts, 27th, Wyndham--Ft. Lauderdale Airport Hotel, Dania, FL, 2005-03-15/19.	46.1 2005-Spring: 151.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Note		n.g.	News Flash! Action Needed!	46.1 2005-Spring: 152.
CfP	[Call for Papers]	n/r	Afrofuturism and Black SF: a call for papers for a special issue of <i>Science Fiction Studies</i> .	46.1 2005-Spring: 153.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	46.1 2005-Spring: 154.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2005 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	46.1 2005-Spring: 155.
EM-C		n/r	Contributors.	46.2 2005-Summer: 159-160.
EM-E	Martínez, Javier A.	M	Acknowledgements: New Ideas on New and Old Faces.	46.2 2005-Summer: 161-162.
Art	Ketterer, David	M	John Wyndham and the Sins of His Father: Damaging Disclosures in Court.	46.2 2005-Summer: 163-188.
Art	Palumbo, Donald	M	Monomyth in Gene Wolfe's <i>The Book of the New Sun</i> .	46.2 2005-Summer: 189-234.
Art	Freedman, Carl	M	To the Perdido Street Station: The Representation of Revolution in China Miéville's <i>Iron Council</i> .	46.2 2005-Summer: 235-248.
Art	Petrovic, Paul	M	Between Visibility and Invisibility: Baudrillard, Jean-Luc Marion, and Lance Olsen's <i>Girl Imagined By Chance</i> .	46.2 2005-Summer: 249-258.
Art	Bengels, Barbara	F	Using Science Fiction to Teach Point of View.	46.2 2005-Summer: 259-267.
Rev	Hassler, Donald M.	M	Reviews.	46.2 2005-Summer: 268-270.
Ltr	Barron, Neil	M	Neil Barron replies to Donald M. Hassler.	46.2 2005-Summer: 270.
Rev	Ratiu, Iuliu	M	Reviews.	46.2 2005-Summer: 270-273.
Rev	Moyle, David	M	Reviews.	46.2 2005-Summer: 274-280.
Rev	Moyle, David	M	Reviews.	46.2 2005-Summer: 280-283.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	International Conference on the Fantastic in the Arts, 27th, Wyndham--Ft. Lauderdale Airport Hotel, Dania, FL, 2005-03-15/19.	46.2 2005-Summer: 284.
CfP	[Call for Papers]	n/r	Special Le Guin issue of <i>Extrapolation</i> .	46.2 2005-Summer: 285.
CfP	[Call for Papers]	n/r	Afrofuturism and Black SF: a call for papers for a special issue of <i>Science Fiction Studies</i> .	46.2 2005-Summer: 286.
Adv	[Advertisement; for:]	n/r	University of South Carolina Press, The.	46.2 2005-Summer: 287.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2005 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	46.2 2005-Summer: 288.
EM-C		n/r	Contributors.	46.3 2005-Fall: 293-294.
EM-E	Lewy, Michael	M	Acknowledgements: Multiculturalism and Race in Science Fiction. [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 295-206.
Art	Reid, Michelle	F	Crossing the Boundaries of the "Burn": Canadian Multiculturalism and Caribbean Hybridity in Nalo Hopkinson's <i>Brown Girl in the Ring</i> . [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 297-314.
Art	Wood, Sarah	F	Serving the Spirits: Emergent Identities in Nalo Hopkinson's <i>Brown Girl in the Ring</i> . [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 315-326.
Art	Attebery, Brian	M	Patricia Wrightson and Aboriginal Myth. [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 327-337.
Art	Mains, Christine	F	Old World, New World, Otherworld: Celtic and Native American Influences in Charles de Lint's <i>Moonheart</i> and <i>Forests of the Heart</i> . [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 338-350.
Art	Escoda Agustí, Clara	F	Relationship Between Community and Subjectivity in Octavia E. Butler's <i>Parable of the Sower</i> , The. [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 351-359.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Lendrum, Rob	M	Super Black Macho, One Baaad Mutha, The: Black Superhero Masculinity in 1970s Mainstream Comic Books. [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 360-372.
Art	Rieder, John	M	Science Fiction, Colonialism, and the Plot of Invasion. [in: Multiculturalism and Race in Science Fiction sp iss.]	46.3 2005-Fall: 373-394.
Rev	Holliday, Valerie	F	Reviews.	46.3 2005-Fall: 395-399.
Rev	Decker, Mark	M	Reviews.	46.3 2005-Fall: 400-403.
Rev	Harris-Fain, Darren	M	Reviews.	46.3 2005-Fall: 403-405.
Rev	Vint, Sherryl	F	Reviews.	46.3 2005-Fall: 405-409.
CfP	[Call for Papers]	n/r	International Conference on the Fantastic in the Arts, 27th, Wyndham--Ft. Lauderdale Airport Hotel, Dania, FL, 2005-03-15/19.	46.3 2005-Fall: 410.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press	46.3 2005-Fall: 411.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory.</i>	46.3 2005-Fall: 412.
Adv	[Advertisement; for:]	n/r	University of South Carolina Press, The.	46.3 2005-Fall: 413.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2005 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	46.3 2005-Fall: 414.
EM-C		n/r	Contributors.	46.4 2005-Winter: 417-418.
EM-E	Hassler, Donald M.; Martínez, Javier A.	M; M	Acknowledgements: Publication and Editorial Changes.	46.4 2005-Winter: 419-420.
Art	Vint, Sherryl	F	Who Goes There?: "Real" Men Only.	46.4 2005-Winter: 421-438.
Art	Baker, Brian	M	Constructing the Normative: Male Subjects and Others in the Dystopias of Frederik Pohl and Cyril Kornbluth.	46.4 2005-Winter: 439-452.
Art	Stypczynski, Brent	M	No Roads Lead to Rome: Alternate History and Secondary Worlds.	46.4 2005-Winter: 453-468.
Art	Knickerbocker, Dale	M	Apocalypse, Apotheosis, and Transcendence in Rosa Montero's <i>Temblor</i> .	46.4 2005-Winter: 469-487.
Art	Shaw, Bruce	M	Clifford Simak's <i>City</i> (1952): The Dogs' Critique (and Others').	46.4 2005-Winter: 488-499.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Ravenwood, Emily	F	Rightwise Born Kings: Feudalism and Republicanism in Science Fiction.	46.4 2005-Winter: 500-516.
Art	Tuerk, Richard	M	Upper-Middle-Class Madness: H. G. Wells' Time Traveller Journeys to Wonderland.	46.4 2005-Winter: 517-526.
Rev	Bould, Mark	M	Reviews.	46.4 2005-Winter: 527-541.
Rev	Hassler, Donald M.	M	Reviews.	46.4 2005-Winter: 541-542.
Rev	Ketterer, David	M	Reviews.	46.4 2005-Winter: 543-545.
Indx		n/r	Index to Volume 46.	46.4 2005-Winter: 546-548.
CfP	[Call for Papers]	n/r	Cyberpunk. [<i>Beyond the Reality Studio: Cyberpunk and the New Millennium</i> . Ed. Graham J. Murphy; Sheryl Vint.]	46.4 2005-Winter: 549.
CfP	[Call for Papers]	n/r	International Conference on the Fantastic in the Arts, 27th, Wyndham--Ft. Lauderdale Airport Hotel, Dania, FL, 2005-03-15/19.	46.4 2005-Winter: 550.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press	46.4 2005-Winter: 550.
CfP	[Call for Papers]	n/r	Call for Papers: The Winter 2007 issue of <i>Biography</i> .	46.4 2005-Winter: 551.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	46.4 2005-Winter: 552.
Adv	[Advertisement; for:]	n/r	University of South Carolina Press, The.	46.4 2005-Winter: 553.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2006 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	46.4 2005-Winter: 554.
EM-C		n/r	Contributors	47.1 2006-Spring: 3-4.
EM-E	Hassler, Donald M.	M	Acknowledgements: Publication and Editorial Changes.	47.1 2006-Spring: 5-6.
Art	Westfahl, Gary	M	Science Fiction and the Playing Fields of Eaton.	47.1 2006-Spring: 7-15.
Art	Freedman, Carl	M	About Delany Writing: An Anatomical Meditation.	47.1 2006-Spring: 16-29.
Art	Suin, Darko	M	To Remember Stanislaw Lem.	47.1 2006-Spring: 30-34.
Art	Anderson, Crystal S.	F	"Girl Isn't White, The": New Racial Dimensions in Octavia Butler's <i>Survivor</i> .	47.1 2006-Spring: 35-50.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Wymer, Thomas L.	M	Feminism, Technology, and Art in C. L. Moore's "No Woman Born".	47.1 2006-Spring: 51-65.
Art	Sullivan, C. W., III	M	Robert A. Heinlein: Reinventing Series SF in the 1950s.	47.1 2006-Spring: 66-76.
Art	Petersen, Vibeke Rützou	F	Freud in the Future: Work in German Science Fiction.	47.1 2006-Spring: 77-94.
Art	Palmer, Christopher	M	Big Dumb Objects in Science Fiction: Sublimity, Banality, and Modernity.	47.1 2006-Spring: 95-111.
Art	Johnson-Woods, Toni	F	Wonder Down Under: Australian Sci-Fi 1948-1952.	47.1 2006-Spring: 112-122.
Art	Geraghty, Lincoln	M	Love's Fantastic Voyage: Crossing Between Science Fiction and Romantic Comedy in <i>Innerspace</i> .	47.1 2006-Spring: 123-133.
Art	McMillan, Gloria	F	Invisible Friends, The: The Lost Worlds of Henry James and H. G. Wells.	47.1 2006-Spring: 134-147.
Art	Hassler, Donald M.	M	Platinum Moment for Frederik Pohl, A: From Golden Pulp to Steely.	47.1 2006-Spring: 148-152.
Ltr	James, Edward; Mendlesohn, Farah; Sleight, Graham	M; F; M	[letter; in:] Letter.	47.1 2006-Spring: 153.
Rev	McCarthy, Tim	M	Reviews.	47.1 2006-Spring: 154-160.
Rev	Moyle, David	M	Reviews.	47.1 2006-Spring: 160-164.
Rev	Evans, Tim	M	Reviews.	47.1 2006-Spring: 164-166.
Rev	Morse, Donald E.	M	Reviews.	47.1 2006-Spring: 166-168.
Rev	Hassler, Donald M.	M	Reviews.	47.1 2006-Spring: 168-170.
Adv	[Advertisement; for:]	n/r	SFRA [Science Fiction Research Association]	47.1 2006-Spring: 171.
CfP	[Call for Papers]	n/r	<i>Science Fiction Studies</i> .	47.1 2006-Spring: 172.
CfP	[Call for Papers]	n/r	Cyberpunk. [<i>Beyond the Reality Studio: Cyberpunk and the New Millennium</i> . Ed. Graham J. Murphy; SherryI Vint.]	47.1 2006-Spring: 173.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press	47.1 2006-Spring: 174.
CfP	[Call for Papers]	n/r	Call for Papers: The Winter 2007 issue of <i>Biography</i> .	47.1 2006-Spring: 175.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	47.1 2006-Spring: 176.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2006 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	47.1 2006-Spring: 177.
Adv	[Advertisement; for:]	n/r	University of South Carolina Press, The	47.1 2006-Spring: 179.
EM-C		n/r	Contributors.	47.2 2006-Summer: 183-184.
EM-E	Martínez, Javier A.	M	Acknowledgements,	47.2 2006-Summer: 185-186.
Art	Wolf-Meyer, Matthew Joseph	M	Batman and Robin in the Nude, Or Class and Its Exceptions.	47.2 2006-Summer: 187-206.
Art	Dietrich, Bryan D.	M	Queen of Pentacles: Archtyping Wonder Woman.	47.2 2006-Summer: 207-236.
Art	Wendland, Albert	M	Universe in a Frame, The: The Domestic Sublime in <i>Adam Strange</i> and Fifties SF.	47.2 2006-Summer: 237-248.
Art	Erisman, Fred	M	<i>Stagecoach</i> in Space: The Legacy of <i>Firefly</i> .	47.2 2006-Summer: 249-258.
Art	Wilson, D. Harlan	M	Terminal Constructedness and the Technology of the Self in Cameron Crowe's <i>Vanilla Sky</i> .	47.2 2006-Summer: 259-279.
Art	Holliday, Valerie	F	Masculinity in the Novels of Philip K. Dick.	47.2 2006-Summer: 280-295.
Art	Latham, Rob	M	<i>New Worlds</i> and the New Wave in Fandom: Fan Culture and the Reshaping of Science Fiction in the Sixties.	47.2 2006-Summer: 296-315.
Rev	Vint, Sherryl	F	Reviews.	47.2 2006-Summer: 316-321.
Rev	Harris, William H.	M	Reviews.	47.2 2006-Summer: 321-324.
Rev	Kapell, Matthew Wilhelm	M	Reviews.	47.2 2006-Summer: 324-327.
Rev	Langan, John	M	Reviews.	47.2 2006-Summer: 327-332.
Rev	Bould, Mark	M	Reviews.	47.2 2006-Summer: 332-334.
Rev	Yaszek, Lisa	F	Reviews.	47.2 2006-Summer: 334-338.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Adv	[Advertisement; for:]	n/r	SFRA [Science Fiction Research Association]	47.2 2006-Summer: 339.
CfP	[Call for Papers]	n/r	<i>Science Fiction Studies</i> .	47.2 2006-Summer: 340.
CfP	[Call for Papers]	n/r	Call for Papers: The Winter 2007 issue of <i>Biography</i> .	47.2 2006-Summer: 341.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	47.2 2006-Summer: 342.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2006 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	47.2 2006-Summer: 343.
EM-C		n/r	Contributors.	47.3 2006-Winter: 347-348.
EM-E	Lew, Michael; Lindow, Sandra J.	M; F	Moving Towards Marriage: A Polygamous, Polyandrous Selection of Le Guin Criticism. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 349-350.
Art	Erich, Richard D.	M	Le Guin and God: Quarreling with the One, Critiquing Pure Reason. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 351-379.
Art	Lothian, Alexis	F	Grinding Axes and Balancing Oppositions: The Transformation of Feminism in Ursula K. Le Guin's Science Fiction.. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 380-395.
Art	Sawyer, Andy	M	Ursula Le Guin and the Pastoral Mode. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 396-416.
Art	Rochelle, Warren G.	M	Emersonian Choice, The: Connections between Dragons and Humans in Le Guin's <i>Earthsea</i> Cycle. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 417-426.
Art	Cadden, Mike	M	Taking Different Roads to the City: The Development of Ursula K. Le Guin's Young Adult Novels. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 427-444.
Art	Lindow, Sandra J.	F	Wild Gifts: Anger Management and Moral Development in the Fiction of Ursula K. Le Guin and Maurice Sendak. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 445-456.
Art	Cheyne, Ria	F	Ursula K. Le Guin and Translation. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 457-470.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Fritzsche, Sonja	F	Publishing Ursula K. Le Guin in East Germany. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 471-487.
Art	Suin, Darko	M	On U. K. Le Guin's "Second Earthsea Trilogy" and Its Cognitions: A Commentary. [in sp iss on Ursula K. Le Guin.]	47.3 2006-Winter: 488-504.
Rev	Bould, Mark	M	Reviews.	47.3 2006-Winter: 505-509.
Rev	Vint, Sherryl	F	Reviews.	47.3 2006-Winter: 509-513.
Indx		n/r	Index to Volume 47.	47.3 2006-Winter: 514-516.
Adv		n/r	SFRA [Science Fiction Research Association]	47.3 2006-Winter: 517.
Adv		n/r	Penguin Group	47.3 2006-Winter: 518.
CfP	[Call for Papers]	n/r	Call for Papers: The Winter 2007 issue of <i>Biography</i> .	47.3 2006-Winter: 519.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	47.3 2006-Winter: 520.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2007 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	47.3 2006-Winter: 521.
EM-C		n/r	Contributors.	48.1 2007-Spring: 3-5.
EM-E	Hassler, Donald M.	M	Acknowledgements: If Winter Comes.	48.1 2007-Spring: 7-8.
Art	Suin, Darko	M	Of Starship Troopers and Refuseniks: War and Militarism in U.S. Science Fiction, Part 2.	48.1 2007-Spring: 9-34.
Art	Evans, Arthur B.	M	Jules Verne's America.	48.1 2007-Spring: 35-43.
Art	Dorman, Susan	F	Cosmology of Error, The: Mark Twain, C. S. Lewis, and Johannes Kepler in Literary Dialogue.	48.1 2007-Spring: 44-55.
Art	Janicker, Rebecca	F	New England Narratives: Space and Place in the Fiction of H. P. Lovecraft.	48.1 2007-Spring: 56-72.
Art	Sandner, David	M	Supernatural Modernity in Walter Scott's <i>Redgauntlet</i> and James Hogg's <i>Private Memoirs and Confessions of a Justified Sinner</i> .	48.1 2007-Spring: 73-83.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Rochelle, Warren G.	M	Choosing to Be Human: American Romantic / Pragmatic Rhetoric in Ursula K. Le Guin's Teaching Novel, <i>Gifts</i> .	48.1 2007-Spring: 84-95.
Art	Brault, Rob	M	Deep Space and Deep Ecology: Biocentric Justifications for Violence and Population Control in the Science Fiction of L. E. Modesitt, Jr.	48.1 2007-Spring: 96-107.
Art	Geraghty, Lincoln	M	"Realities . . . Blending as one!": Film Texts and Intertexts in the <i>Star Trek / X-Men</i> Crossover Comics.	48.1 2007-Spring: 108-119.
Art	Murphy, Graham J.	M	Somatic Networks and Molecular Hacking in <i>Eastern Standard Tribe</i> .	48.1 2007-Spring: 120-136.
Art	Horstkotte, Martin	M	Unreliable Narration and the Fantastic in Kingsley Amis's <i>The Green Man</i> and Nigel Williams's <i>Witchcraft</i> .	48.1 2007-Spring: 137-151.
Art	Walker, Daniel	M	Going After Scientism Through Science Fiction.	48.1 2007-Spring: 152-167.
Art	Barr, Marleen S.	F	Being Marleen S. Barr / Writing <i>Oy Pioneer!</i> : How to Succeed in Creating Jewish Humorous Feminist Science Fiction Without Really Trying to Be Influenced by Literary Tradition, Tradition.	48.1 2007-Spring: 168-189.
Rev	Holliday, Valerie	F	Reviews.	48.1 2007-Spring: 190-195.
Rev	Rosen, Elizabeth	F	Reviews.	48.1 2007-Spring: 195-198.
Rev	Fahey-Hunt, Catherine W.	F	Reviews.	48.1 2007-Spring: 198-205.
Rev	Hassler, Donald M.	M	Reviews.	48.1 2007-Spring: 205-207.
CfP	[Call for Papers]	n/r	Call for Papers: Special <i>Extrapolation</i> Issue on Geoff Ryman.	48.1 2007-Spring: 208.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	48.1 2007-Spring: 209.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	48.1 2007-Spring: 210.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2007 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	48.1 2007-Spring: 211.
EM-C		n/r	Contributors.	48.2 2007-Summer: 215-216.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Hassler, Donald M.	M	Acknowledgements: A Microcosm of Change.	48.2 2007-Summer: 217-218.
Art	Dillon, Grace L.	F	<i>Miindiwag</i> and Indigenous Diaspora: Eden Robinson's and Celu Amberstone's Forays into Postcolonial Science Fiction and Fantasy.	48.2 2007-Summer: 219-243.
Art	Thurs, Daniel Patrick	M	Building the Nano-World of Tomorrow: Science Fiction, the Boundaries of Nanotechnology, and Managing Depictions of the Future.	48.2 2007-Summer: 244-266.
Art	DiTommaso, Lorenzo	M	Articulation of Imperial Decadence and Decline in Epic Science Fiction, The.	48.2 2007-Summer: 267-291.
Art	Quade, Penelope	F	Taming the Beast in the Name of the Father: <i>The Island of Dr. Moreau</i> and Wells's Critique of Society's Religious Molding.	48.2 2007-Summer: 292-301.
Art	Hickman, John	M	Implacable Justice: Arguing Politics and Theories of Law via the Encounter with Powerful Alien Species.	48.2 2007-Summer: 302-314.
Art	Horan, Thomas	M	Revolutions from the Waist Downwards: Desire as Rebellion in Yevgeny Zamyatin's <i>We</i> , George Orwell's <i>1984</i> , and Aldous Huxley's <i>Brave New World</i> .	48.2 2007-Summer: 314-339.
Art	Calvin, Ritch	M	French Dick, The: Villiers de l'Isle-Adam, Philip K. Dick, and the Android.	48.2 2007-Summer: 340-363.
Art	Kucera, Paul	M	"To Love That Well Which Thou Must Leave Ere Long": Creativity and the Journey of Maturity in Kate Wilhelm's <i>Where Late the Sweet Birds Sang</i> .	48.2 2007-Summer: 364-383.
Art	Clemente, Bill	M	James Tiptree's <i>Up the Walls of the World</i> : Motes of Hope in Her Universe of Despair.	48.2 2007-Summer: 384-397.
Art	Blanch, Robert J.	M	From the Black Death to AIDS: Cinematic Visions and Community in <i>Book of Days</i> .	48.2 2007-Summer: 398-407.
Art	Buchanan, Carl J.	M	Monkey's Paw, The, and Freud's Three Caskets Theme.	48.2 2007-Summer: 408-416.
Rev	Hassler, Donald M.	M	Reviews.	48.2 2007-Summer: 417-418.
Rev	Geddes, Benjamin	M	Reviews.	48.2 2007-Summer: 418-420.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Wilson, D. Harlan	M	Reviews.	48.2 2007-Summer: 420-422.
Rev	Bould, Mark	M	Reviews.	48.2 2007-Summer: 422-426.
Rev	Vint, Sherryl	F	Reviews.	48.2 2007-Summer: 426-429.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	48.2 2007-Summer: 430.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	48.2 2007-Summer: 431.
CfP	[Call for Papers]	n/r	Call for Papers: Special <i>Extrapolation</i> Issue on Geoff Ryman.	48.2 2007-Summer: 432.
CfP	[Call for Papers]	n/r	<i>Historical Materialism: Research in Critical Marxist Theory</i> .	48.2 2007-Summer: 433.
CfP	[Call for Papers]	n/r	29th International Conference on the Fantastic in the Arts.	48.2 2007-Summer: 434.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2007 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	48.2 2007-Summer: 435.
EM-C		n/r	Contributors.	48.3 2007-Winter: 439-440.
EM-E	Martínez, Javier A.	M	Editorial Comments.	48.3 2007-Winter: 441.
EM-E	Butler, Andrew M.	M	Editorial Comments.	48.3 2007-Winter: 442.
EM-E	Lewy, Michael	M	Editorial Comments.	48.3 2007-Winter: 442-443.
EM-E	Vint, Sherryl	F	Editorial Comments.	48.3 2007-Winter: 443-444.
EM-E	Butler, Andrew M.	M	New Myths: Introduction to the Special Section, [in special section: New Myths]	48.3 2007-Winter: 445-449.
Art	Hubble, Nick	M	Virtual Histories and Counterfactual Myths: Christopher Priest's The Separation. [in special section: New Myths]	48.3 2007-Winter: 450-461.
Art	Kincaid, Paul	M	Islomania? Insularity: The Myth of the Island in British Science Fiction. [in special section: New Myths]	48.3 2007-Winter: 462-471.
Art	Wells, Elizabeth	F	Earth Abides: A Return to Origins. [in special section: New Myths]	48.3 2007-Winter: 472-481.
Art	Claydon, E. Anna	F	Projected Man, The: The B-Movie and the Monstrous-Masculine. [in special section: New Myths]	48.3 2007-Winter: 482-492.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Ruddell, Caroline	F	Virility and Vulnerability, Splitting and Masculinity in <i>Fight Club: A Tale of Contemporary Male Identity Issues</i> . [in special section: <i>New Myths</i>]	48.3 2007-Winter: 493-503.
Art	West, Chris [Christopher Lawrence]	M	Yesterday's Myths Today and Tomorrow: Problems of Representation and Gay (In)Visibility. [in special section: <i>New Myths</i>]	48.3 2007-Winter: 504-519.
Art	Thuerwaechter, Sabine	F	National Holiday, National Epic, National Destruction: Second Order Semiology in Independence Day and Beyond. [in special section: <i>New Myths</i>]	48.3 2007-Winter: 520-542.
Art	Singh, Greg	M	CGI: A Future History of Assimilation in Mainstream Science Fiction Film. [in special section: <i>New Myths</i>]	48.3 2007-Winter: 543-557.
Art	Duggan, Robert	M	Iain M. Banks, Postmodernism and the Gulf War.	48.3 2007-Winter: 558-577.
Art	White, William J.	M	Structuralist Alchemy in Kim Stanley Robinson's <i>Red Mars</i> .	48.3 2007-Winter: 578-602.
Art	Szeman, Imre; Whiteman, Maria	M; F	Wildlife, Natural and Artificial: An Interview with Peter Watts.	48.3 2007-Winter: 603-619.
Ltr	Traviss, Karen	F	Karen Traviss Responds to John Hickman. [letter; in:] <i>Letters</i> .	48.3 2007-Winter: 620.
Ltr	Hickman, John	M	Hickman Responds to Traviss. [letter; in:] <i>Letters</i> .	48.3 2007-Winter: 620-622.
Rev	Taves, Brian	M	Gold in Verne's Meteor Finally Mined, The. [in:] <i>Reviews</i> .	48.3 2007-Winter: 623-628.
Rev	Felix, Justin	M	Welcome Addition to a Science Fiction Library, A. [in:] <i>Reviews</i> .	48.3 2007-Winter: 628-630.
Rev	Hassler, Donald M.	M	Genre Mix and SFRA. [in:] <i>Reviews</i> .	48.3 2007-Winter: 630-632.
Indx		n/r	Index for Volume 48.	48.3 2007-Winter: 633-635.
CfP	[Call for Papers]	n/r	Call for Papers: Special Issue of <i>Science Fiction Studies</i> on Gender and Sexuality.	48.3 2007-Winter: 636.
CfP	[Call for Papers]	n/r	Relevant Across Cultures: Visions of Connectedness and World Citizenship in Modern Fantasy for Young Readers, University of WrocBaw, 28-31 May, 2008.	48.3 2007-Winter: 637-638.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television.</i>	48.3 2007-Winter: 639.
CfP	[Call for Papers]	n/r	Call for Papers: Special <i>Extrapolation</i> Issue on Geoff Ryman.	48.3 2007-Winter: 640.
Adv	[Advertisement; for:]	n/r	Penguin Group: New in Speculative Fiction.	48.3 2007-Winter: 641.
CfP	[Call for Papers]	n/r	<i>Extrapolation.</i>	48.3 2007-Winter: 642.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2008 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	48.3 2007-Winter: 643.
EM-C		n/r	Contributors.	49.1 2008-Spring: 3-4.
Art	Abate, Michelle Ann	F	Zona Gale's <i>Friendship Village</i> : Expanding the Scope of Feminist Fabulation and Broadening the Boundaries of Speculative Fiction.	49.1 2008-Spring: 5-23.
Art	Ackerman, Erin M. Pryor	F	Becoming and Belonging: The Productivity of Pleasures and Desires in Octavia Butler's <i>Xenogenesis</i> Trilogy.	49.1 2008-Spring: 24-43.
Art	Bruce, Karen	F	Woman-Made Language, A: Suzette Haden Elgin's <i>Láadan</i> and the <i>Native Tongue</i> Trilogy as Thought Experiment in Feminist Linguistics.	49.1 2008-Spring: 44-69.
Art	Dillon, Grace L.	F	Totemic Human-Animal Relationships in Recent Sf.	49.1 2008-Spring: 70-96.
Art	Jorgensen, Darren	M	Disorientations of A. E. van Vogt, The.	49.1 2008-Spring: 97-108.
Art	Brown, Joseph F.	M	Heinlein and the Cold War: Epistemology and Politics in <i>The Puppet Masters</i> and <i>Double Star</i> .	49.1 2008-Spring: 109-121.
Art	Texter, Douglas W.	M	Institutional Crisis: State and Scholar in Hermann Hesse's <i>The Glass Bead Game</i> and Walter Miller's <i>A Canticle for Leibowitz</i> . [main title is missing from ToC]	49.1 2008-Spring: 122-141.
Art	Klapcsik, Sandor	M	<i>Solaris</i> as Metacommentary: Meta-Science Fiction and Meta-Science-Fiction.	49.1 2008-Spring: 142-158.
Rev	Freedman, Carl	M	Science (Fiction) of Life, The. [in:] Reviews.	49.1 2008-Spring: 159-163.
Rev	Telotte, J. P.	M	Designing Sounds for Science Fiction. [in:] Reviews.	49.1 2008-Spring: 163-167.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Wilson, D. Harlan	M	Fix(at)ing Technicity. [in:] Reviews.	49.1 2008-Spring: 167-169.
CfP	[Call for Papers]	n/r	<i>FemSpec</i> .	49.1 2008-Spring: 170.
Adv	[Advertisement; for:]	n/r	SFF Masterclass 2009.	49.1 2008-Spring: 171.
CfP	[Call for Papers]	n/r	Special Issue of <i>Science Fiction Studies</i> on Gender and Sexuality.	49.1 2008-Spring: 172.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	49.1 2008-Spring: 173.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	49.1 2008-Spring: 174.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	49.1 2008-Spring: 175.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2008 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	49.1 2008-Spring: 176.
EM-C		n/r	Contributors.	49.2 2008-Summer: 179-180.
EM-E	Knabe, Susan; Pearson, Wendy Gay, eds.	F; F	Introduction: Mundane Science Fiction, Harm and Healing the World. [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 181-194.
Art	Goto, Hiromi	F	Email Conversation with Geoff Ryman, An. [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 195-210.
Art	Chiang, Ted	M	Is <i>Air</i> Mundane? [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 211-213.
Art	Knabe, Susan	F	History and AIDS in <i>Was</i> and <i>Angels in America</i> . [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 214-239.
Art	Easterbrook, Neil	M	Giving an Account of Oneself: Ethics, Alterity, <i>Air</i> . [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 240-260.
Art	Williams, Genevieve	F	Antelopes of Desire: Knowledge, Documentation, and Love in the Novels of Geoff Ryman. [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 261-283.
Art	Pearson, Wendy Gay	F	Pervert's Guide to Geoff Ryman, The: Desire, Subjectivity and Identity in <i>Lust</i> and <i>Was</i> . [in sp iss on: Geoff Ryman]	49.2 2008-Summer: 284-308.
Rev	Gordon, Joan	F	Body Consciences. [in:] Reviews.	49.2 2008-Summer: 309-313.
Rev	Cutrufello, Gabriel	M	Turbulent 1970s, The. [in:] Reviews.	49.2 2008-Summer: 313-318.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Lothian, Alexis	F	Taxonomies of Transgression. [in:] Reviews.	49.2 2008-Summer: 318-324.
Rev	Rieder, John	M	Empire as Thought Experiment. [in:] Reviews.	49.2 2008-Summer: 324-328.
Rev	Vint, Sherryl	F	Language of Posthumans, The. [in:] Reviews.	49.2 2008-Summer: 328-333.
Rev	McQuiston, Erin	F	Introductory Texts and Criticism to Women's Science Fiction. [in:] Reviews.	49.2 2008-Summer: 334-336.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	49.2 2008-Summer: 337.
CfP	[Call for Papers]	n/r	<i>FemSpec</i> .	49.2 2008-Summer: 338.
CfP	[Call for Papers]	n/r	2009 Eaton Science Fiction Conference, The: Extraordinary Voyages: Jules Verne and Beyond.	49.2 2008-Summer: 339.
CfP	[Call for Papers]	n/r	<i>Studies in the Fantastic</i> (University of Tampa Press).	49.2 2008-Summer: 340.
CfP	[Call for Papers]	n/r	Anticipation 2009: 67th World Science Fiction Convention, Academic Track.	49.2 2008-Summer: 341.
CfP	[Call for Papers]	n/r	Time and the Fantastic: The 30th International Conference on the Fantastic in the Arts.	49.2 2008-Summer: 342.
Adv	[Advertisement; for:]	n/r	SFF Masterclass 2009.	49.2 2008-Summer: 343.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	49.2 2008-Summer: 344.
CfP	[Call for Papers]	n/r	<i>SF Storyworlds: Critical Studies in Series Fiction</i> . Glyphi Press. [monographs; books collections; conference papers]	49.2 2008-Summer: 345.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	49.2 2008-Summer: 346.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	49.2 2008-Summer: 347.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2009 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	49.2 2008-Summer: 348.
EM-C		n/r	Contributors.	49.3 2008-Winter: 351-352.
Art	Reid, Michelle	F	Rachel Writes Back: Racialised Androids and Replicant Texts.	49.3 2008-Winter: 353-367.
Art	Caeners, Torsten	M	Humanity's Scarred Children: The Cylons' Oedipal Dilemma in <i>Battlestar Galactica</i> .	49.3 2008-Winter: 368-384.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Robinson, Christopher L.	M	Violence of the Name, The: Patronymy in Earthsea.	49.3 2008-Winter: 385-409.
Art	Laudadio, Nicholas C.	M	Just Like So But Isn't: Musical Consciousness in Richard Powers's <i>Galatea 2.2</i> .	49.3 2008-Winter: 410-431.
Art	Käkelä, Jari	M	Asimov's Foundation Trilogy: From the Fall of Rome to the Rise of Cowboy Heroes.	49.3 2008-Winter: 432-449.
Art	Benefiel, Candace R.	F	Shadow of a Dark Muse: Reprint History of Original Fiction from <i>Weird Tales</i> 1928-1939.	49.3 2008-Winter: 450-465.
Art	Nelson, Brent	M	Cain-Leviathan Typology in Gollum and Grendel.	49.3 2008-Winter: 466-485.
Rev	Bould, Mark	M	19th-Century Sf and the Discourses of Science. [in:] Reviews.	49.3 2008-Winter: 486-489.
Rev	Wilcox, Rhonda V.	F	Unread TV. [in:] Reviews.	49.3 2008-Winter: 489-495.
Rev	Huntington, John	M	Wells: The Scientific Romances and Beyond. [in:] Reviews.	49.3 2008-Winter: 495-498.
Rev	Kapell, Matthew Wilhelm	M	Battlestar Galactica and the Quest for Understanding. [in:] Reviews.	49.3 2008-Winter: 498-501.
Rev	Palmer, Lorrie	F	Star Trek Nation: Fan Letters as Social Practice. [in:] Reviews.	49.3 2008-Winter: 501-506.
Rev	Roberts, Adam	M	Faulty Cartography. [in:] Reviews.	49.3 2008-Winter: 506-512.
Indx		n/r	Index for Volume 49.	49.3 2008-Winter: 513-514
CfP	[Call for Papers]	n/r	2009 Eaton Science Fiction Conference, The: Extraordinary Voyages: Jules Verne and Beyond.	49.3 2008-Winter: 515.
CfP	[Call for Papers]	n/r	<i>FemSpec</i> .	49.3 2008-Winter: 516.
CfP	[Call for Papers]	n/r	Anticipation 2009: 67th World Science Fiction Convention, Academic Track.	49.3 2008-Winter: 517.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	49.3 2008-Winter: 518.
CfP	[Call for Papers]	n/r	<i>SF Storyworlds: Critical Studies in Series Fiction</i> . Glyphi Press. [monographs; books collections; conference papers]	49.3 2008-Winter: 519.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	49.3 2008-Winter: 520.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	49.3 2008-Winter: 521.

APPENDIX D (continued):
***Extrapolation*: Contents: Volumes 1-50, December 1959-Fall 2009**

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	Call for Papers: <i>The Postnational Fantasy: Nationalism, Cosmopolitics and Science Fiction</i> . [bk colln ed by Swaralipi Nandi & Jason W. Ellis, both PhD Scholars, Kent St U]	49.3 2008-Winter: 522.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	49.3 2008-Winter: 523.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2009 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	49.3 2008-Winter: 524.
EM-C		n/r	Contributors.	50.1 2009-Spring: 3-4.
EM-E	Martínez, Javier A.	M	Editorial Introduction [to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 5-6.
EM-E	Attebery, Brian	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 7-9.
EM-E	Bould, Mark	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 9-10.
EM-E	Calvin, Ritch	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 10-11.
EM-E	Easterbrook, Neil	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 11-12.
EM-E	Freedman, Carl	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 12-13.
EM-E	Frelík, Paweł	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 14-15.
EM-E	Fritzsche, Sonja	F	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 15-16.
EM-E	Hassler, Donald M.	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 16-17.
EM-E	Hellekson, Karen	F	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 17-19.
EM-E	Howey, Ann	F	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 19-20.
EM-E	Joshi, S. T.	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 20-21.
EM-E	Mendlesohn, Farah	F	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 22-24.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
EM-E	Murphy, Graham	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 24-25.
EM-E	Sawyer, Andy	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 25-26.
EM-E	Sleight, Graham	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 26-27.
EM-E	Suvin, Darko	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 27.
EM-E	Weinbaum, Batya	F	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 27-28.
EM-E	Westfahl, Gary	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 29.
EM-E	Wilcox, Clyde	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 29-31.
EM-E	Wolfe, Gary K.	M	[contribution to:] Special Section [to celebrate 50th year of <i>Extrapolation</i>]	50.1 2009-Spring: 31-32.
Art	Mendlesohn, Farah	F	"Now, Let Us Put Away Childish Things": Games, Fantasy and the Elided Fantasy of Childhood.	50.1 2009-Spring: 33-44.
Art	Hanson, Carter F.	M	Utopian Function of Memory in Lois Lowry's <i>The Giver</i> .	50.1 2009-Spring: 45-60.
Art	Waters, Alice E.	F	Hoping for the Best, Imagining the Worst: Dystopian Anxieties in Women's SF Pulp Stories of the 1930s.	50.1 2009-Spring: 61-79.
Art	Malia, Jennifer	F	Public Imbecility and Journalistic Enterprise: The Satire on Mars Mania in H. G. Well's <i>The War of the Worlds</i> .	50.1 2009-Spring: 80-101.
Art	Paudyal, Bed	M	Trauma, Sublime, and the Ambivalence of Imperialist Imagination in H. G. Wells's <i>The War of the Worlds</i> .	50.1 2009-Spring: 102-119.
Art	Dietrich, Bryan D.	M	Human Stain, The: Chaos and the Rage for Order in <i>Watchmen</i> .	50.1 2009-Spring: 120-144.
Art	Bellin, Joshua David	M	Us or <i>Them!</i> : <i>Silent Spring</i> and The "Big Bug" Films of the 1950s.	50.1 2009-Spring: 145-168.
Rev	Wilson, D. Harlan	M	Science Fictionalized Filmosophy of Reality, A. [in:] Reviews.	50.1 2009-Spring: 169-172.
Rev	Palmer, Lorrie	F	Metonymy of Stat [sic, Star] Trek, The. [in:] Reviews.	50.1 2009-Spring: 172-178.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Rev	Cutrufello, Gabriel	M	Paranoia of Philp K. Dick's Colonialism, The. [in:] Reviews.	50.1 2009-Spring: 178-181.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.1 2009-Spring: 182.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.1 2009-Spring: 183.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.1 2009-Spring: 184.
CfP	[Call for Papers]	n/r	<i>FemSpec</i> .	50.1 2009-Spring: 185.
CfP	[Call for Papers]	n/r	<i>Studies in the Fantastic</i> (University of Tampa Press).	50.1 2009-Spring: 186.
CfP	[Call for Papers]	n/r	Anticipation 2009: 67th World Science Fiction Convention, Academic Track.	50.1 2009-Spring: 187.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	50.1 2009-Spring: 188.
CfP	[Call for Papers]	n/r	<i>SF Storyworlds: Critical Studies in Series Fiction</i> . Glyphi Press. [monographs; books collections; conference papers]	50.1 2009-Spring: 189.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	50.1 2009-Spring: 190.
CfP	[Call for Papers]	n/r	Race and the Fantastic: The 31st International Conference on the Fantastic in the Arts.	50.1 2009-Spring: 191.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2009 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	50.1 2009-Spring: 192.
EM-C		n/r	Contributors.	50.2 2009-Summer: 195-196.
EM-E	Vint, Sherryl	F	Introduction: Sp Iss on China Miéville. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 197-199.
Art	Birns, Nicholas	M	From Cacotopias to Railroads: Rebellion and the Shaping of the Normal in the Bas-Lag Universe. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 200-211.
Art	Cooper, Rich Paul	M	Building Worlds: Dialectical Materialism as Method in China Miéville's Bas-Lag. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 212-223.
Art	Palmer, Christopher	M	Saving the City in China Miéville's Bas-Lag Novels. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 224-238.

APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
Art	Rankin, Sandy	F	AGASH AGASP AGAPE: The Weaver as Immanent Utopian Impulse in China Miéville's Perdido Street Station and Iron Council. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 239-257.
Art	Kendrick, Christopher	M	Monster Realism and Uneven Development in China Miéville's The Scar. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 258-275.
Art	Vint, Sherryl	F	Possible Fictions: Blochian Hope in The Scar. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 276-292.
Art	Sutliff Sanders, Joe	M	Reinventing Subjectivity: China Miéville's Un Lun Dun and the Child Reader. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 293-306.
Art	Bould, Mark	M	Mind the Gap: The Impertinent Predicates (and Subjects) of King Rat and Looking for Jake and Other Stories. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 307-325.
Art	Burling, William J.	M	Periodizing the Postmodern: China Miéville's Perdido Street Station and the Dynamics of Radical Fantasy. [in:] Sp Iss on China Miéville.	50.2 2009-Summer: 326-344.
Rev	Bould, Mark	M	[review; in:] Reviews.	50.2 2009-Summer: 345-259.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.2 2009-Summer: 360.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.2 2009-Summer: 361.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.2 2009-Summer: 362.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.2 2009-Summer: 363.
CfP	[Call for Papers]	n/r	<i>FemSpec</i> .	50.2 2009-Summer: 364.
CfP	[Call for Papers]	n/r	<i>Studies in the Fantastic</i> (University of Tampa Press).	50.2 2009-Summer: 365.
CfP	[Call for Papers]	n/r	Anticipation 2009: 67th World Science Fiction Convention, Academic Track.	50.2 2009-Summer: 366.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television</i> .	50.2 2009-Summer: 367.
CfP	[Call for Papers]	n/r	<i>SF Storyworlds: Critical Studies in Series Fiction</i> . Glyphi Press. [monographs; books collections; conference papers]	50.2 2009-Summer: 368.
CfP	[Call for Papers]	n/r	<i>Extrapolation</i> .	50.2 2009-Summer: 369.

APPENDIX D (continued):
***Extrapolation*: Contents: Volumes 1-50, December 1959-Fall 2009**

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	Race and the Fantastic: The 31st International Conference on the Fantastic in the Arts.	50.2 2009-Summer: 370.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2009 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	50.2 2009-Summer: 371.
EM-C		n/r	Contributors.	50.3 2009-Fall: 375-376.
Art	Bollinger, Laurel	F	Containing Multitudes: Revisiting the Infection Metaphor in Science Fiction.	50.3 2009-Fall: 377-399.
Art	Bautista, Daniel	M	Fantastic Psychology and Mechanical Allegory in <i>The Invention of Morel</i> .	50.3 2009-Fall: 400-416.
Art	Decker, Mark T.	M	They Want Unfreedom and One-Dimensional Thought? I'll Give Them Unfreedom and One-Dimensional Thought: George Lucas, <i>THX-1138</i> , and the Persistence of Marcusian Social Critique in <i>American Graffiti</i> and the <i>Star Wars</i> Films.	50.3 2009-Fall: 417-441.
Art	Lindgren Leavenworth, Maria	F	Lover Revamped: Sexualities and Romance in the Black Dagger Brotherhood and Slash Fan Fiction.	50.3 2009-Fall: 442-462.
Art	Reid, Robin Anne	F	Thrusts in the Dark: Slashers' Queer Practices.	50.3 2009-Fall: 463-483.
Art	Hill, Matthew B.	M	"I Am a Leaf on the Wind": Cultural Trauma and Mobility in Joss Whedon's <i>Firefly</i> .	50.3 2009-Fall: 484-511.
Art	Halpern, Paul; LaBossiere, Michael C.	M; M	Mind Out of Time: Identity, Perception, and the Fourth Dimension in H. P. Lovecraft's "The Shadow Out of Time" and "The Dreams in the Witch House".	50.3 2009-Fall: 512-533.
Rev	Bould, Mark	M	Chaotic Negotiations. [in:] Reviews.	50.3 2009-Fall: 534-537.
Rev	McGowan, Patrick	M	Reading Christianity in Science Fiction. [in:] Reviews.	50.3 2009-Fall: 537-539.
Rev	Seed, David	M	Science Fiction and Philosophy. [in:] Reviews.	50.3 2009-Fall: 539-541.
Indx		n/r	Index for Volume 50.	50.3 2009-Fall: 542-543.
CfP	[Call for Papers]	n/r	<i>JFA: Journal for the Fantastic in the Arts</i> .	50.3 2009-Fall: 544.

**APPENDIX D (continued):
Extrapolation: Contents: Volumes 1-50, December 1959-Fall 2009**

Type	Author(s)	Gdr	Source Document Title	Ext v.i date: pg(s).
CfP	[Call for Papers]	n/r	Global Science Fiction: The 2011 Eaton Science Fiction Conference.	50.3 2009-Fall: 545.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.3 2009-Fall: 546.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.3 2009-Fall: 547.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.3 2009-Fall: 548.
Adv	[Advertisement; for:]	n/r	Wesleyan University Press.	50.3 2009-Fall: 549.
CfP	[Call for Papers]	n/r	<i>Science Fiction Film and Television.</i>	50.3 2009-Fall: 550.
CfP	[Call for Papers]	n/r	<i>Extrapolation.</i>	50.3 2009-Fall: 551.
Adv	[Publisher's House Advertisement; for:]	n/r	<i>Extrapolation</i> 2010 Subscription Rates (University of Texas, Brownsville & Texas Southmost College, Department of English)	50.3 2009-Fall: 552.

Abbreviations (Publication Types): **Adv**=Advertisement; **Art**=Article; **Bib**=Bibliography; **CfP**=Call for Papers; **EM-C**=Contributors; **EM-E**=Editorial; **EM-M**=Minor Editorial Piece; **Indx**=Index; **Ltr**=Letter; **Note**=Note; **PL**=Primary Literature; **Rev**=Review(s).

Abbreviations (Gender): **F**=Female; **M**=Male; **U**=Undetermined Gender; **n/r**=gender not relevant.

Abbreviations (general): **bc**=back cover; **ibc**=inside back cover; **sp iss**=special issue; **ToC**=Table of Contents.

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations
for Seven Publication Types in *Extrapolation*, 1959-2009**

Geographic Location & Institution	# Published Items	# Different Individuals	Institution Type
No location or institution given or discovered	63	47	n/a
United States	# Published Items	# Different Individuals	Institution Type
US: Not Elsewhere Classified			
Resident or Citizen, no institution or specific state given; or, retired here from institution elsewhere	27	10	n/a
Alabama			
Auburn University	1	1	C/U-Pu
Stillman College	1	1	C/U-Pr
University of Alabama, Birmingham	2	2	C/U-Pu
University of Alabama, Huntsville	1	1	C/U-Pu
University of Alabama, Tuscaloosa	1	1	C/U-Pu
Alaska			
University of Alaska, Anchorage	2	1	C/U-Pu
University of Alaska, Fairbanks	1	1	C/U-Pu
Arizona			
Arizona State University	1	1	C/U-Pu
Northern Arizona University	1	1	C/U-Pu
Pima Community College	1	1	CC-Pu
University of Arizona	1	1	C/U-Pu
Arkansas			
Arkansas State University	2	2	C/U-Pu
Henderson State University	1	1	C/U-Pu
University of Arkansas, Fayetteville	1	1	C/U-Pu
University of Central Arkansas	1	1	C/U-Pu
California			
Resident or Citizen (no institution); or, retired here from institution elsewhere	9	8	n/a
<i>Aberrations</i> [magazine]	1	1	Non-Ed Orgn
California Polytechnic University, San Luis Obispo	4	1	C/U-Pu
California State Polytechnic University, Pomona	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
California State University, Chico	1	1	C/U-Pu
California State University, Dominguez Hills	1	1	C/U-Pu
California State University, Fullerton	3	3	C/U-Pu
California State University, Long Beach	12	3	C/U-Pu
California State University, Sacramento	1	1	C/U-Pu
California State University, San Bernardino	1	1	C/U-Pu
Claremont McKenna College	1	1	C/U-Pr
College of the Redwoods	1	1	CC-Pu
El Camino College	3	1	CC-Pu
Encina High School, Sacramento	2	1	K-12
K2 Network	1	1	Non-Ed Orgn
Kaleidoscope Books, El Cerrito	1	1	Non-Ed Orgn
Los Angeles Unified School District	2	1	K-12
Magic Dragon Multimedia	1	1	Non-Ed Orgn
Pepperdine University	6	2	C/U-Pr
San Diego State University	1	1	C/U-Pu
San Francisco State College [now: San Francisco State University]	1	1	C/U-Pu
San Jose State University	1	1	C/U-Pu
Santa Clara University	1	1	C/U-Pr
Stanford University	4	3	C/U-Pr
University of California, Berkeley	1	1	C/U-Pu
University of California, Davis	10	5	C/U-Pu
University of California, Los Angeles	5	4	C/U-Pu
University of California, Riverside	28	3	C/U-Pu
University of California, Santa Barbara	3	1	C/U-Pu
University of California, Santa Cruz	1	1	C/U-Pu
University of Southern California	5	4	C/U-Pr
US Air Force, Los Angeles Air Force Base	1	1	Non-Ed Orgn
Colorado			
Boulder Center for Science and Policy	1	1	Non-Ed Orgn
Colorado College	3	3	C/U-Pr
Colorado State University, Fort Collins	5	4	C/U-Pu
Regis University	1	1	C/U-Pr
University of Colorado, Boulder	1	1	C/U-Pu
University of Colorado, Denver	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
University of Denver	1	1	C/U-Pr
University of Northern Colorado	1	1	C/U-Pu
Connecticut			
University of Bridgeport	2	2	C/U-Pr
University of Connecticut	1	1	C/U-Pu
US Coast Guard Academy	1	1	C/U-Pu
Western Connecticut State University	1	1	C/U-Pu
Delaware			
University of Delaware	2	1	C/U-Pu
District of Columbia			
American Enterprise Institute	1	1	Non-Ed Orgn
American University	1	1	C/U-Pr
George Washington University	1	1	C/U-Pr
Georgetown University	13	2	C/U-Pr
Library of Congress	4	1	Educ Orgn
National Labor Law Center	1	1	Non-Ed Orgn
Project for Excellence in Journalism	1	1	Non-Ed Orgn
Florida			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	2	n/a
Broward Community College	2	1	CC-Pu
Florida A&M University	1	1	C/U-Pu
Florida International University	2	2	C/U-Pu
Florida State University, Tallahassee	2	2	C/U-Pu
Jacksonville University	1	1	C/U-Pr
Palm Beach Community College, Belle Glade	1	1	CC-Pu
University of Florida, Gainesville	4	2	C/U-Pu
University of Miami	2	1	C/U-Pr
University of North Florida	1	1	C/U-Pu
University of South Florida	2	2	C/U-Pu
West Palm Beach County Mental Health Clinic	1	1	Non-Ed Orgn
Georgia			
Agnes Scott College	1	1	C/U-Pr

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
Albany State College	1	1	C/U-Pu
Berry College	3	2	C/U-Pr
Georgia Institute of Technology	7	2	C/U-Pu
Georgia State University	2	2	C/U-Pu
Gordon College	3	1	C/U-Pu
Middle Georgia College	1	1	C/U-Pu
University of Georgia	1	1	C/U-Pu
Hawai'i			
University of Hawai'i, Mānoa	5	3	C/U-Pu
Idaho			
College of Idaho, Caldwell	1	1	C/U-Pr
Idaho State University	3	1	C/U-Pu
University of Idaho	1	1	C/U-Pu
Illinois			
Resident or Citizen (no institution); or, retired here from institution elsewhere	11	5	n/a
<i>Chicago Daily News</i> [newspaper]	1	1	Non-Ed Orgn
Chicago State University	1	1	C/U-Pu
Eastern Illinois University	2	1	C/U-Pu
Illinois Institute of Technology	2	1	C/U-Pr
Illinois State University, Normal	3	2	C/U-Pu
Illinois Wesleyan University	2	1	C/U-Pr
Loyola University, Chicago	2	2	C/U-Pr
Northern Illinois University	1	1	C/U-Pu
Northwestern University	1	1	C/U-Pr
Oakton Community College, Des Plaines	1	1	CC-Pu
Oakton Community College, Morton Grove	1	1	CC-Pu
Roosevelt University	4	1	C/U-Pr
Southern Illinois University, Carbondale	3	2	C/U-Pu
Southern Illinois University, Edwardsville	1	1	C/U-Pu
University of Chicago	1	1	C/U-Pr
University of Illinois, Chicago Circle	2	1	C/U-Pu
University of Illinois, Urbana-Champaign	4	4	C/U-Pu
William Rainey Harper College	6	1	CC-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States			
	# Published Items	# Different Individuals	Institution Type
Indiana			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Ball State University	3	3	C/U-Pu
DePauw University	1	1	C/U-Pr
Earlham College	2	1	C/U-Pr
Indiana State University, Terre Haute	4	2	C/U-Pu
Indiana University, Bloomington	8	6	C/U-Pu
Indiana University East, Richmond	1	1	C/U-Pu
Indiana University, Columbus	1	1	C/U-Pu
Indiana University-Purdue University, Fort Wayne	1	1	C/U-Pu
Purdue University, West Lafayette	5	3	C/U-Pu
Purdue University, Calumet	1	1	C/U-Pu
Purdue University, North Central, Westville	12	1	C/U-Pu
University of Evansville	1	1	C/U-Pr
University of Indianapolis	1	1	C/U-Pr
University of Notre Dame	1	1	C/U-Pr
Valparaiso University	1	1	C/U-Pr
Iowa			
Drake University	4	4	C/U-Pr
Iowa Hospital Assn	1	1	Non-Ed Orgn
Iowa State University	4	3	C/U-Pu
University of Iowa	3	3	C/U-Pu
University of Northern Iowa	4	1	C/U-Pu
Upper Iowa University	1	1	C/U-Pr
Kansas			
Emporia State College	1	1	C/U-Pu
Fort Hayes State College [now: Fort Hayes State University]	3	2	C/U-Pu
Kansas State University	3	1	C/U-Pu
Kansas Wesleyan University	2	1	C/U-Pr
Newman University	2	1	C/U-Pr
University of Kansas	11	6	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States			
	# Published Items	# Different Individuals	Institution Type
Kentucky			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
University of Kentucky	2	2	C/U-Pu
Western Kentucky University	3	2	C/U-Pu
Louisiana			
Baton Rouge Community College	3	1	CC-Pu
Louisiana State University, Baton Rouge	28	10	C/U-Pu
Louisiana State University, Shreveport	1	1	C/U-Pu
Loyola University, New Orleans	4	3	C/U-Pr
Southern University	1	1	C/U-Pu
Tulane University	1	1	C/U-Pr
University of New Orleans	2	1	C/U-Pu
Maine			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	1	n/a
Bates College	2	1	C/U-Pr
University of Maine, Orono	3	2	C/U-Pu
Maryland			
Balticon program committee	2	2	Non-Ed Orgn
Coppin State University, Baltimore	1	1	C/U-Pu
Johns Hopkins University	1	1	C/U-Pr
University of Maryland, College Park	4	4	C/U-Pu
University of Maryland, University College system	1	1	C/U-Pu
Unnamed high school, Prince Georges County	1	1	K-12
US Treasury Dept	1	1	Non-Ed Orgn
Massachusetts			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Boston College	1	1	C/U-Pr
Brandeis University	1	1	C/U-Pr
Emerson College, Boston	1	1	C/U-Pr
Fisher College	1	1	C/U-Pr
Harvard University	1	1	C/U-Pr

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
Lowell Institute of Technology [aka: Lowell Technological Institute; now part of University of Massachusetts, Lowell]	2	1	C/U-Pu
Middlesex Community College	1	1	CC-Pu
Northeastern University	3	2	C/U-Pr
Southeastern Massachusetts University, Dartmouth [now: University of Massachusetts, Dartmouth]	1	1	C/U-Pu
Suffolk University	1	1	C/U-Pr
University of Massachusetts, Amherst	3	3	C/U-Pu
University of Massachusetts, Boston	3	3	C/U-Pu
Westfield State College	1	1	C/U-Pu
Michigan			
Albion College	1	1	C/U-Pr
Central Michigan University, Mount Pleasant	7	4	C/U-Pu
<i>Cheboyagn Daily Tribune</i> [newspaper]	1	1	Non-Ed Orgn
Detroit College of Law	1	1	C/U-Pr
Eastern Michigan University, Ypsilanti	13	1	C/U-Pu
Lansing Community College	8	1	CC-Pu
Michigan State University, East Lansing	6	5	C/U-Pu
Michigan Technological University	2	2	C/U-Pu
Northern Michigan University	5	3	C/U-Pu
Northwood University	1	1	C/U-Pr
Oakland University	5	3	C/U-Pu
University of Michigan, Ann Arbor	11	5	C/U-Pu
University of Michigan, Dearborn	9	2	C/U-Pu
University of Michigan, Flint	1	1	C/U-Pu
Unnamed high school	1	1	K-12
Wayne State University	1	1	C/U-Pu
Western Michigan University, Kalamazoo	1	1	C/U-Pu
Minnesota			
Resident or Citizen (no institution); or, retired here from institution elsewhere	3	3	n/a
College of St. Benedict	1	1	C/U-Pr
Southwest State University, Marshall [now: Southwest Minnesota State University]	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
St. Cloud State University	3	3	C/U-Pu
St. Louis Park High School, Minneapolis	2	2	K-12
University of Minnesota, Twin Cities-Minneapolis-St. Paul	5	5	C/U-Pu
Winona State University [was: Winona State College]	2	2	C/U-Pu
Mississippi			
Missouri			
Columbia College	1	1	C/U-Pr
Missouri State University, Springfield [was: Southwest Missouri State University]	3	3	C/U-Pu
Missouri Western State College [now: Missouri Western State University]	2	1	C/U-Pu
Northwest Missouri State University	3	2	C/U-Pu
University of Missouri, Columbia	1	1	C/U-Pu
University of Missouri, Rolla [now: Missouri University of Science and Technology]	8	2	C/U-Pu
University of Missouri, St. Louis	5	2	C/U-Pu
Montana			
University of Montana, Missoula	3	1	C/U-Pu
Nebraska			
Peru State College	1	1	C/U-Pu
University of Nebraska, Lincoln	3	3	C/U-Pu
University of Nebraska, Omaha	1	1	C/U-Pu
Nevada			
Reynolds Electrical & Engineering Co.	1	1	Non-Ed Orgn
University of Nevada, Reno	1	1	C/U-Pu
New Hampshire			
Dartmouth College	1	1	C/U-Pr
Franklin Pierce College	1	1	C/U-Pr
Rivier College	1	1	C/U-Pr
University of New Hampshire	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States			
	# Published Items	# Different Individuals	Institution Type
New Jersey			
Resident or Citizen (no institution); or, retired here from institution elsewhere	5	3	n/a
Chelsea House [publisher]	1	1	Non-Ed Orgn
College of Saint Elizabeth	1	1	C/U-Pr
Montclair State University	1	1	C/U-Pu
Ramapo College of New Jersey	1	1	C/U-Pu
Rider College	2	1	C/U-Pr
Rutgers University, New Brunswick	3	2	C/U-Pu
Rutgers University, Newark	2	2	C/U-Pu
St. Peter's College	1	1	C/U-Pr
New Mexico			
Eastern New Mexico University	8	3	C/U-Pu
New Mexico State University	2	1	C/U-Pu
University of New Mexico	1	1	C/U-Pu
New York			
Resident or Citizen (no institution); or, retired here from institution elsewhere	10	5	n/a
Broome Community College	1	1	CC-Pu
Brunswick High School, Brooklyn	1	1	K-12
City University of New York / CUNY	1	1	C/U-Pu
City University of New York, Lehman College	1	1	C/U-Pu
Colgate University	4	1	C/U-Pr
Columbia University	4	2	C/U-Pr
Cornell University	1	1	C/U-Pr
Dover Publications [publisher]	7	1	Non-Ed Orgn
Fordham University	1	1	C/U-Pr
Hamilton College	2	2	C/U-Pr
Hillcrest High School, Queens	1	1	K-12
Hofstra University	2	1	C/U-Pr
<i>InQuest: The Gaming Magazine</i>	1	1	Non-Ed Orgn
<i>Mediums</i> [magazine]	1	1	Non-Ed Orgn
Midtown Logos Bookstore, NYC	1	1	Non-Ed Orgn
Monroe Community College	2	1	CC-Pu
Nassau Community College	2	1	CC-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
New School: Eugene Lang College	1	1	C/U-Pr
New York Institute of Technology	5	1	C/U-Pr
New York University	4	4	C/U-Pr
Port Washington (NY) Public Schools	1	1	K-12
Rensselaer Polytechnic Institute	9	2	C/U-Pr
St. John's University, Brooklyn	1	1	C/U-Pr
State University College, Buffalo [aka: Buffalo State College]	1	1	C/U-Pu
Stony Brook University [aka: SUNY, Stony Brook]	3	1	C/U-Pu
SUNY, Albany	3	3	C/U-Pu
SUNY, Binghamton [aka: Binghamton University; including Harpur College]	4	4	C/U-Pu
SUNY, Brockport [aka: SUNY College, Brockport]	5	3	C/U-Pu
SUNY, Buffalo	4	4	C/U-Pu
SUNY, Cobleskill	1	1	C/U-Pu
SUNY, Empire State College	1	1	C/U-Pu
SUNY, New Paltz	4	2	C/U-Pu
SUNY, Plattsburgh [was: Plattsburg State University]	3	1	C/U-Pu
University of Rochester	1	1	C/U-Pr
Western New York American Society for Psychoprophylaxis in Obstetrics	1	1	Non-Ed Orgn
North Carolina			
Duke University	1	1	C/U-Pr
East Carolina University, Greenville	6	4	C/U-Pu
John T. Hoggard High School	1	1	K-12
North Carolina State University, Raleigh	1	1	C/U-Pu
University of North Carolina, Chapel Hill	2	1	C/U-Pu
University of North Carolina, Greensboro	1	1	C/U-Pu
University of North Carolina, Wilmington	4	3	C/U-Pu
North Dakota			

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States			
	# Published Items	# Different Individuals	Institution Type
Ohio			
Resident or Citizen (no institution); or, retired here from institution elsewhere	9	6	n/a
Belmont Technical College [now: Belmont College]	1	1	CC-Pu
Bowling Green State University	12	7	C/U-Pu
Case Western Reserve University	4	2	C/U-Pr
Central State University, Wilberforce	1	1	C/U-Pu
Cleveland State University	4	3	C/U-Pu
College of Wooster	185	3	C/U-Pr
Heidelberg College	1	1	C/U-Pr
Kent State University, Kent	187	31	C/U-Pu
Kent State University, Ashtabula	1	1	C/U-Pu
Kent State University, Trumbull	4	2	C/U-Pu
Kent State University, Tuscarawas	2	2	C/U-Pu
Lakeland Community College	6	1	CC-Pu
Lorain County Community College, Elyria	1	1	CC-Pu
Miami University, Oxford	24	7	C/U-Pu
Miami University, Hamilton	5	1	C/U-Pu
<i>News-Banner</i> , Wadsworth [newspaper]	1	1	Non-Ed Orgn
Ohio State University, Columbus	4	4	C/U-Pu
Ohio State University, Marion	2	1	C/U-Pu
Ohio University	1	1	C/U-Pu
Shawnee State University	8	1	C/U-Pu
University of Akron	10	3	C/U-Pu
University of Cincinnati	1	1	C/U-Pu
University of Dayton	2	1	C/U-Pr
US Veterans Administration	4	1	Non-Ed Orgn
Wilmington College of Ohio	2	1	C/U-Pr
Wright State University, Lake Campus, Celina	4	1	C/U-Pu
Youngstown State University	1	1	C/U-Pu
Oklahoma			
University of Central Oklahoma	1	1	C/U-Pu
University of Oklahoma	2	2	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States			
	# Published Items	# Different Individuals	Institution Type
Oregon			
Resident or Citizen (no institution); or, retired here from institution elsewhere	6	4	n/a
Lewis and Clark College	2	1	C/U-Pr
Portland State University	2	1	C/U-Pu
University of Oregon	4	2	C/U-Pu
Pennsylvania			
Resident or Citizen (no institution); or, retired here from institution elsewhere	9	4	n/a
Abp. Kennedy High School, Conshohocken	1	1	K-12
Allegheny College	2	1	C/U-Pr
Bloomsburg University	1	1	C/U-Pu
Clarion University of Pennsylvania [was: Clarion State College]	2	2	C/U-Pu
Clarion University, Venango	1	1	C/U-Pu
Dickinson College	5	1	C/U-Pr
Haverford College	1	1	C/U-Pr
Indiana University of PA	1	1	C/U-Pu
Kutztown State College [now: Kutztown University]	2	1	C/U-Pu
La Roche College	1	1	C/U-Pr
Lafayette College	2	2	C/U-Pr
Lehigh University	1	1	C/U-Pr
Millersville University	2	1	C/U-Pu
Pendle Hill [Quaker Study Center; Center for Study & Contemplation]	2	1	Educ Orgn
Pennsylvania State University [State College; aka: University Park; aka, College Park]	4	3	C/U-Pu
Pennsylvania State University, Altoona	2	2	C/U-Pu
Pennsylvania State University, Delaware County	1	1	C/U-Pu
Pennsylvania State University, Erie	1	1	C/U-Pu
Pennsylvania State University, Hazelton	1	1	C/U-Pu
Pennsylvania State University, Scranton	1	1	C/U-Pu
Seton Hill College [now: Seton Hill University]	3	2	C/U-Pr

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
University of Pennsylvania	2	1	C/U-Pr
University of the Sciences in Philadelphia	1	1	C/U-Pr
Rhode Island			
Bryant College	2	2	C/U-Pr
Community College of Rhode Island	1	1	CC-Pu
Providence College	1	1	C/U-Pr
University of Rhode Island	1	1	C/U-Pu
South Carolina			
Brucoli Clark Layman [publisher]	3	1	Non-Ed Orgn
Central Wesleyan College [now: Southern Wesleyan University]	1	1	C/U-Pr
Citadel, The	1	1	C/U-Pu
Clemson University	2	2	C/U-Pu
Limestone College	1	1	C/U-Pr
University of South Carolina	3	2	C/U-Pu
South Dakota			
Dakota Wesleyan University	4	1	C/U-Pr
Tennessee			
Memphis State University [now: University of Memphis]	1	1	C/U-Pu
Nashville Consulate, Realm of the Redonda	1	1	Non-Ed Orgn
Notre Dame High School, Chattanooga	1	1	K-12
Rhodes College, Memphis	1	1	C/U-Pr
University of Tennessee, Chattanooga	1	1	C/U-Pu
University of Tennessee, Knoxville	1	1	C/U-Pu
University of Tennessee, Martin	1	1	C/U-Pu
Texas			
Austin Community College	7	1	CC-Pu
C. J. Jung Ctr of Houston	1	1	Educ Orgn
Lamar University [was: Lamar State College of Technology, Beaumont]	5	3	C/U-Pu
Midwestern University [now: Midwestern State University]	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
North Texas State University [now: University of North Texas]	2	2	C/U-Pu
Sam Houston State University	1	1	C/U-Pu
South Texas College	5	1	CC-Pu
Southwest Texas State University, San Marcos [now: Texas State University]	4	1	C/U-Pu
Stephen F. Austin State University	2	1	C/U-Pu
Tarleton State University	1	1	C/U-Pu
Texas A & M University, College Station	8	5	C/U-Pu
Texas A & M University, Commerce	2	2	C/U-Pu
Texas A&M University, Corpus Christi [was: Corpus Christi State University]	8	4	C/U-Pu
Texas Christian University	11	2	C/U-Pr
Texas Tech University [was: Texas Technical University]	5	3	C/U-Pu
Trinity University	1	1	C/U-Pr
University of Houston	4	3	C/U-Pu
University of Houston, Clear Lake	1	1	C/U-Pu
University of Houston, Downtown	1	1	C/U-Pu
University of Texas, Arlington	2	1	C/U-Pu
University of Texas, Austin	2	2	C/U-Pu
University of Texas, Brownsville [was: University of Texas, Brownsville & TX Southmost College]	10	2	C/U-Pu
University of Texas, Medical Branch, Galveston	1	1	C/U-Pu
University of Texas, San Antonio	1	1	C/U-Pu
Unnamed company, Sugar Land, TX	1	1	Non-Ed Orgn
Utah			
Brigham Young University	1	1	C/U-Pr
Vermont			
University of Vermont	4	2	C/U-Pu
Virginia			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States	# Published Items	# Different Individuals	Institution Type
George Mason University	1	1	C/U-Pu
Hollins University	1	1	C/U-Pr
Lynchburg College	3	1	C/U-Pr
Old Dominion University	2	2	C/U-Pu
University of Mary Washington	2	1	C/U-Pu
University of Richmond	1	1	C/U-Pr
Virginia Commonwealth University	1	1	C/U-Pu
Virginia Polytechnic Institute & State University	7	5	C/U-Pu
Washington			
Resident or Citizen (no institution); or, retired here from institution elsewhere	6	3	n/a
Pacific Lutheran University	1	1	C/U-Pr
South Puget Sound Community College	1	1	CC-Pu
University of Washington, Seattle	1	1	C/U-Pu
Washington State University, Pullman	3	1	C/U-Pu
West Virginia			
Linsly School, Wheeling [Middle & High School]	1	1	K-12-PR
Wisconsin			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	2	n/a
Beloit C	1	1	C/U-Pr
Marian College [now: Marian University]	1	1	C/U-Pr
Saint Norbert College	3	1	C/U-Pr
University of Wisconsin, Eau Claire	1	1	C/U-Pu
University of Wisconsin, Fox Valley, Menasha	5	1	CC-Pu
University of Wisconsin, Green Bay	1	1	C/U-Pu
University of Wisconsin, Madison	4	4	C/U-Pu
University of Wisconsin, Milwaukee	7	4	C/U-Pu
University of Wisconsin, Oshkosh	4	2	C/U-Pu
University of Wisconsin, Parkside	2	2	C/U-Pu
University of Wisconsin, Stout	9	2	C/U-Pu
University of Wisconsin, Waukesha	1	1	CC-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

United States				# Published Items	# Different Individuals	Institution Type
Unnamed treatment center for emotionally disturbed children & adolescents	1	1	K-12			
Wyoming						
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a			
Bytecraft Software Systems	1	1	Non-Ed Orgn			
Northwest Community College	1	1	CC-Pu			
University of Wyoming	1	1	C/U-Pu			
Canada				# Published Items	# Different Individuals	Institution Type
Canada: Not Elsewhere Classified						
Alberta						
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a			
University of Alberta	2	2	C/U-Pu			
University of Calgary	7	3	C/U-Pu			
University of Lethbridge	1	1	C/U-Pu			
British Columbia						
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a			
Malaspina College	1	1	CC-Pu			
University of British Columbia	2	2	C/U-Pu			
Manitoba						
University of Manitoba	1	1	C/U-Pu			
New Brunswick						
St. Thomas University	1	1	C/U-Pu			
Newfoundland & Labrador						

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Canada	# Published Items	# Different Individuals	Institution Type
Nova Scotia			
Arcadia University	1	1	C/U-Pu
Dalhousie University	7	3	C/U-Pu
St. Francis Xavier University	5	1	C/U-Pu
Northwest Territories			
Nunavut			
Ontario			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Algoma College	1	1	C/U-Pu
Brescia University College	1	1	C/U-Pu
Brock University	6	2	C/U-Pu
Carleton University	1	1	C/U-Pu
David & Mary Thomson Collegiate High School	1	1	K-12
McMaster University	6	4	C/U-Pu
Seneca College of Applied Arts & Tech	4	1	C/U-Pu
St. Michael's College	1	1	C/U-Pu
Trent University	6	2	C/U-Pu
University of Guelph	6	1	C/U-Pu
University of Toronto	2	1	C/U-Pu
University of Waterloo	2	1	C/U-Pu
University of Western Ontario	5	3	C/U-Pu
York University, Toronto	10	4	C/U-Pu
Prince Edward Island			
Quebec			
Concordia University [including pre-merger institutions: Loyola College (1 item; 1 au), Montreal; & Sir George Williams University (1 item; 1 au)]	14	6	C/U-Pu
McGill University	12	2	C/U-Pu
Vanier College, Montreal	2	2	CC-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Canada	# Published Items	# Different Individuals	Institution Type
Saskatchewan			
Campion College	1	1	C/U-Pu
University of Saskatchewan	3	3	C/U-Pu
Yukon			
Central & South America & Caribbean	# Published Items	# Different Individuals	Institution Type
Central & South America & Caribbean: Not Elsewhere Classified			
Brazil			
University of Sao Paulo	2	1	C/U-Pu
Jamaica			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Puerto Rico			
University of Puerto Rico	2	1	C/U-Pu
Europe	# Published Items	# Different Individuals	Institution Type
Europe: Not Elsewhere Classified			
Austria			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	2	n/a
University of Innsbruck	2	2	C/U-Pu
Cyprus			
American University of Cyprus	1	1	C/U-Pr
Czechoslovakia / Czech Republic			
Charles University	1	1	C/U-Pu
<i>Ikarie</i> [Czech SF monthly]	1	1	Non-Ed Orgn

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Europe	# Published Items	# Different Individuals	Institution Type
Denmark			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	1	n/a
Greve Higher Secondary School	1	1	K-12
Finland			
Helsinki University	1	1	C/U-Pu
France			
HEC-Paris	1	1	C/U-Pu
Lycee Francois Truffaut	1	1	K-12
Germany / West Germany			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Bavarian State Library, Munich	1	1	Educ Orgn
Ruhr-Universität Bochum	1	1	C/U-Pu
University of Aachen	1	1	C/U-Pu
University of Duisburg-Essen	1	1	C/U-Pu
Hungary			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Mtesz Club SF, Budapest	1	1	Non-Ed Orgn
University of Debrecen	1	1	C/U-Pu
Ireland / Eire			
University College Dublin	1	1	C/U-Pu
Italy			
Resident or Citizen (no institution); or, retired here from institution elsewhere	9	2	n/a
Poland			
Jagellonion University, Kraków	1	1	C/U-Pu
Marie Curie Sklodowska University	1	1	C/U-Pu
Russia / USSR			
State University of Theatrical Art, Moscow	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Europe	# Published Items	# Different Individuals	Institution Type
Spain			
University of Barcelona	1	1	C/U-Pu
University of Seville	1	1	C/U-Pu
Sweden			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Umeå University	1	1	C/U-Pu
United Kingdom: England			
Resident or Citizen (no institution); or, retired here from institution elsewhere	24	11	n/a
Brunel University	1	1	C/U-Pu
Buckinghamshire New University	2	2	C/U-Pu
Canterbury Christ Church University	2	1	C/U-Pu
<i>Foundation: The International Review of Science Fiction</i> [journal]	1	1	Non-Ed Orgn
Middlesex University	6	2	C/U-Pu
<i>Science Fiction Encyclopedia</i> [publication]	1	1	Non-Ed Orgn
University of Central England	1	1	C/U-Pu
University of Chester [was: Chester College of Higher Education]	2	2	C/U-Pu
University of Chichester	1	1	C/U-Pu
University of East London	1	1	C/U-Pu
University of Leicester	1	1	C/U-Pu
University of Liverpool	5	3	C/U-Pu
University of London	1	1	C/U-Pu
University of London: Birkbeck College	1	1	C/U-Pu
University of London: Royal Holloway	2	2	C/U-Pu
University of Nottingham	2	2	C/U-Pu
University of Portsmouth	2	1	C/U-Pu
University of Reading	4	3	C/U-Pu
University of Sheffield	2	1	C/U-Pu
University of Surrey: St. Mary's University College	1	1	C/U-Pu
University of the West of England	9	1	C/U-Pu
University of York	4	2	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Europe	# Published Items	# Different Individuals	Institution Type
United Kingdom: Northern Ireland			
United Kingdom: Scotland			
Resident or Citizen (no institution); or, retired here from institution elsewhere	3	2	n/a
University of Aberdeen	1	1	C/U-Pu
University of Edinburgh	6	3	C/U-Pu
University of Strathclyde	2	1	C/U-Pu
United Kingdom: Wales			
University of Cardiff	3	1	C/U-Pu
Yugoslavia			
Unnamed secondary school, Belgrade	1	1	K-12
Asia	# Published Items	# Different Individuals	Institution Type
Asia: Not Elsewhere Classified			
China			
University of Shanghai	1	1	C/U-Pu
Japan			
Osaka University	1	1	C/U-Pu
Keio University, Tokyo	1	1	C/U-Pr
Sri Lanka			
Resident or Citizen (no institution); or, retired here from institution elsewhere	2	1	n/a
Taiwan			
Tamkang University	1	1	C/U-Pr

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

Africa	# Published Items	# Different Individuals	Institution Type
Africa: Not Elsewhere Classified			
Oceania	# Published Items	# Different Individuals	Institution Type
Oceania: Not Elsewhere Classified			
Australia: Not Elsewhere Classified			
Australia: Australian Capital Territory			
Australia: New South Wales			
University of Sydney	6	2	C/U-Pu
University of Wollongong	1	1	C/U-Pu
Australia: Northern Territory			
Australia: Queensland			
University of Queensland, Brisbane	7	3	C/U-Pu
Australia: South Australia			
Australia: Tasmania			
Australia: Victoria			
Resident or Citizen (no institution); or, retired here from institution elsewhere	1	1	n/a
Latrobe University	5	2	C/U-Pu
University of Melbourne	1	1	C/U-Pu
Australia: Western Australia			
Australian Interaction Consultants	1	1	Non-Ed Orgn
University of Western Australia	1	1	C/U-Pu

**APPENDIX E:
Complete Institutional Distribution of Known Authorship Affiliations**

New Zealand			
University of Auckland	1	1	C/U-Pu
University of Waikato, Hamilton	1	1	C/U-Pu

Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440)

Note: Institution Types are: **C/U** = College or University [Baccalaureate or higher institution]; **CC** = Community or Junior College [2 year institution]; **Pu** = Public; **Pr** = Private; **K-12** = Primary and/or Secondary Educational Institution; **Educ Orgn** = Educational organization other than C/U, CC, or K-12; **Non-Ed Orgn** = Non educational institution or organization

**Appendix F:
Complete Rank or Role for Authors
of Seven Publication Types in *Extrapolation*, 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Higher Education: Employees						
Professor with Named Professorship: Total						18
Professor with Named Professorship	12					
Professor with Named Professorship	3	Chair (of Department, Unit, etc.)	3			
Professor with Named Professorship, Emeritus	3					
Total in Rank/Role:	18		3		0	
Professor: Total						485
Professor	426					
Professor	7	Chair (of Department, Unit, etc.)	7			
Professor	1	Associate Chair & Co-ordinator (of Program, Unit, etc.)	1			
Professor	1	Vice Chair	1			
Professor	2	Head (of Department, Unit, etc.)	2			
Professor	1	Co-ordinator (of Program, Unit, etc.)	1			
Professor	10	Director (of Program, Unit, etc.)	10			
Professor	1	Fellow	1			
Professor	4	Library Collection Curator	4			
Professor	6			Writer, Creative or Non-Fiction	6	
Professor	1			Editor	1	
Professor, Emeritus	11					

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Professor, Emeritus	1	Professor, Visiting	1			
Professor, Retired	10					
Professor, Retired	3			Writer, Creative or Non-Fiction	3	
Total in Rank/Role:	485		28		10	
Reader [UK]: Total						20
Reader	15					
Reader	1	Director (of Program, Unit, etc.)	1			
Reader	1			Editor	1	
Reader	1			Organization: Owner, Leader, or Administrator	1	
Reader, Retired	2					
Total in Rank/Role:	20		1		2	
Associate Professor: Total						169
Associate Professor	153					
Associate Professor	6	Chair (of Department, Unit, etc.)	6			
Associate Professor	4	Director (of Program, Unit, etc.)	4			
Associate Professor	1	Professor, Visiting	1			
Associate Professor	4	Assistant to Vice President [Administration]	4			
Associate Professor	1			Writer, Creative or Non-Fiction	1	
Total in Rank/Role:	169		15		1	
Lecturer [UK]						7
Senior Lecturer	5					
Principal Lecturer	1					

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Principal Lecturer	1	Subject Leader	1			
Total in Rank/Role:	7		1		0	
<i>Assistant Professor: Total</i>						142
Assistant Professor	133					
Assistant Professor	1	Co-ordinator (of Program, Unit, etc.)	1			
Assistant Professor	1	Co-ordinator, Acting (of Program, Unit, etc.)	1			
Assistant Professor	5	Director (of Program, Unit, etc.)	5			
Assistant Professor	1	Library Collection Manager	1			
Assistant Professor	1	Affiliated Faculty (to another department or program)	1			
Total in Rank/Role:	142		9		0	
<i>Lecturer [US] or Instructor: Total</i>						68
Lecturer	16					
Instructor	50					
Instructor	2			Writer, Creative or Non-Fiction	2	
Total in Rank/Role:	68		0		2	
<i>Adjunct Faculty: Total</i>						9
Professor, Adjunct	2					
Associate Professor, Adjunct	3					
Assistant Professor, Adjunct	1					
Faculty, Adjunct, Rank not given	2					

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Faculty, Adjunct, Rank not given	1			Writer, Creative or Non-Fiction	1	
Total in Rank/Role:	9		0		1	
Visiting Faculty: Total						9
Professor, Visiting	1					
Assistant Professor, Visiting	6					
Assistant Professor, Visiting	1	Post-doctoral Researcher	1			
Assistant Professor, Visiting	1			Organization: Research Associate	1	
Total in Rank/Role:	9		1		1	
Faculty, Rank or Status not given or discoverable: Total						330
Faculty, Rank not given	287					
Faculty, Rank not given	10	Chair (of Department, Unit, etc.)	10			
Faculty, Rank not given	1	Chair (of Department, Unit, etc.)	1	Editor	1	
Faculty, Rank not given	1	Head (of Department, Unit, etc.)	1			
Faculty, Rank not given	1	Co-ordinator (of Program, Unit, etc.)	1			
Faculty, Rank not given	3	Director (of Program, Unit, etc.)	3			
Faculty, Rank not given	1	Director (of Program, Unit, etc.)	1	Writer, Creative or Non-Fiction	1	
Faculty, Rank not given	1	Fellow, Visiting	1			
Faculty, Rank not given	13			Writer, Creative or Non-Fiction	13	
Faculty, Rank not given	1			Translator	1	
Faculty, Rank not given	1			Artist	1	
Faculty, Rank not given	2			Anthropologist	2	

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Faculty, Rank not given	1			Organization: Staff	1	
Faculty, Rank not given, Emeritus	1					
Faculty, Rank not given, Retired	6					
Total in Rank/Role:	330		18		20	
<i>Other Faculty, or Faculty-Like Appointments: Total</i>						8
Scholar in Residence	1					
Writer in Residence	1					
Post-doctoral Researcher	2					
Research Fellow	2					
Research Associate	2					
Total in Rank/Role:	8		0		0	
<i>Former Faculty: Total</i>						9
Former Faculty	9					
Total in Rank/Role:	9		0		0	
<i>Librarians</i>						31
Librarian, Professor rank	1	Administrative role	1			
Librarian, Associate Professor rank	2					
Librarian, Associate Professor rank	1	Head (of Department, Unit, etc.)	1			
Librarian, Assistant Professor Rank	1					
Librarian, Rank not given	17					
Librarian, Rank not given	2	Faculty, Rank not given & Course Director	2			
Librarian, Rank not given	5	Co-ordinator (of Program, Unit, etc.)	5			

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Librarian, Rank not given	1	Director, Assistant [Administrator]	1			
Librarian, Rank not given	1	University Librarian, Assistant [Administrator]	1			
Total in Rank/Role:	31		11		0	
Administration & Staff: Total						16
Dean	1					
Exec Asst to Chancellor	1			Writer, Creative or Non-Fiction	1	
Administrator	1					
Staff: Co-ordinator (of Program, Unit, etc.)	2					
Staff: Runs center	1					
Staff: Runs programs	1					
Staff: Academic Advisor	1					
Staff: Study Advisor	1	Learning Development researcher	1			
Staff: Teaches reading	4					
Staff	1					
Staff	1			Writer, Creative or Non-Fiction	1	
Staff	1			Independent Scholar & Editor	1	
Total in Rank/Role:	16		1		3	
Higher Education: Students						
Doctoral Students: Total						122
Doctoral Student	91					
Doctoral Student	2	Assistant Professor	2			
Doctoral Student	1	Lecturer	1			

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Doctoral Student	10	Instructor	10			
Doctoral Student	1	Instructor & Advisor	1			
Doctoral Student	1	Teaching Fellow	1			
Doctoral Student	7	Teaches, Rank or status not given	7			
Doctoral Student	1	Teaching Assistant	1			
Doctoral Student	1	Fulbright Fellow	1			
Doctoral Student	2	Named Scholar	2			
Doctoral Student	1	High School Teacher	1			
Doctoral Student	1	K-12 teacher	1			
Doctoral Student	3			Writer, Creative or Non-Fiction	3	
Total in Rank/Role:	122		28		3	
<i>Masters Students: Total</i>						9
Masters Student	7					
Masters Student	1	Instructor	1			
Masters Student	1			Writer, Creative or Non-Fiction	1	
Total in Rank/Role:	9		1		1	
<i>Graduate Students, Status not given: Total</i>						37
Graduate Student, Status not given	22					
Graduate Student, Status not given	1	Teaching Fellow	1			
Graduate Student, Status not given	4	Teaches, Rank or status not given	4			
Graduate Student, Status not given	1	Graduate Assistant	1			
Graduate Student, Status not given	5	Teaching Assistant	5			

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Graduate Student, Status not given	1	High School Teacher	1			
Graduate Student, Status not given	2			Writer, Creative or Non-Fiction	2	
Graduate Student, Status not given	1			Editor	1	
Total in Rank/Role:	37		12		3	
<i>Undergraduate Students: Total</i>						6
Undergraduate Student	6					
Total in Rank/Role:	6		0		0	
<i>Students, Status or Level not given or discoverable: Total</i>						3
Student, Status not given	2					
Student, Status not given	1			Creative or Non-Fiction & Artist	1	
Total in Rank/Role:	3		0		1	
<i>Higher Education: Affiliated</i>						
<i>University or College Affiliated: Status not given or discoverable: Total</i>						34
University or College Affiliated, Status not given	34					
Total in Rank/Role:	34		0		0	
<i>K-12 & Other Educational Institutions</i>						
<i>K-12 Education</i>						7
High School teacher	5					
K-12 teacher, Level not specified	1					
K-12 teacher, Level not specified	1			Writer, Creative or Non-Fiction	1	
Total in Rank/Role:	7		0		1	

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
<i>Other Education</i>						9
Educator, Level not specified	1			Writer, Creative or Non-Fiction	1	
Education Staff, Level not specified	1	K-12 teacher, Part-time, Level not specified	1			
Librarian, Status not specified	2	High School teacher & Higher Education Faculty, Part-time, Status not specified	2			
Government: Librarian or Archivist	5					
Total in Rank/Role:	9		3		1	
<i>Non-Education Related Roles</i>						
<i>Independent Scholars: Total</i>						13
Independent Scholar	10					
Independent Scholar	3			Collector	3	
Total in Rank/Role:	13		0		3	
<i>Writing, Publishing & the Arts: Writers, Editors, Critics, Reviewers, Artists, Publishers: Total</i>						107
Writer, Creative or Non-Fiction	44					
Writer, Creative or Non-Fiction	1	Instructor	1			
Writer, Creative or Non-Fiction	4			Critic	4	
Writer, Creative or Non-Fiction	1			Critic & Reviewer	1	
Writer, Creative or Non-Fiction	2			Critic & Editor	2	
Writer, Creative or Non-Fiction	16			Editor	16	

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Writer, Creative or Non-Fiction	1			Editor & Publisher	1	
Writer, Creative or Non-Fiction	1			Writer, Technical	1	
Writer, Creative or Non-Fiction	1			Proofreader	1	
Writer, Creative or Non-Fiction	8			Publisher-Administrator, Retired	8	
Writer, Creative or Non-Fiction	1			Theater Producer	1	
Writer, Technical	1					
Critic	3					
Critic	2			Translator	2	
Reviewer	2					
Artist	1					
Artist	1			Writer	1	
Editor	7					
Editor	1	K-12 teacher, Level not specified & Higher Education faculty, Status not specified	1			
Editor	1			Critic	1	
Editor	1			Critic & Translator	1	
Editor	2			Consultant	2	
Copy Editor	1					
Proofreader	1					
Publisher	2			Critic	2	
Actress & Songwriter	1					
Total in Rank/Role:	107		2		44	
Government, Business, & Other Organizations: Total						18
Government: Staff	4					
Consultant	1					

**Appendix F (continued):
Complete Rank or Role for *Extrapolation* Authors , 1959-2009**

Primary Rank or Role In or Outside Higher Education	#	Other Role In Higher Education or K-12 Education	#	Other Role Outside Higher Education	#	Total #
Electronics Engineer	1	SF&F Fan	1			
Organization: Owner, Leader, Administrator	3					
Organization: Research Associate	1					
Organization: Staff	5					
Organization: Role not specified	1					
SF&F Fan	1					
SF&F Fan	1			Government: Other Staff	1	
Total in Rank/Role:	18		1		1	
<i>Role or Status Not Given or Discoverable: Total</i>						90
Role or Status Not Given or Discoverable: Total	90					
Total in Rank/Role:	90		0		0	
Totals						1,776
Primary Rank or Role In or Outside Higher Education:	1,776	Other Role In Higher Education or K-12 Education:	139	Other Role Outside Higher Education:	98	
Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440)						

Appendix G: Complete Department &/or Discipline Affiliation Combinations for Scholar-Authors of Seven Publication Types in <i>Extrapolation</i>, 1959-2009		
Primary Department &/or Discipline	Secondary Department &/or Discipline	Total # Contributions to 1,776 Authorships
English Sub-Total: 1,118 (62.95%)		
English		1,050
English	Comparative or World Literatures &/or Non-English Languages	9
English	Literature &/or Language (General)	2
English	Composition &/or Writing	7
English	Speech, Communication, &/or Rhetoric	1
English	Arts & Theatre	1
English	History &/or Cultural Studies	6
English	Humanities	1
English	Psychology &/or Behavioral Sciences	3
English	Education	2
English	Women &/or Gender Studies	5
English	Student Services &/or Academic Administration	8
English	Academic: Department &/or Discipline unknown	1
English	Writing, Publishing, &/or the Arts	21
English	Non-academic	1
Other Humanities Sub-Total: 203 (11.43%)		
Comparative or World Literatures &/or Non-English Languages		31
Comparative or World Literatures &/or Non-English Languages	Libraries & Archives	5
Literature &/or Language (General)		13
Literature &/or Language (General)	Composition &/or Writing	1
Literature &/or Language (General)	Speech, Communication, &/or Rhetoric	1
Literature &/or Language (General)	Film &/or Media Studies	1

**Appendix G (continued):
Complete Department &/or Discipline Affiliation Combinations for Scholar-Authors**

Primary Department &/or Discipline	Secondary Department &/or Discipline	Total # Contributions to 1,776 Authorships
Literature &/or Language (General)	Interdisciplinary	1
Composition &/or Writing		11
Composition &/or Writing	Literature &/or Language (General)	4
Speech, Communication, &/or Rhetoric		11
Arts & Theatre		12
Film &/or Media Studies		17
Film &/or Media Studies	Literature &/or Language (General)	9
History &/or Cultural Studies		30
History &/or Cultural Studies	English	4
Philosophy &/or Religion		25
Humanities (General)		25
Humanities (General)	English	2
<i>Social Sciences Sub-Total: 72 (4.05%)</i>		
Political Science &/or Government		24
Political Science &/or Government	Literature &/or Language (General)	1
Political Science &/or Government	Anthropology &/or Sociology	1
Psychology &/or Behavioral Sciences		13
Anthropology &/or Sociology		8
Women &/or Gender Studies		4
Women &/or Gender Studies	Social Sciences (General)	2
Education		4
Business &/or Economics		4
Library &/or Information Science		2
Social Sciences (General)		9
<i>Science & Technology Sub-Total: 10 (0.56%)</i>		
Sciences &/or Technology		9
Sciences &/or Technology	Humanities (General)	1

Appendix G (continued): Complete Department &/or Discipline Affiliation Combinations for Scholar-Authors		
Primary Department &/or Discipline	Secondary Department &/or Discipline	Total # Contributions to 1,776 Authorships
Interdisciplinary Sub-Total: 7 (0.39%)		
Interdisciplinary		7
Libraries, Student Services, & Other Academic Administration Sub-Total: 57 (3.21%)		
Libraries & Archives		37
Libraries & Archives	English	2
Libraries & Archives	English (K-12)	2
Student Services &/or Academic Administration		12
Student Services &/or Academic Administration	English	1
Student Services &/or Academic Administration	Writing, Publishing, &/or the Arts	3
Other Academic: Department &/or Discipline Unknown Sub-Total: 80 (4.50%)		
Academic (Higher Education): Dept &/or Disc unknown		77
Academic (K-12): Dept &/or Disc unknown		2
Academic: Level unknown: Dept &/or Disc unknown	Writing, Publishing, &/or the Arts	1
Outside of Academic Institutions or Status Unknown Sub-Total: 229 (12.89%)		
Writing, Publishing, &/or the Arts		113
Non-Academic Field		37
Academic/Non-Academic Status Unknown		79
Seven Publication Types: Articles (937), Bibliographies (50), Editorial Materials (185 of 321), Letters (84), Notes (11 of 24), Primary Literature (4), Reviews (440)		

APPENDIX H:
Primary Authors Referenced:
Country or National Affiliations: Number of Primary Works Referenced, in *Extrapolation* by Decade

Primary Works Authors & Their Country Affiliation(s)			D1: v1 - 10 1959 - 1969			D2: v11 - 20 1969 - 1979			D3: v21 - 30 1980 - 1989			D4: v31 - 40 1990 - 1999			D5: v41 - 50 2000 - 2009			TOTAL: v1 - 50 1959 - 2009		
			# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs			# Primary Refs		
Gen- der	# PWk Au	# Other Co	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	Sum: # Refs	# For Refs	# Inf Refs	# Refs	# For Refs	# Inf Refs	# Refs	# For Refs	# Inf Refs	Sum: # Refs
ALGERIA																				
Total	1	1	0	0	0	1	1	2	0	1	1	0	0	0	0	0	0	1	2	3
M-2+	1	1				1	1	2		1	1							1	2	3
			Other Country(ies): <i>Male</i> : France																	
ANGOLA (Portuguese West Africa)																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	2	2
M-2+	1	1											2	2					2	2
			Other Country(ies): <i>Male</i> : United States																	
ARGENTINA																				
Total	8	4	4	12	16	9	9	18	18	7	25	7	0	7	8	2	10	46	30	76
F-1	2														2		2	2		2
M-1	3		4	9	13	9	8	17	18	6	24	7		7	5	1	6	43	24	67
M-2+	3	4		3	3		1	1		1	1				1	1	2	1	6	7
			Other Country(ies): <i>Male</i> : Belgium; France; United Kingdom; United States																	

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
AUSTRALIA																				
Total	32	5	0	1	1	1	5	6	7	6	13	3	2	5	20	53	73	31	67	98
F-1	4								2	1	3				9	4	13	11	5	16
M-1	12								1		1				9	33	42	10	33	43
F-2+	1	1														1	1		1	1
M-2+	15	5		1	1	1	5	6	4	5	9	3	2	5	2	15	17	10	28	38
Other Countr(y/ies): <i>Both</i> : United States; <i>Male</i> : Eire; India; New Zealand; United Kingdom																				
AUSTRIA																				
Total	10	2	0	2	2	2	7	9	1	3	4	0	2	2	1	3	4	4	17	21
M-1	7			2	2		2	2	1	1	2		1	1	1	3	4	2	9	11
M-2+	3	2				2	5	7		2	2		1	1				2	8	10
Other Countr(y/ies): <i>Male</i> : Austria; United States																				
BELGIUM (including Flanders)																				
Total	4	3	0	0	0	0	0	0	1	2	3	0	0	0	0	1	1	1	3	4
M-1	2								1		1					1	1	1	1	2
F-2+	1	1								1	1								1	1
M-2+	1	2								1	1								1	1
Other Countr(y/ies): <i>Female</i> : United States; <i>Male</i> : Argentina; France																				
BOTSWANA																				
Total	1	1	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	3	0	3
F-2+	1	1										3		3				3		3
Other Countr(y/ies): <i>Female</i> : South Africa																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009			
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	
BRAZIL																					
Total	15	1	0	0	0	0	1	1	0	0	0	14	2	16	7	0	7	21	3	24	
F-1	1											1		1				1		1	
M-1	13											13	2	15	7		7	20	2	22	
M-2+	1	1					1	1											1	1	
Other Country(y/ies): <i>Male</i> : Germany																					
CANADA																					
Total	53	9	2	6	8	25	46	71	16	12	28	133	44	177	113	56	169	289	164	453	
F-1	7					14	18	32				3	3	6	21	20	41	38	41	79	
M-1	17						4	4	1		1	3	1	4	10	12	22	14	17	31	
F-2+	8	5		2	2	1	3	4	6	4	10	71	11	82	25	6	31	103	26	129	
M-2+	21	7	2	4	6	10	21	31	9	8	17	56	29	85	57	18	75	134	80	214	
Other Country(y/ies): <i>Both</i> : France; United Kingdom; United States; <i>Female</i> : Jamaica; Japan; <i>Male</i> : Croatia; Hong Kong; Italy; Netherlands																					
CHILE																					
Total	2	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	1	1	2	
F-1	1														1		1	1		1	
M-1	1						1	1											1	1	
CHINA																					
Total	8	2	0	2	2	3	1	4	13	4	17	0	4	4	6	10	16	22	21	43	
M-1	6					1	1	2	3	1	4				6	5	11	10	7	17	
M-2+	2	2		2	2	2		2	10	3	13		4	4		5	5	12	14	26	
Other Country(y/ies): <i>Male</i> : United Kingdom; United States																					

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
CILICIA (Ancient)																				
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	
M-1	1														1	1		1	1	
COLOMBIA																				
Total	1	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	2	2	
M-1	1									2	2							2	2	
CROATIA (Yugoslavia)																				
Total	1	2	0	0	0	1	0	1	0	0	0	1	0	1	0	1	1	2	1	3
M-2+	1	2				1		1				1		1		1	1	2	1	3
Other Countr(y/ies): <i>Male</i> : Canada; Italy																				
CUBA																				
Total	9	1	0	0	0	0	0	0	0	1	1	0	0	0	8	7	15	8	8	16
M-1	8									1	1				8	6	14	8	7	15
F-2+	1	1														1	1		1	1
Other Countr(y/ies): <i>Female</i> : United States																				
CZECH REPUBLIC (Czechoslovakia)																				
Total	6	1	0	2	2	0	5	5	2	10	12	21	34	55	4	7	11	27	58	85
M-1	5			2	2		5	5	2	9	11	21	32	53	4	7	11	27	55	82
M-2+	1	1								1	1		2	2					3	3
Other Countr(y/ies): <i>Male</i> : United Kingdom																				
DENMARK																				
Total	3	1	0	0	0	0	0	0	2	4	6	4	5	9	1	2	3	7	11	18
M-1	2								2	4	6	4	4	8	1	2	3	7	10	17
F-2+	1	1											1	1					1	1
Other Countr(y/ies): <i>Female</i> : Kenya																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gender	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
DOMENICA																				
Total	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
F-2+	1	2													1		1	1		1
Other Country(y/ies): <i>Female</i> : France; United Kingdom																				
EGYPT																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
M-2+	1	1													1		1	1		1
Other Country(y/ies): <i>Male</i> : United Kingdom																				
EIRE (Ireland)																				
Total	28	5	1	9	10	16	32	48	26	55	81	21	54	75	22	26	48	86	176	262
M-1	14			7	7	9	23	32	10	26	36	10	45	55	9	18	27	38	119	157
F-2+	1	1				1		1	1		1	4	1	5	4	2	6	10	3	13
M-2+	13	5	1	2	3	6	9	15	15	29	44	7	8	15	9	6	15	38	54	92
Other Country(y/ies): <i>Both</i> : United States; <i>Male</i> : Australia; France; Germany; United Kingdom																				
FINLAND																				
Total	1	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	1	1	2
M-1	1									1	1	1		1				1	1	2
FRANCE (including Burgundy)																				
Total	95	14	3	16	19	11	25	36	40	38	78	20	52	72	51	71	122	125	202	327
F-1	3								2	1	3		1	1		2	2	2	4	6
M-1	69		1	16	17	9	21	30	26	28	54	16	45	61	42	55	97	94	165	259
F-2+	4	4							5	1	6	1	1	2	5	4	9	11	6	17
M-2+	19	13	2		2	2	4	6	7	8	15	3	5	8	4	10	14	18	27	45
Other Country(y/ies): <i>Both</i> : Canada; United Kingdom; United States; <i>Female</i> : Domenica; <i>Male</i> : Algeria; Argentina; Belgium; Eire; Germany; Poland; Romania; Russia; South Africa; Switzerland																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
GERMANY (including East Germany & East Prussia)																				
Total	64	8	1	5	6	12	29	41	10	28	38	19	29	48	22	32	54	64	123	187
F-1	1						1	1											1	1
M-1	45		1	4	5	8	19	27	4	18	22	10	24	34	18	27	45	41	92	133
M-2+	18	8		1	1	4	9	13	6	10	16	9	5	14	4	5	9	23	30	53
Other Countr(y/ies): <i>Male</i> : Austria; Brazil; Eire; France; Lithuania; Switzerland; United Kingdom; United States																				
GREECE, ANCIENT																				
Total	11	0	0	1	1	0	11	11	3	19	22	2	17	19	10	13	23	15	61	76
M-1	11			1	1		11	11	3	19	22	2	17	19	10	13	23	15	61	76
HONG KONG																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
M-2+	1	1													1		1	1		1
Other Countr(y/ies): <i>Male</i> : Canada																				
HUNGARY																				
Total	16	1	0	1	1	0	1	1	1	19	20	0	0	0	0	2	2	1	23	24
M-1	13			1	1					19	19								20	20
F-2+	1	1													1	1			1	1
M-2+	2	1					1	1	1		1				1	1		1	2	3
Other Countr(y/ies): <i>Both</i> : United States																				
ICELAND																				
Total	1	0	0	0	0	0	0	0	1	1	2	2	0	2	0	0	0	3	1	4
M-1	1								1	1	2	2		2				3	1	4

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
INDIA																				
Total	11	5	2	13	15	3	20	23	11	21	32	12	19	31	7	12	19	35	85	120
M-1	1									1	1								1	1
F-2+	2	3							1		1		2	2				1	2	3
M-2+	8	3	2	13	15	3	20	23	10	20	30	12	17	29	7	12	19	34	82	116
Other Countr(y/ies): <i>Both</i> : United Kingdom; <i>Female</i> : Italy; Monaco; <i>Male</i> : Australia; United States																				
IRAN																				
Total	1	2	0	0	0	4	0	4	12	7	19	7	8	15	1	3	4	24	18	42
F-2+	1	2				4		4	12	7	19	7	8	15	1	3	4	24	18	42
Other Countr(y/ies): <i>Female</i> : United Kingdom; Zimbabwe																				
ITALY																				
Total	39	6	0	4	4	7	15	22	3	36	39	9	25	34	8	14	22	27	94	121
F-1	4									7	7								7	7
M-1	29			4	4	6	12	18	2	27	29	7	24	31	7	11	18	22	78	100
F-2+	1	3							1		1							1		1
M-2+	5	3				1	3	4		2	2	2	1	3	1	3	4	4	9	13
Other Countr(y/ies): <i>Female</i> : India; Monaco; United Kingdom; <i>Male</i> : Canada; Croatia; United States																				
JAMAICA																				
Total	2	2	0	0	0	0	0	0	0	0	0	0	1	1	8	0	8	8	1	9
M-1	1												1	1					1	1
F-2+	1	2													8		8	8		8
Other Countr(y/ies): <i>Female</i> : Canada; United States																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gender	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
JAPAN																				
Total	14	3	0	0	0	0	1	1	54	9	63	0	0	0	1	4	5	55	14	69
M-1	10						1	1	53	2	55							53	3	56
F-2+	1	1													1		1	1		1
M-2+	3	2							1	7	8					4	4	1	11	12
Other Country(ies): Female: Canada; Male: United Kingdom; United States																				
KENYA																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
F-2+	1	1											1	1					1	1
Other Country(ies): Female: Denmark																				
LITHUANIA																				
Total	2	2	0	1	1	0	0	0	0	2	2	7	2	9	1	0	1	8	5	13
M-2+	2	2		1	1					2	2	7	2	9	1		1	8	5	13
Other Country(ies): Male: Germany; United States																				
LUXEMBOURG																				
Total	1	1	0	1	1	3	7	10	0	1	1	17	4	21	1	4	5	21	17	38
M-2+	1	1		1	1	3	7	10		1	1	17	4	21	1	4	5	21	17	38
Other Country(ies): Male: United States																				
MEXICO																				
Total	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1
M-1	1						1	1											1	1

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
MONACO																				
Total	1	3	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
F-2+	1	3							1		1							1		1
Other Countr(y/ies): <i>Female</i> : India; Italy; United Kingdom																				
MONTSERAT																				
Total	1	1	0	3	3	0	0	0	0	0	0	2	2	0	1	1	0	6	6	
M-2+	1	1		3	3							2	2		1	1		6	6	
Other Countr(y/ies): <i>Male</i> : United Kingdom																				
MYANMAR (Burma)																				
Total	2	2	0	0	0	0	0	0	1	0	1	1	3	4	0	0	0	2	3	5
M-2+	2	2							1		1	1	3	4				2	3	5
Other Countr(y/ies): <i>Male</i> : United Kingdom; United States																				
NETHERLANDS																				
Total	6	1	0	1	1	0	0	0	1	2	3	1	3	4	3	2	5	5	8	13
M-1	5			1	1				1	2	3		2	2		1	1	1	6	7
M-2+	1	1										1	1	2	3	1	4	4	2	6
Other Countr(y/ies): <i>Male</i> : Canada																				
NEW ZEALAND																				
Total	7	2	19	4	23	2	4	6	5	1	6	2	2	4	3	0	3	31	11	42
M-1	1											1		1				1		1
M-2+	6	2	19	4	23	2	4	6	5	1	6	1	2	3	3		3	30	11	41
Other Countr(y/ies): <i>Male</i> : Australia; United Kingdom																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009			
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	
NORWAY																					
Total	3	0	0	0	0	0	0	0	0	2	2	0	1	1	1	0	1	1	3	4	
M-1	3									2	2		1	1			1		1	3	4
PERU																					
Total	2	1	0	0	0	0	0	0	5	0	5	1	0	1	0	0	0	6	0	6	
F-1	1											1		1				1		1	
M-2+	1	1							5		5							5		5	
Other Country(y/ies): <i>Male</i> : United States																					
POLAND																					
Total	8	3	1	2	3	36	37	73	13	12	25	10	10	20	8	17	25	68	78	146	
M-1	4			1	1	32	27	59	12	12	24	8	6	14	6	15	21	58	61	119	
M-2+	4	3	1	1	2	4	10	14	1		1	2	4	6	2	2	4	10	17	27	
Other Country(y/ies): <i>Male</i> : France; United Kingdom; United States																					
PORTUGAL																					
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1		
M-1	1														1	1		1	1		
ROMANIA																					
Total	2	2	0	0	0	0	1	1	2	0	2	0	0	0	0	0	0	2	1	3	
M-2+	2	2					1	1	2		2							2	1	3	
Other Country(y/ies): <i>Male</i> : France; United States																					
ROME, ANCIENT																					
Total	4	0	0	0	0	1	2	3	4	2	6	1	1	2	2	6	8	8	11	19	
M-1	4					1	2	3	4	2	6	1	1	2	2	6	8	8	11	19	

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
RUSSIA																				
Total	48	4	2	32	34	35	60	95	57	72	129	47	47	94	53	66	119	194	277	471
M-1	37		2	26	28	8	16	24	11	15	26	6	8	14	16	51	67	43	116	159
F-2+	2	1					4	4	2		2		2	2	1	2	3	3	8	11
M-2+	9	4		6	6	27	40	67	44	57	101	41	37	78	36	13	49	148	153	301
Other Countr(y/ies): <i>Both</i> : United States; <i>Male</i> : France; Switzerland; United Kingdom																				
SANTA LUCIA																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
M-2+	1	1													1	1	2	1	1	2
Other Countr(y/ies): <i>Male</i> : Trinidad & Tobago																				
SINGAPORE																				
Total	1	1	0	7	7	4	4	8	2	6	8	8	18	26	7	6	13	21	41	62
M-2+	1	1		7	7	4	4	8	2	6	8	8	18	26	7	6	13	21	41	62
Other Countr(y/ies): <i>Male</i> : United Kingdom																				
SOUTH AFRICA																				
Total	4	4	0	1	1	7	12	19	14	13	27	16	10	26	14	13	27	51	49	100
F-1	1											3		3				3		3
F-2+	1	1										3		3				3		3
M-2+	2	3		1	1	7	12	19	14	13	27	10	10	20	14	13	27	45	49	94
Other Countr(y/ies): <i>Female</i> : Botswana; <i>Male</i> : France; United Kingdom; United States																				
SOUTH AMERICA (general)																				
Total	1	1	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2
M-2+	1	1					2	2											2	2
Other Countr(y/ies): <i>Male</i> : United Kingdom																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
SPAIN																				
Total	6	1	0	4	4	0	2	2	0	5	5	0	3	3	12	4	16	12	18	30
F-1	1														11		11	11		11
M-1	4			3	3		2	2		5	5		3	3	1	4	5	1	17	18
M-2+	1	1		1	1														1	1
Other Countr(y/ies): Male: United States																				
SRI LANKA																				
Total	1	1	2	5	7	5	24	29	103	37	140	14	17	31	13	7	20	137	90	227
M-2+	1	1	2	5	7	5	24	29	103	37	140	14	17	31	13	7	20	137	90	227
Other Countr(y/ies): Male: United Kingdom																				
SWEDEN																				
Total	6	0	0	0	0	2	0	2	0	2	2	1	2	3	0	0	0	3	4	7
F-1	1									1	1								1	1
M-1	5					2		2		1	1	1	2	3				3	3	6
SWITZERLAND																				
Total	9	5	0	1	1	3	6	9	1	8	9	4	3	7	1	2	3	9	20	29
M-1	3					1		1					1	1		1	1	1	2	3
M-2+	6	5		1	1	2	6	8	1	8	9	4	2	6	1	1	2	8	18	26
Other Countr(y/ies): Male: France; Germany; Russia; United Kingdom; United States																				
THAILAND																				
Total	1		0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1
M-1	1								1		1							1		1

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
TRINIDAD & TOBAGO																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2
M-2+	1	1													1	1	2	1	1	2
Other Countr(y/ies): <i>Male</i> : Santa Lucia																				
UKRAINE																				
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	0	4	4
M-1	1														4	4	4		4	4
UNITED KINGDOM																				
Total	495	28	88	210	298	198	451	649	403	487	890	347	560	907	410	502	912	1,446	2,210	3,656
F-1	68		1	9	10	8	28	36	30	32	62	46	49	95	37	39	76	122	157	279
M-1	317		58	130	188	130	274	404	148	272	420	200	374	574	242	339	581	778	1,389	2,167
F-2+	17	9				5	1	6	20	8	28	16	12	28	16	10	26	57	31	88
M-2+	93	23	29	71	100	55	148	203	205	175	380	85	125	210	115	114	229	489	633	1,122
Other Countr(y/ies): <i>Both</i> : Canada; France; India; United States; <i>Female</i> : Domenica; Iran; Italy; Monaco; Zimbabwe; <i>Male</i> : Argentina; Australia; China; Czech Rep; Egypt; Eire; Germany; Japan; Montserrat; Myanmar; New Zealand; Poland; Russia; Singapore; South Africa; South America; Sri Lanka; Switzerland; Zambia																				

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009		
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum
UNITED STATES																				
Total	1084	27	78	244	322	493	705	1,198	1,203	964	2,167	1,436	778	2,214	1,355	794	2,149	4,565	3,485	8,050
F-1	219		1	11	12	52	36	88	280	152	432	289	92	381	442	238	680	1,064	529	1,593
M-1	733		69	178	247	363	518	881	787	644	1,431	910	552	1,462	735	448	1,183	2,864	2,340	5,204
F-2+	24	10		2	2	3	8	11	11	5	16	83	17	100	37	18	55	134	50	184
M-2+	108	24	8	53	61	75	143	218	125	163	288	154	117	271	141	90	231	503	566	1,069
			Other Country(y/ies): <i>Both</i> : Australia; Canada; Eire; France; Hungary; Russia; United Kingdom; <i>Female</i> : Belgium; Cuba; Jamaica; <i>Male</i> : Angola; Argentina; Austria; China; Germany; India; Italy; Japan; Lithuania; Luxembourg; Myanmar; Peru; Poland; Romania; South Africa; Spain; Switzerland																	
URUGUAY																				
Total	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	1
M-1	1														1		1	1		1
ZAMBIA (Northern Rhodesia)																				
Total	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	
M-2+	1	1													1	1		1	1	
			Other Country(y/ies): <i>Male</i> : United Kingdom																	
ZIMBABWE (Southern Rhodesia)																				
Total	1	2	0	0	0	4	0	4	12	7	19	7	8	15	1	3	4	24	18	42
F-2+	1	2				4		4	12	7	19	7	8	15	1	3	4	24	18	42
			Other Country(y/ies): <i>Female</i> : Iran, United Kingdom																	

APPENDIX H (continued):

Primary Authors Referenced: National or Country Affiliations: Number of References, in *Extrapolation* by Decade

Gen-der	# Au	# O Co	1-10: 1959-1969			11-20: 1969-1979			21-30: 1980-1989			31-40: 1990-1999			41-50: 2000-2009			1-50: 1959-2009			
			For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	For	Inf	Sum	
UNKNOWN COUNTRY AFFILIATION(S)																					
Total	291	0	3	7	10	12	50	62	53	67	120	30	58	88	74	94	168	172	276	448	
F-0	18					1	1	2	1	2	3	4	2	6	6	4	10	12	9	21	
M-0	44		1	1	2	4	3	7	6	14	20	9	2	11	7	4	11	27	24	51	
UG-0	9					1	5	6	3	2	5							4	7	11	
UPS-0	35		1	2	3		3	3	32	5	37	3	8	11	39	25	64	75	43	118	
UGP-0	16						1	1	3		3	2	4	6	3	10	13	8	15	23	
Anon Wks-0; UGAE-0	167		1	4	5	6	37	43	8	44	52	12	42	54	19	51	70	46	178	224	

Reference Abbreviations: **For:** Formal References; **Inf:** Informal References.

Primary Author Abbreviations: **F:** Female; **M:** Male; **GU:** Unknown gender; **UPS:** Pseudonymous authors (Unknown real name; unknown gender); **UGP:** Collective groups (e.g., Beatles); **UGAE:** groups of Anonymous editors, co-authors, and/or adaptors; **Anon Wks:** Anonymous Works. **# PWk Au:** Number of Primary Work Authors (by gender) affiliated with a single country or with multiple countries.

Gender and Country/National Affiliation Abbreviations: **# O(ther) Co:** # Other Countries; **F-0, M-0, UG-0, UPS-0, or UX-0:** No country and/or national affiliation known; **F-1 or M-1:** One country or national affiliation; **F-2+ or M-2+:** Multiple (2 or more) country or national affiliations, i.e., the country listed and one or more other countries are affiliated with one or more other individuals.

Appendix I -- Part A.1.: Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Authors, Named: Female, Male, Gender Unknown, Pseudonymous, and Collective Groups																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035		172	498	670	124	382	480	6,554	6,539	13,093	3,965	3,811	6,772	
Wells, H. G.	M	1	R: 01	33	35	68	6	17	20	132	196	328	26	44	52	R: 03
Butler, Samuel	M	1	R: 02	17	3	20	2	1	2	21	7	28	2	1	2	R: 59
Huxley, Aldous	M	1	R: 03		17	17		5	5	20	66	86	6	6	8	R: 21
Borges, Jorge Luis	M	1	R: 04	4	9	13	4	8	10	40	24	64	28	15	34	R: 30
Griffith, George	M	1	R: 05	10	2	12	10	2	12	10	3	13	10	2	12	R: 74
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	R: 05	2	10	12	2	7	9	380	139	519	82	49	90	R: 02
Mitchell, Silas Weir	M	1	R: 06	10		10	10		10	10		10	10		10	R: 77
Orwell, George	M	1	R: 06		10	10		2	2	22	65	87	2	3	3	R: 20
Priestley, J. B.	M	1	R: 06		10	10		10	10		10	10		10	10	R: 77
Rousseau, Victor	M	1	R: 06	3	7	10	1	6	6	3	8	11	1	6	6	R: 76

Appendix I -- Part A.1. (continued):																
Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Authors, Female:																
02 Refs	F	6	R: 13		12	12		9	9	148	96	244	68	34	90	R: 85
01 Ref	F	12	R: 14	2	10	12	2	10	12	43	42	85	19	23	35	R: 86
Authors, Female, ALL:		18		2	22	24	2	19	21	191	138	329	87	57	125	
Authors, Male:																
09 Refs	M	2	R: 07	2	16	18	2	5	6	70	94	164	22	20	28	R: 78
07 Refs	M	6	R: 08	3	39	42	2	22	23	249	230	479	106	100	155	R: 80
06 Refs	M	1	R: 09		6	6		6	6	140	139	279	57	55	86	R: 81
05 Refs	M	6	R: 10	11	19	30	10	17	21	43	81	124	19	45	54	R: 82
04 Refs	M	14	R: 11	12	44	56	11	27	36	166	297	453	87	94	152	R: 83
03 Refs	M	17	R: 12	11	40	51	11	30	39	189	238	427	104	126	189	R: 84
02 Refs	M	53	R: 13	28	78	106	27	67	88	307	467	774	204	248	361	R: 85
01 Ref	M	152	R: 14	23	129	152	23	129	152	910	1184	2094	506	619	941	R: 86
Authors, Male, ALL:		261		169	474	643	121	361	457	2,712	3,248	5,950	1,272	1,443	2,193	
Authors, UG, PS, & Group:																
02 Refs	U	1	R: 13	1	1	2	1	1	1	15	7	22	14	3	15	R: 85

Appendix I -- Part A.1. (continued):																
Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
01 Ref	U	1	R: 14		1	1		1	1		1	1		1	1	R: 86
<i>Authors, UG, PS, & Group, ALL:</i>		2		1	2	3	1	2	2	15	8	23	14	4	16	
Authors, ALL: This Decade		281		172	498	670	124	382	480	2918	3394	6302	1373	1504	2334	
Female Authors: ALL Decades		366		2	22	24	2	19	21	1,443	829	2,272	815	512	1,156	
Male Authors: ALL Decades		1,609		169	474	643	121	361	457	5,024	5,645	10,669	3,065	3,241	5,478	
UG, PS & Collective Group Authors: ALL Decades		60		1	2	3	1	2	2	87	65	152	76	58	129	
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167		1	4	5	1	4	5	46	178	224	37	134	167	
01 Ref		5	R: 14	1	4	5	1	4	5	6	21	27	2	5	5	R: 86

Appendix I -- Part A.1. (continued):																
Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Authors & Anonymous Works, ALL: This Decade		286		173	502	675	125	386	485	2,924	3,415	6,329	1,375	2,509	2,339	
Authors & Anonymous Works, ALL: ALL Decades		2,202		173	502	675	125	386	485	6,600	6,717	13,317	3,993	3,945	6,929	

Note: Abbreviations: **UG**=Unknown Gender; **PS**=Pseudonymous Authors (Unknown Gender); **Anon Wks**=Anonymous Works (e.g., *Beowulf*) or Anonymous Groupings of Co-Authors, Co-Editors, or Adaptors; **aka**=also known as, used for referenced pseudonyms or real names.

Note: Numbers: **# Primary Refs**=Total number of Formal and Informal references made to the primary author or work in either the individual decade or over the five decades; **# Diff P Wks**=total number of different primary works referenced.

Note: The **Rank** is the relative position of an author, anonymous work, or collaboratively authored work or series based on the relative number of references from most the frequent occurrence (maximum: 563 references; Rank: 01; Le Guin with 563 references) to least frequent (1 reference, either in a decade or overall; Rank: 86; 2,052 individuals or works). Overall Ranks from 01 through 55 are discontinuous (563 references down to 33); the overall ranks from 56 through 86 are continuous (31 references down to 1). The number of ranks in a decade vary.

Appendix I -- Part A.2.: Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Authors, Named: Female, Male, Gender Unknown, Pseudonymous, and Collective Groups																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035		772	1,286	2,058	589	856	1,301	6,554	6,539	13,093	3,965	3,811	6,772	
Wells, H. G.	M	1	R: 01	23	52	75	12	15	19	132	196	328	26	44	52	R: 03
Campbell, John W., Jr. [aka: Don A. Stuart]	M	1	R: 02	57	8	65	42	6	45	64	17	81	44	8	47	R: 23
Asimov, Isaac	M	1	R: 03	26	36	62	12	17	25	140	139	279	57	55	86	R: 04
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	R: 04	19	39	58	13	16	23	380	139	519	82	49	90	R: 02
Lem, Stanislaw	M	1	R: 06	25	25	50	19	13	26	51	59	110	29	25	42	R: 11
Farmer, Philip José [aka: Trout, Kilgore]	M	1	R: 07	12	30	42	11	27	34	27	36	63	20	30	41	R: 31
Le Guin, Ursula K.	F	1	R: 08	26	15	41	11	9	16	401	162	563	98	52	105	R: 01
Silverberg, Robert	M	1	R: 09	23	16	39	17	12	25	53	42	95	35	31	51	R: 18
Bradbury, Ray	M	1	R: 10	8	28	36	5	13	16	37	76	113	14	27	32	R: 10

Appendix I -- Part A.2. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Kornbluth, C. M. [aka: 1/2 of Judd, Cyril]	M	1	R: 10	1	35	36	1	26	26	22	52	74	12	26	31	R: 25
Blish, James	M	1	R: 11	12	23	35	7	15	20	33	44	77	20	21	32	R: 24
Herbert, Frank	M	1	R: 12	13	21	34	5	11	12	50	48	98	16	11	19	R: 16
Atwood, Margaret	F	1	R: 13	13	18	31	11	18	29	25	31	56	14	24	35	R: 36
Clarke, Arthur C. [aka: Willis, Charles]	M	1	R: 14	5	24	29	4	8	8	137	90	227	48	34	61	R: 06
Huxley, Aldous	M	1	R: 14	5	24	29	2	3	4	20	66	86	6	6	8	R: 21
Vonnegut, Kurt, Jr.	M	1	R: 14	15	14	29	7	7	9	47	35	82	16	14	20	R: 22
Dick, Philip K.	M	1	R: 15	15	13	28	14	11	22	158	71	229	50	38	64	R: 05
Lewis, C. S.	M	1	R: 16	10	17	27	4	7	7	47	59	106	17	16	23	R: 14
Delany, Samuel R. [aka: Kermit, S. L.]	M	1	R: 17	11	13	24	5	6	7	64	49	113	21	22	30	R: 10
Saberhagen, Fred	M	1	R: 18	21	2	23	12	2	14	22	4	26	13	3	16	R: 61
Pohl, Frederik [aka: MacCreigh, James]	M	1	R: 19	2	20	22	2	12	13	47	49	96	25	28	43	R: 17
Ellison, Harlan	M	1	R: 20	5	15	20	5	12	13	29	40	69	12	24	29	R: 27
Authors, Female:																
13 Refs	F	1	R: 26	5	8	13	1	3	3	31	46	77	2	3	4	R: 74

Appendix I -- Part A.2. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
08 Refs	F	1	R: 31	2	6	8	1	6	7	6	17	23	4	10	10	R: 79
05 Refs	F	1	R: 34	5		5	4		4	15	5	20	13	4	16	R: 82
04 Refs	F	4	R: 35	8	8	16	7	7	13	145	71	216	75	30	85	R: 83
03 Refs	F	5	R: 36	4	11	15	3	8	10	35	21	56	25	12	32	R: 84
02 Refs	F	7	R: 37	5	9	14	5	9	11	38	30	68	25	17	34	R: 85
01 Ref	F	31	R: 38	14	17	31	14	17	31	134	87	221	75	54	107	R: 86
Authors, Female, ALL:		52		82	92	174	57	77	124	830	470	1,300	331	206	428	
Authors, Male:																
19 Refs	M	1	R: 21	7	12	19	5	3	5	44	49	93	11	11	17	R: 68
18 Refs	M	2	R: 22	9	27	36	7	20	25	32	66	98	17	29	38	R: 69
17 Refs	M	4	R: 23	27	41	68	17	28	41	84	78	162	57	43	79	R: 70
16 Refs	M	2	R: 24	2	30	32	2	11	12	49	211	260	19	50	55	R: 71
14 Refs	M	1	R: 25	4	10	14	3	8	9	7	16	23	3	10	10	R: 73
13 Refs	M	2	R: 26	7	19	26	6	11	15	63	112	175	53	76	112	R: 74
12 Refs	M	4	R: 27	20	28	48	15	11	21	60	108	168	25	28	38	R: 75
11 Refs	M	2	R: 28	1	21	22	1	15	16	20	37	57	13	23	31	R: 76
10 Refs	M	3	R: 29	11	19	30	6	8	12	63	59	122	39	16	46	R: 77
09 Refs	M	4	R: 30	18	18	36	17	11	24	50	109	159	36	45	66	R: 78

Appendix I -- Part A.2. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
08 Refs	M	6	R: 31	19	29	48	15	20	30	76	108	184	46	57	89	R: 79
07 Refs	M	4	R: 32	14	14	28	11	6	14	41	63	104	18	10	25	R: 80
06 Refs	M	5	R: 33	6	24	30	6	18	23	19	59	78	15	31	41	R: 81
05 Refs	M	16	R: 34	33	47	80	28	30	52	127	197	324	86	82	143	R: 82
04 Refs	M	19	R: 35	15	61	76	14	40	49	89	228	317	54	103	125	R: 83
03 Refs	M	37	R: 36	34	77	111	31	54	77	162	286	448	111	133	204	R: 84
02 Refs	M	71	R: 37	50	92	142	42	77	108	307	363	670	180	220	335	R: 85
01 Ref	M	265	R: 38	104	161	265	104	161	265	299	499	798	235	354	516	R: 86
Authors, Male, ALL:		468		689	1,185	1,874	529	771	1,166	3,152	3,959	7,111	1,581	1,833	2,786	
Authors, UG, PS, & Group:																
02 Refs	U	1	R: 37		2	2		1	1		2	2		1	1	R: 85
01 Ref	U	8	R: 38	1	7	8	1	7	8	18	13	31	17	9	23	R: 86
Authors, UG, PS, & Group, ALL:		9		1	9	10	1	8	9	18	15	33	17	10	24	
Authors, ALL: This Decade		529		772	1,286	2,058	587	856	1,299	4,000	4,444	8,444	1,929	2,049	3,238	
Female Authors: ALL Decades		366		82	92	174	57	77	124	1,443	829	2,272	815	512	1,156	

Appendix I -- Part A.2. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Male Authors: ALL Decades		1,609		689	1,185	1,874	529	771	1,166	5,024	5,645	10,669	3,065	3,241	5,478	
UG, PS & Collective Group Authors: ALL Decades		60		1	9	10	1	8	9	87	65	152	76	58	129	
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167		6	37	43	6	33	38	46	178	224	37	134	167	
02 Refs		5	R: 37	1	9	10	1	5	5	7	36	43	3	5	5	R: 85
01 Ref		33	R: 38	5	28	33	5	28	33	6	33	39	5	29	33	R: 86
Authors & Anonymous Works, ALL: This Decade		567		778	1,305	2,101	593	889	1,337	4,013	4,513	8,526	1,937	2,083	3,276	
Authors & Anonymous Works, ALL: ALL Decades		2,202		778	1,323	2,101	593	889	1,337	6,600	6,717	13,317	3,993	3,945	6,929	

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

Appendix I -- Part A.3.: Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Authors, Named: Female, Male, Gender Unknown, Pseudonymous, and Collective Groups																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035		1,760	1,614	3,374	1,282	1,190	2,221	6,554	6,539	13,093	3,964	3,811	6,771	
Clarke, Arthur C. [aka: Willis, Charles]	M	1	R: 01	103	37	140	45	21	51	137	90	227	48	34	61	R: 06
Le Guin, Ursula K.	F	1	R: 02	71	52	123	25	18	29	401	162	563	98	52	105	R: 01
Asimov, Isaac	M	1	R: 03	42	52	94	31	32	53	140	139	279	57	55	86	R: 04
Lovecraft, H. P.	M	1	R: 04	25	63	88	21	46	54	60	102	162	32	53	67	R: 09
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	R: 05	36	23	59	25	15	30	380	139	519	82	49	90	R: 02
Wells, H. G.	M	1	R: 06	19	38	57	12	20	25	132	196	328	26	44	52	R: 03
Sheckley, Robert	M	1	R: 07	52	4	56	29	4	33	53	7	60	30	6	36	R: 33
Tiptree, James, Jr. [pso: Sheldon, Alice; aka: Sheldon, Racoon]	F	1	R: 08	39	13	52	22	11	28	64	43	107	27	23	36	R: 13

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Delany, Samuel R. [aka: Kermit, S. L.]	M	1	R: 10	28	19	47	14	14	21	64	49	113	21	22	30	R: 10
King, Stephen	M	1	R: 11	33	11	44	19	11	23	41	18	59	23	16	31	R: 34
Dick, Philip K.	M	1	R: 12	32	10	42	21	8	24	158	71	229	50	38	64	R: 05
Vance, Jack	M	1	R: 13	17	20	37	16	19	35	22	23	45	20	20	37	R: 44
Hoshi Shinichi	M	1	R: 14	34		34	32		32	34		34	32		32	R: 54
Williamson, Jack	M	1	R: 14	27	7	34	22	6	26	47	26	73	32	21	45	R: 26
Herbert, Frank	M	1	R: 15	13	17	30	9	6	11	50	48	98	16	11	19	R: 16
Shakespeare, William	M	1	R: 16	3	26	29	2	12	12	27	146	173	17	47	52	R: 08
Silverberg, Robert	M	1	R: 16	9	20	29	9	19	25	53	42	95	35	31	51	R: 18
Simak, Clifford	M	1	R: 17	27	1	28	25	1	26	34	33	67	27	23	44	R: 29
Blish, James	M	1	R: 18	16	11	27	12	10	20	33	44	77	20	21	32	R: 24
Burroughs, Edgar Rice	M	1	R: 18	11	16	27	8	16	23	24	31	55	17	18	30	R: 37
Lewis, C. S.	M	1	R: 19	14	12	26	7	7	9	47	59	106	17	16	23	R: 14
Tolkien, J. R. R. [John Ronald Reuel]	M	1	R: 19	13	13	26	8	3	9	44	49	93	11	11	17	R: 19
Smith, Cordwainer [pso: Linebarger, Paul M. A.; aka: d'Este, Anthony; Forrest, Felix C.]	M	1	R: 20	24	1	25	12	1	12	44	9	53	19	7	21	R: 39

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Borges, Jorge Luis	M	1	R: 21	18	6	24	15	6	19	40	24	64	28	15	34	R: 30
Lem, Stanisław	M	1	R: 21	12	12	24	8	10	15	51	59	110	29	25	42	R: 11
Harrison, Harry	M	1	R: 22	4	19	23	3	13	16	12	28	40	10	19	26	R: 49
Hawthorne, Nathaniel	M	1	R: 22	2	21	23	2	14	16	4	32	36	4	15	17	R: 52
Orwell, George	M	1	R: 22	7	16	23	2	3	3	22	65	87	2	3	3	R: 20
Sturgeon, Theodore	M	1	R: 22	9	14	23	7	8	12	22	26	48	14	14	22	R: 42
Zelazny, Roger	M	1	R: 22	9	14	23	9	11	17	29	79	108	26	53	68	R: 12
Cherryh, C. J. [Carolyn Janice]	F	1	R: 23	12	8	20	9	8	17	16	9	25	13	9	21	R: 62
Authors, Female:																
19 Refs	F	1	R: 24	12	7	19	9	5	9	24	18	42	13	8	14	R: 68
18 Refs	F	1	R: 25	7	11	18	1	2	2	31	46	77	2	3	4	R: 69
17 Refs	F	1	R: 26	11	6	17	5	3	6	36	24	60	12	8	16	R: 70
16 Refs	F	1	R: 27	8	8	16	4	2	5	21	15	36	4	5	6	R: 71
14 Refs	F	1	R: 29	12	2	14	9	2	9	16	4	20	10	3	10	R: 73
13 Refs	F	2	R: 30	22	4	26	19	3	21	29	9	38	25	6	29	R: 74
12 Refs	F	1	R: 31	6	6	12	5	6	11	9	12	21	8	12	19	R: 75
11 Refs	F	2	R: 32	4	18	22	3	17	20	11	30	41	8	23	26	R: 76

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
10 Refs	F	1	R: 33	7	3	10	4	3	6	31	21	52	15	11	15	R: 77
09 Refs	F	2	R: 34	9	9	18	6	8	13	23	19	42	13	13	23	R: 78
08 Refs	F	2	R: 35	11	5	16	10	4	12	38	11	49	21	8	25	R: 79
07 Refs	F	1	R: 36	7		7	7		7	8	4	12	8	3	8	R: 80
06 Refs	F	5	R: 37	16	14	30	15	12	23	110	41	151	70	21	81	R: 81
05 Refs	F	3	R: 38	11	4	15	8	4	11	25	13	38	12	9	17	R: 82
04 Refs	F	5	R: 39	14	6	20	11	6	16	26	12	38	17	11	23	R: 83
03 Refs	F	5	R: 40	9	6	15	8	4	11	28	17	45	19	14	28	R: 84
02 Refs	F	10	R: 41	18	2	20	12	2	14	29	14	43	17	11	24	R: 85
01 Ref	F	63	R: 42	38	25	63	38	25	63	79	58	137	66	52	107	R: 86
Authors, Female, ALL:		110		344	209	553	230	145	333	1,055	582	1,637	478	305	637	
Authors, Male:																
19 Refs	M	2	R: 24	15	23	38	6	12	13	60	111	171	19	31	37	R: 68
18 Refs	M	2	R: 25	17	19	36	14	15	26	28	33	61	18	21	33	R: 69
15 Refs	M	4	R: 28	36	24	60	32	20	48	84	77	161	55	50	90	R: 72
14 Refs	M	4	R: 29	32	24	56	17	12	24	85	137	222	33	45	63	R: 73
13 Refs	M	5	R: 30	35	30	65	19	13	24	50	76	126	20	16	28	R: 74
12 Refs	M	7	R: 31	41	43	84	23	27	38	161	213	374	78	85	128	R: 75

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
11 Refs	M	2	R: 32	10	12	22	7	8	11	31	61	92	14	31	37	R: 76
10 Refs	M	5	R: 33	20	30	50	9	8	14	64	81	145	30	18	36	R: 77
09 Refs	M	8	R: 34	40	32	72	23	26	49	48	55	103	27	32	52	R: 78
08 Refs	M	9	R: 35	25	47	72	19	33	43	94	219	313	59	105	135	R: 79
07 Refs	M	12	R: 36	25	59	84	23	44	59	163	173	336	112	90	176	R: 80
06 Refs	M	9	R: 37	39	15	54	30	10	39	104	56	260	77	39	106	R: 81
05 Refs	M	15	R: 38	40	35	75	40	25	60	57	71	128	52	42	82	R: 82
04 Refs	M	37	R: 39	62	86	148	55	67	107	185	291	476	117	155	225	R: 83
03 Refs	M	50	R: 40	65	85	150	53	68	112	179	266	445	122	149	232	R: 84
02 Refs	M	99	R: 41	77	121	198	67	104	162	291	353	644	195	225	360	R: 85
01 Ref	M	370	R: 42	160	210	370	160	210	370	421	609	1030	349	439	706	R: 86
Authors, Male, ALL:		668		1,378	1,398	2,776	1,022	1,038	1,851	3,909	4,516	8,525	2,122	2,260	3,658	
Authors, UG, PS, & Group:																
15 Refs	U	1	R: 28	14	1	15	6	1	6	14	2	16	6	2	7	R: 72
11 Refs	U	1	R: 32	11		11	11		11	11		11	11		11	R: 76
05 Refs		1	R: 38	4	1	5	4	1	5	7	6	13	6	5	10	R: 82

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
03 Refs	U	1	R: 40	3		3	3		3	3		3	3		3	R: 84
01 Ref	U	11	R: 42	6	5	11	6	5	11	22	13	35	20	9	26	R: 86
<i>Authors, UG, PS, & Group, ALL:</i>		15		38	7	45	30	7	36	57	21	78	46	16	57	
Authors, ALL: This Decade		793		1,760	1,614	3,374	1,282	1,190	2,220	5,021	5,119	10,240	2,646	2,581	4,352	
Female Authors: ALL Decades		366		344	209	553	230	145	333	1,443	829	2,272	815	512	1,156	
Male Authors: ALL Decades		1,609		1,378	1,398	2,776	1,022	1,038	1,851	5,024	5,645	10,669	3,065	3,241	5,478	
UG, PS & Collective Group Authors: ALL Decades		60		38	7	45	30	7	36	87	65	152	76	58	129	

Appendix I -- Part A.3. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167		8	44	52	6	41	46	46	178	224	37	134	167	
<i>Beowulf</i> . 8th c.		1	R: 38	1	4	5	1	1	1	4	15	19	1	1	1	R: 68
<i>Mabinogion, The</i> . [ca. 1325; English: 1849.]		1	R: 40	3		3	1		1	3		3	1		1	R: 84
01 Ref		44		4	40	44	4	40	44	8	59	67	6	40	44	R: 86
Authors & Anonymous Works, ALL: This Decade		839		1,768	1,658	3,426	1,289	1,231	2,267	5,036	5,193	10,329	2,655	2,622	4,399	
Authors & Anonymous Works, ALL: ALL Decades		2,202		1,768	1,658	3,426	1,289	1,231	2,267	6,600	6,717	13,317	3,993	3,945	6,929	
Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).																

Appendix I -- Part A.4.: Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Authors, Named: Female, Male, Gender Unknown, Pseudonymous, and Collective Groups																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035		1,890	1,542	3,432	1,416	1,197	2,387	6,554	6,539	13,093	3,965	3,811	6,772	
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	R: 01	146	35	181	62	28	67	380	139	519	82	49	90	R: 02
Le Guin, Ursula K.	F	1	R: 02	91	19	110	45	14	50	401	162	563	98	52	105	R: 01
Shakespeare, William	M	1	R: 03	16	88	104	12	40	44	27	146	173	17	47	52	R: 08
Merril, Judith [aka: Sharon, Rose; 1/2 of Judd, Cyril]	F	1	R: 04	70	10	80	45	7	49	82	22	104	48	10	51	R: 15
Asimov, Isaac	M	1	R: 06	36	34	70	17	20	28	140	139	279	57	55	86	R: 04
Wells, H. G.	M	1	R: 07	32	35	67	12	19	23	132	196	328	26	44	52	R: 03
Dick, Philip K.	M	1	R: 09	47	11	58	26	10	30	158	71	229	50	38	64	R: 05
Zelazny, Roger	M	1	R: 10	10	45	55	9	41	48	29	79	108	26	53	68	R: 12
Howard, Robert E.	M	1	R: 11	42	1	43	23	1	24	42	4	46	23	1	24	R: 43
Gunn, James	M	1	R: 12	34	7	41	30	7	37	36	8	44	30	8	37	R: 45

Appendix I -- Part A.4. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Weiss, Jan	M	1	R: 13	12	28	40	8	23	30	12	28	40	8	23	30	R: 49
Pohl, Frederik [aka: MacCreigh, James]	M	1	R: 14	27	12	39	19	7	21	47	49	96	25	28	43	R: 17
Gibson, William	M	1	R: 15	27	8	35	8	4	10	49	19	68	12	6	14	R: 28
Williamson, Jack	M	1	R: 16	19	14	33	14	13	23	47	26	73	32	21	45	R: 26
Clarke, Arthur C. [aka: Willis, Charles]	M	1	R: 17	14	17	31	7	13	17	137	90	227	48	34	61	R: 06
Bear, Greg	M	1	R: 18	12	17	29	10	15	18	18	18	36	14	15	21	R: 52
Ellison, Harlan	M	1	R: 18	15	14	29	9	11	18	29	40	69	12	24	29	R: 27
Bradbury, Ray	M	1	R: 19	10	18	28	4	13	15	37	76	113	14	27	32	R: 10
Verne, Jules	M	1	R: 20	7	20	27	6	14	15	35	39	74	22	21	34	R: 25
Ballard, J. G. [James Graham]	M	1	R: 21	8	18	26	7	17	23	21	41	62	18	29	39	R: 32
Haldeman, Joe	M	1	R: 22	14	10	24	14	10	22	27	16	43	17	14	27	R: 46
Leiber, Fritz	M	1	R: 22	17	7	24	13	7	20	24	16	40	19	14	32	R: 49
Melville, Herman	M	1	R: 22	5	19	24	2	13	13	12	34	46	4	14	14	R: 43
Herbert, Frank	M	1	R: 23	15	8	23	10	2	10	50	48	98	16	11	19	R: 16
van Vogt, A. E. [Alfred Elton]	M	1	R: 23	15	8	23	10	5	12	20	26	46	13	13	21	R: 43
Bester, Alfred	M	1	R: 24	14	8	22	13	7	17	19	23	42	14	9	19	R: 47

Appendix I -- Part A.4. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Dunsany, Edward John Moreton Drax Plunkett, Lord	M	1	R: 24	3	19	22	3	17	20	6	23	29	5	20	24	R: 58
Vonnegut, Kurt, Jr.	M	1	R: 24	15	7	22	9	7	13	47	35	82	16	14	20	R: 22
Gernsback, Hugo	M	1	R: 25	17	4	21	13	1	13	21	17	38	13	4	14	R: 51
MacDonald, George	M	1	R: 25	9	12	21	6	10	11	17	26	43	7	14	15	R: 46
Miller, Walter M., Jr.	M	1	R: 25	17	4	21	7	3	9	27	19	46	8	3	10	R: 43
Orwell, George	M	1	R: 25	9	12	21	2	2	2	22	65	87	2	3	3	R: 20
Silverberg, Robert	M	1	R: 25	16	5	21	16	5	20	53	42	95	35	31	51	R: 18
Calvino, Italo	M	1	R: 26	6	14	20	4	14	17	7	15	22	4	15	18	R: 65
Doyle, Arthur Conan, Sir	M	1	R: 26	3	17	20	3	13	15	5	28	33	5	17	20	R: 55
Shelley, Mary Wollstonecraft	F	1	R: 26	10	10	20	2	2	3	31	46	77	2	3	3	R: 24
Swift, Jonathan	M	1	R: 26	4	16	20	4	3	6	10	44	54	6	5	10	R: 38
Tolkien, J. R. R. [John Ronald Reuel]	M	1	R: 26	10	10	20	6	6	10	44	49	93	11	11	17	R: 19
Wolfe, Gene	M	1	R: 26	14	6	20	14	6	20	27	11	38	17	7	23	R: 51
Authors, Female:																
18 Refs	F	1	R: 28	10	8	18	9	6	14	11	8	19	9	6	14	R: 69

Appendix I -- Part A.4. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
15 Refs	F	1	R: 31	7	8	15	6	6	9	24	18	42	13	8	14	R: 72
14 Refs	F	1	R: 32	14		14	12		12	64	43	107	27	23	36	R: 73
12 Refs	F	1	R: 34	9	3	12	5	3	7	16	11	27	11	4	13	R: 75
11 Refs	F	2	R: 35	17	5	22	17	5	20	21	14	35	19	11	26	R: 76
10 Refs	F	2	R: 36	15	5	20	9	3	11	48	24	72	20	8	24	R: 77
09 Refs	F	2	R: 37	17	1	18	16	1	16	40	10	50	24	8	29	R: 78
08 Refs	F	2	R: 38	9	7	16	9	7	16	9	7	16	9	7	16	R: 79
07 Refs	F	2	R: 39	8	6	14	8	6	14	14	14	28	13	14	26	R: 80
06 Refs	F	3	R: 40	8	10	18	7	7	11	10	15	25	7	9	12	R: 81
05 Refs	F	5	R: 41	19	6	25	16	5	19	49	44	93	35	36	66	R: 82
04 Refs	F	9	R: 42	22	14	36	19	10	26	68	33	101	37	18	43	R: 83
03 Refs	F	14	R: 43	32	10	42	31	8	37	74	22	96	52	11	54	R: 84
02 Refs	F	26	R: 44	32	20	52	30	19	46	108	79	187	73	55	103	R: 85
01 Ref	F	84	R: 45	51	33	84	51	33	84	135	72	207	109	59	158	R: 86
Authors, Female, ALL:		158		441	175	616	337	142	444	1,205	644	1,849	606	342	794	
Authors, Male:																
19 Refs	M	2	R: 27	21	17	38	12	12	22	39	30	69	19	21	33	R: 68
18 Refs	M	5	R: 28	58	32	90	46	22	66	76	104	180	53	52	94	R: 69

Appendix I -- Part A.4. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
17 Refs	M	2	R: 29	24	10	34	20	6	25	77	71	148	42	27	54	R: 70
16 Refs	M	1	R: 30	6	10	16	6	9	15	60	102	162	32	53	67	R: 71
15 Refs	M	3	R: 31	22	23	45	20	17	34	48	68	116	36	44	66	R: 72
14 Refs	M	3	R: 32	15	27	42	12	25	34	89	119	208	53	62	92	R: 73
13 Refs	M	3	R: 33	17	22	39	10	19	28	29	85	114	12	25	28	R: 74
12 Refs	M	4	R: 34	13	35	48	9	10	17	60	135	195	24	35	45	R: 75
11 Refs	M	5	R: 35	39	16	55	35	9	42	76	66	142	52	24	69	R: 76
10 Refs	M	2	R: 36	8	12	20	7	9	14	9	19	28	8	10	16	R: 77
09 Refs	M	9	R: 37	57	24	81	53	18	68	87	72	159	66	36	92	R: 78
08 Refs	M	2	R: 38	8	8	16	4	5	7	11	27	38	4	8	8	R: 79
07 Refs	M	7	R: 39	25	24	49	22	13	33	112	116	228	66	47	89	R: 80
06 Refs	M	15	R: 40	51	39	90	42	36	72	178	176	354	92	89	145	R: 81
05 Refs	M	14	R: 41	33	37	70	30	31	53	114	146	260	59	79	113	R: 82
04 Refs	M	33	R: 42	57	75	132	50	62	101	251	266	517	165	139	259	R: 83
03 Refs	M	38	R: 43	55	59	114	52	55	99	240	213	453	149	128	243	R: 84
02 Refs	M	99	R: 44	90	108	198	84	89	158	250	388	638	199	217	354	R: 85
01 Ref	M	297	R: 45	128	169	297	128	169	297	324	528	852	275	376	579	R: 86
Authors, Male, ALL:		580		1,444	1,355	2,799	1,074	1,043	1,926	3,944	4,476	8,420	2,134	2,214	3,624	

Appendix I -- Part A.4. (continued):																
Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Authors, UG, PS, & Group:																
03 Refs	U	1	R: 43	2	1	3	2	1	3	7	6	13	6	5	10	R: 84
02 Refs	U	2	R: 44		4	4		4	4		5	5		5	5	R: 85
01 Ref	U	10	R: 45	3	7	10	3	7	10	33	16	49	23	11	31	R: 86
Authors, UG, PS, & Group, ALL:		13		5	12	17	5	12	17	40	27	67	29	21	46	
Authors, ALL: This Decade		751		1,890	1,542	3,432	1,416	1,197	2,387	5,189	5,147	10,336	2,769	2,577	4,464	
Female Authors: ALL Decades		366		441	175	616	337	142	444	1,443	829	2,272	815	512	1,156	
Male Authors: ALL Decades		1,609		1,444	1,355	2,799	1,074	1,043	1,926	5,024	5,645	10,669	3,065	3,241	5,478	
UG, PS & Collective Group Authors: ALL Decades		60		5	12	17	5	12	17	87	65	152	76	58	129	

Appendix I -- Part A.4. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167		12	42	54	12	36	46	46	178	224	37	134	167	
<i>Beowulf</i> . 8th c.		1	R: 41	1	4	5	1	1	1	4	15	19	1	1	1	R: 68
<i>Sir Gawain and the Green Knight</i> . 2nd half 14th c; approx. 1375.		1	R: 42	1	3	4	1	1	1	1	8	9	1	1	1	R: 78
<i>Arabian Nights, The</i> . 15th c.		1	R: 44		2	2		1	1		7	7		1	1	R: 80
01 Ref		43	R: 45	10	33	43	10	33	43	10	41	51	9	34	42	R: 86
Authors & Anonymous Works, ALL: This Decade		796		1,902	1,584	3,486	1,428	1,233	2,433	5,204	5,218	10,442	3,780	2,614	4,509	
Authors & Anonymous Works, ALL: ALL Decades		2,202		1,902	1,584	3,486	1,428	1,233	2,433	6,600	6,717	13,317	3,993	3,945	6,929	
Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).																

Appendix I -- Part A.5.: Most Frequently Referenced Primary Authors and Works: Number of References Total, and Number of Different Works Referenced: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Authors, Named: Female, Male, Gender Unknown, Pseudonymous, and Collective Groups																
Authors, Female, Male, UG, PS, & Group: ALL Decades:		2,035		1,960	1,599	3,559	1,352	1,245	2,341	6,554	6,539	13,093	3,965	3,811	6,772	
Le Guin, Ursula K.	F	1	R: 01	213	76	289	80	39	87	401	162	563	98	52	105	R: 01
Heinlein, Robert A. [aka: MacDonald, Anson]	M	1	R: 02	177	32	209	70	23	73	380	139	519	82	49	90	R: 02
Dick, Philip K.	M	1	R: 03	64	36	100	34	27	48	158	71	229	50	38	64	R: 05
Miéville, China	M	1	R: 04	44	19	63	13	13	22	44	19	63	13	13	22	R: 31
Wells, H. G.	M	1	R: 05	25	36	61	8	13	16	132	196	328	26	44	52	R: 03
Lovecraft, H. P.	M	1	R: 06	29	26	55	22	24	39	60	102	162	32	53	67	R: 09
Asimov, Isaac	M	1	R: 07	36	11	47	25	8	27	140	139	279	57	55	86	R: 04
Butler, Octavia E.	F	1	R: 08	23	17	40	12	10	14	31	21	52	15	11	15	R: 40
Tiptree, James, Jr. [pso: Sheldon, Alice; aka: Sheldon, Racoon]	F	1	R: 08	10	30	40	8	17	19	64	43	107	27	23	36	R: 13
Wyndham, John	M	1	R: 08	17	23	40	10	15	19	20	36	56	11	19	23	R: 36

Appendix I -- Part A.5. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Delany, Samuel R. [aka: Kermit, S. L.]	M	1	R: 09	22	13	35	12	10	16	64	49	113	21	22	30	R: 10
Gibson, William	M	1	R: 10	22	9	31	8	4	10	49	19	68	12	6	14	R: 28
Bleek, Gordon Clive [aka: Belli, Luigi]	M	1	R: 11	5	25	30	3	25	28	5	25	30	3	25	28	R: 57
Verne, Jules	M	1	R: 11	22	8	30	16	8	21	35	39	74	22	21	34	R: 25
Villiers de l'Isle-Adam, Jean-Marie-Mathias- Philippe-Auguste	M	1	R: 11	7	23	30	2	18	18	7	23	30	2	18	18	R: 57
Robinson, Kim Stanley	M	1	R: 13	17	11	28	11	5	15	21	13	34	11	6	15	R: 54
Russ, Joanna	F	1	R: 13	16	12	28	7	6	10	36	24	60	12	8	16	R: 33
Campbell, Ramsay	M	1	R: 14	2	25	27	2	24	26	3	26	29	3	25	28	R: 58
Lewis, C. S.	M	1	R: 14	15	12	27	14	9	22	47	59	106	17	16	23	R: 14
Tolkien, J. R. R. [John Ronald Reuel]	M	1	R: 14	14	13	27	9	4	9	44	49	93	11	11	17	R: 19
Bradbury, Ray	M	1	R: 15	14	12	26	8	9	14	37	76	113	14	27	32	R: 10
Moorcock, Michael	M	1	R: 15	16	10	26	11	10	21	23	16	39	15	15	28	R: 50
Ryman, Geoff	M	1	R: 15	25	1	26	11	1	12	25	1	26	11	1	12	R: 61
Shelley, Mary Wollstonecraft	F	1	R: 17	9	15	24	2	2	3	31	46	77	2	3	3	R: 24

Appendix I -- Part A.5. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Shakespeare, William	M	1	R: 18	7	16	23	5	10	14	27	146	173	17	47	52	R: 08
Simak, Clifford	M	1	R: 18	3	20	23	1	19	19	34	33	67	27	23	44	R: 29
Lem, Stanisław	M	1	R: 19	6	15	21	3	11	13	51	59	110	29	25	42	R: 11
Atwood, Margaret	F	1	R: 20	9	11	20	2	6	6	25	31	56	14	24	35	R: 36
Clarke, Arthur C. [aka: Willis, Charles]	M	1	R: 20	13	7	20	7	5	10	137	90	227	48	34	61	R: 06
Authors, Female:																
19 Refs	F	1	R: 21	16	3	19	5	3	8	30	9	39	15	7	19	R: 68
16 Refs	F	2	R: 23	22	10	32	9	6	11	39	25	64	12	9	15	R: 71
15 Refs	F	1	R: 24	3	12	15	3	12	15	3	12	15	3	12	15	R: 72
14 Refs	F	2	R: 25	18	10	28	13	9	21	26	12	38	16	11	24	R: 73
13 Refs	F	2	R: 26	11	15	26	9	12	19	19	18	37	15	15	26	R: 74
12 Refs	F	2	R: 27	12	12	24	8	11	16	87	32	119	51	19	62	R: 75
11 Refs	F	1	R: 28	11		11	11		11	11		11	11		11	R: 76
08 Refs	F	3	R: 31	21	3	24	14	3	17	26	3	29	14	3	17	R: 79
07 Refs	F	3	R: 32	14	7	21	11	4	14	35	27	62	24	20	38	R: 80
06 Refs	F	6	R: 33	25	11	36	22	6	24	31	12	43	26	7	28	R: 81
05 Refs	F	2	R: 34	8	2	10	6	2	8	9	3	12	6	3	8	R: 82

Appendix I -- Part A.5. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
04 Refs	F	8	R: 35	22	10	32	18	8	24	54	25	79	35	14	40	R: 83
03 Refs	F	10	R: 36	23	7	30	19	7	24	45	20	65	33	16	43	R: 84
02 Refs	F	20	R: 37	22	18	40	21	15	33	65	62	127	50	43	80	R: 85
01 Ref	F	116	R: 38	66	50	116	66	50	116	155	100	255	136	83	203	R: 86
Authors, Female, ALL:		185		574	331	905	346	228	500	1,223	687	1,910	615	383	840	
Authors, Male:																
17 Refs	M	5	R: 22	25	60	85	18	43	59	84	154	238	40	63	89	R: 70
16 Refs	M	2	R: 23	19	13	32	16	11	26	73	88	161	45	60	89	R: 71
15 Refs	M	3	R: 24	27	18	45	23	16	37	48	25	73	32	21	51	R: 72
14 Refs	M	1	R: 25	10	4	14	9	3	11	10	4	14	9	3	11	R: 73
13 Refs	M	3	R: 26	12	27	39	9	17	24	42	120	162	25	46	59	R: 74
12 Refs	M	6	R: 27	36	36	72	30	35	61	99	84	183	52	55	87	R: 75
11 Refs	M	6	R: 28	36	30	66	22	17	33	105	169	274	51	53	83	R: 76
10 Refs	M	2	R: 29	7	13	20	7	6	10	46	52	98	25	18	33	R: 77
09 Refs	M	4	R: 30	13	23	36	13	18	28	35	69	104	26	35	52	R: 78
08 Refs	M	4	R: 31	3	29	32	3	21	23	36	71	107	24	39	55	R: 79
07 Refs	M	13	R: 32	46	45	91	37	32	58	163	219	382	111	113	186	R: 80
06 Refs	M	20	R: 33	58	62	120	44	53	86	198	284	482	102	129	184	R: 81

Appendix I -- Part A.5. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
05 Refs	M	18	R: 34	48	42	90	41	34	67	90	99	189	65	50	96	R: 82
04 Refs	M	29	R: 35	48	68	116	43	55	85	260	316	576	164	168	280	R: 83
03 Refs	M	55	R: 36	67	98	165	64	75	127	377	409	786	255	225	406	R: 84
02 Refs	M	84	R: 37	84	84	168	76	73	138	171	312	484	125	175	261	R: 85
01 Ref	M	381	R: 38	203	178	381	203	178	381	563	637	1200	452	440	808	R: 86
Authors, Male, ALL:		659		1,344	1,233	2,577	963	982	1,766	3,943	4,537	8,481	2,137	2,286	3,712	
Authors, UG, PS, & Group:																
17 Refs	U	1	R: 22	14	3	17	14	3	15	15	7	22	14	3	15	R: 70
07 Refs	U	1	R: 32	6	1	7	6	1	7	6	1	7	6	1	7	R: 80
05 Refs	U	3	R: 34	5	10	15	5	10	15	11	12	23	10	11	20	R: 82
03 Refs	U	2	R: 36	2	4	6	2	4	6	2	4	6	2	4	6	R: 84
02 Refs	U	5	R: 37	5	5	10	5	5	10	5	5	10	5	5	10	R: 85
01 Ref	U	22	R: 38	10	12	22	10	12	22	10	16	26	10	15	25	R: 86
Authors, UG, PS, & Group, ALL:		34		42	35	77	42	35	75	49	45	94	47	39	83	
Authors, ALL: This Decade		878		1,960	1,599	3,559	1,351	1,245	2,341	5,215	5,269	10,485	2,799	2,708	4,635	

Appendix I -- Part A.5. (continued):																
Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Female Authors: ALL Decades		366		574	331	905	346	238	509	1,443	829	2,272	815	512	1,156	
Male Authors: ALL Decades		1,609		1,344	1,233	2,577	963	982	1,766	5,024	5,645	10,669	3,065	3,241	5,478	
UG, PS & Collective Group Authors: ALL Decades		60		42	35	77	42	35	75	87	65	152	76	58	129	
Anonymous Works, and Anonymous Groups of Co-Authors, Co-Editors, and Adaptors																
Anonymous Works & Works with Anonymous Co-Authors, Co-Editors, or Adaptors: ALL		167		19	51	70	17	42	58	46	178	224	37	134	167	
<i>Beowulf</i> . 8th c.		1	R: 33	2	4	6	1	1	1	4	15	19	1	1	1	R: 68
<i>Arabian Nights, The</i> . 15th c.		1	R: 36		3	3		1	1		7	7		1	1	R: 80
02 Refs		5	R: 37	2	8	10	1	4	5	3	15	18	2	4	5	
01 Ref		51	R: 38	15	36	51	15	36	51	18	47	65	16	36	51	

Appendix I -- Part A.5. (continued): Most Frequently Referenced Primary Authors and Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY AUTHOR or ANONYMOUS WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						
				# References			# Different Works			# References			# Different Works			Over- all Rank
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Authors & Anonymous Works, ALL: This Decade		936		1,979	1,650	3,629	1,368	1,287	2,399	5,240	5,353	10,594	2,818	2,750	4,693	
Authors & Anonymous Works, ALL: ALL Decades		2,202		1,979	1,650	3,629	1,368	1,287	2,399	6,600	6,717	13,317	3,993	3,945	6,929	

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

**Appendix I -- Part B.1.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's First Decade: Volumes 1-10, December 1959-May 1969**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Overall Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11		0	0	0	0	0	0	3	43	46	2	10	11	
Comic Books, Comic Strips, & Graphic Novels		100		0	3	3	0	3	3	147	61	208	77	38	100	
01 Ref		3	R: 14		3	3		3	3	1	5	6	1	3	3	R: 86
Film Series		17		0	0	0	0	0	0	8	30	38	6	15	17	
Films		502		2	7	9	2	6	8	338	562	900	236	350	502	
2001: A Space Odyssey. 1968.		1	R: 13		2	2		1	1	12	38	50	1	1	1	R: 41
01 Ref		7	R: 14	2	5	7	2	5	7	12	26	38	6	6	7	R: 86

Appendix I -- Part B.1. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Film Serials & Film Serial Episodes		15		0	0	0	0	0	0	14	7	21	13	4	15	
Radio Dramas & Plays		9		0	1	1	0	1	1	8	7	15	8	2	9	
<i>War of the Worlds, The</i> . 1938-10-30.		1	R: 14		1	1		1	1	1	6	7	1	1	1	R: 80
Radio Series, including Anthology Series		9		0	0	0	0	0	0	7	6	13	4	6	9	
Television Plays & Films, including Mini-series		26		0	1	1	0	1	1	13	18	31	12	17	26	
01 Ref		1	R: 14		1	1		1	1		1	1		1	1	R: 86
Television Series, including Anthology Series		143		0	0	0	0	0	0	183	419	602	46	117	143	
Television Series Episodes		205		0	0	0	0	0	0	125	208	333	105	153	205	

Appendix I -- Part B.1. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> First Decade: Volumes 1-10, December 1959-May 1969																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D1: v1-10 1959 (Dec)-1969 (May)						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Religious Works																
RELIGIOUS TEXTS		72		0	10	10	0	8	8	76	248	324	38	57	72	
<i>Bible & Bible Books</i>		43			9	9	0	7	7	45	218	263	18	39	43	
<i>Other Religious Texts</i>		29			1	1	0	1	1	31	30	61	20	18	29	
<i>Bible</i> [whole book].		1	R: 12		3	3		1	1	12	49	61	1	1	1	R: 32
01 Ref		7	R: 14		7	7		7	7	4	14	18	3	7	7	R: 86
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16		0	0	0	0	0	0	0	19	19	0	16	16	
Realia and Real Environments		19		0	0	0	0	0	0	6	14	20	5	14	19	
Websites		9		0	0	0	0	0	0	8	4	12	7	3	9	

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

**Appendix I -- Part B.2.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's Second Decade: Volumes 11-20, December 1969-Winter 1979**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Overall Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11		0	0	0	0	0	0	3	43	46	2	10	11	
Comic Books, Comic Strips, & Graphic Novels		100		1	3	4	1	3	4	147	61	208	77	38	100	
01 Ref		4	R: 38	1	3	4	1	3	4	4	5	9	2	3	4	R: 86
Film Series		17		0	0	0	0	0	0	8	30	38	6	15	17	
Films		502		14	46	60	12	34	43	338	562	900	236	350	502	
<i>2001: A Space Odyssey.</i> 1968.		1	R: 29	1	9	10	1	1	1	12	38	50	1	1	1	R: 41
03 Refs		1	R: 36	1	2	3	1	1	1	2	4	6	1	1	1	R: 84
02 Refs		6	R: 37	5	7	12	3	4	6	18	31	49	6	6	6	R: 85
01 Ref		35	R: 38	7	28	35	7	28	35	24	51	75	12	32	35	R: 86

Appendix I -- Part B.2. (continued):																
Most Frequently Referenced Primary Collaborated Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Film Serials & Film Serial Episodes		15		0	0	0	0	0	0	14	7	21	13	4	15	
Radio Dramas & Plays		9		0	2	2	0	1	1	8	7	15	8	2	9	
<i>War of the Worlds, The</i> . 1938-10-30.		1	R: 37		2	2		1	1	1	6	7	1	1	1	R: 80
Radio Series, including Anthology Series		9		0	0	0	0	0	0	7	6	13	4	6	9	
Television Plays & Films, including Mini-series		26		1	1	2	1	1	2	13	18	31	12	17	26	
01 Ref		2	R: 38	1	1	2	1	1	2	1	1	2	1	1	2	R: 86
Television Series, including Anthology Series		143		1	76	77	1	21	22	183	419	602	46	117	143	
<i>Star Trek</i> [The Original Series]. 1966-1969.		1	R: 05		55	55		1	1	60	131	191	1	1	1	R: 07

Appendix I -- Part B.2. (continued):																
Most Frequently Referenced Primary Collaborated Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
02 Refs		1	R: 37		2	2		1	1	5	13	18	1	1	1	R: 85
01 Ref		20	R: 38	1	19	20	1	19	20	3	25	28	3	19	20	R: 86
Television Series Episodes		205		0	52	52	0	52	52	125	208	333	105	153	205	
01 Ref		52	R: 38		52	52		52	52	39	92	131	26	52	52	R: 86
Religious Works																
RELIGIOUS TEXTS		72		21	32	53	15	16	21	76	248	324	38	57	72	
<i>Bible & Bible Books</i>		43		19	26	45	13	10	15	45	218	263	18	39	43	
<i>Other Religious Texts</i>		29		2	6	8	2	6	6	31	30	61	20	18	29	
<i>Bible</i> [whole book].		1	R: 27	2	10	12	1	1	1	12	49	61	1	1	1	R: 32
<i>Bible. Genesis.</i>		1	R: 34	3	2	5	1	1	1	7	24	31	1	1	1	R: 56
<i>Bible. Revelation(s)</i> [aka: <i>Apocalypse</i>].		1	R: 34	2	3	5	1	1	1	4	15	19	1	1	1	R: 68
04 Refs		1	R: 35	2	2	4	1	1	1	3	13	16	1	1	1	R: 83
03 Refs		2	R: 36	1	5	6	1	2	2	4	36	40	2	2	2	R: 84

Appendix I -- Part B.2. (continued): Most Frequently Referenced Primary Collaborated Works: <i>Extrapolation's</i> Second Decade: Volumes 11-20, December 1969-Winter 1979																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D2: v11-20 1969 (Dec)-1979 (Win)						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
02 Refs		6	R: 37	7	5	12	6	5	6	15	22	37	6	6	6	R: 85
01 Ref			R: 38	4	5	9	4	5	9	8	18	26	7	8	9	R: 86
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16		0	0	0	0	0	0	0	19	19	0	16	16	
Realia and Real Environments		19		0	0	0	0	0	0	6	14	20	5	14	19	
Websites		9		0	0	0	0	0	0	8	4	12	7	3	9	

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

**Appendix I -- Part B.3.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's Third Decade: Volumes 21-30, Spring 1980-Winter 1989**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11		0	4	4	0	2	2	3	43	46	2	10	11	
<i>Star Trek</i> [franchise].		1			3	3		1	1	2	25	27	1	1	1	R: 60
01 Ref		1			1	1		1	1		10	10		1	1	R: 86
Comic Books, Comic Strips, & Graphic Novels		100		57	17	74	16	11	20	147	61	208	77	38	100	
<i>Avengers</i> .		1	R: 26	11	6	17	1	1	1	11	6	17	1	1	1	R: 70
<i>Warlock</i> .		1	R: 30	12	1	13	1	1	1	12	1	13	1	1	1	R: 74
<i>Hulk</i> .		1	R: 35	6	2	8	1	1	1	6	2	8	1	1	1	R: 79
<i>Thor</i> .		1	R: 37	6		6	1		1	6		6	1		1	R: 81
04 Refs		1		4		4	1		1	4		4	1		1	R: 83
03 Refs		5		14	2	16	5	2	5	15	2	17	5	2	5	R: 84
02 Refs		3		4	2	6	3	2	3	5	4	9	3	2	3	R: 85
01 Ref		8		4	4	8	4	4	8	4	5	9	4	5	8	R: 86

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Film Series		17		2	8	10	2	5	6	8	30	38	6	15	17	
<i>Star Wars</i> [film series]. 1977+.		1	R: 40	1	2	3	1	1	1	2	10	12	1	1	1	R: 75
02 Refs		2			4	4		2	2	1	5	6	1	2	2	R: 85
01 Ref		3		1	2	3	1	2	3	1	3	4	1	3	3	R: 86
Films		502		54	157	211	46	112	135	338	562	900	236	350	502	
<i>2001: A Space Odyssey</i> . 1968.		1	R: 28	3	12	15	1	1	1	12	38	50	1	1	1	R: 41
<i>Star Wars</i> [aka: <i>Star Wars IV--A New Hope</i>]. 1977.		1	R: 34	5	4	9	1	1	1	9	15	24	1	1	1	R: 63
<i>E. T.: The Extraterrestrial</i> . 1982.		1	R: 36	1	6	7	1	1	1	3	12	15	1	1	1	R: 72
<i>Empire Strikes Back, The</i> . 1980.		1	R: 37	2	4	6	1	1	1	3	5	8	1	1	1	R: 79
04 Refs		5		5	15	20	4	5	5	15	30	45	5	5	5	R: 83
03 Refs		2		1	5	6	1	2	2	5	13	18	3	3	3	R: 84

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
02 Refs		24		14	34	48	14	24	24	41	60	101	19	24	24	R: 85
01 Ref		100		23	77	100	23	77	100	53	124	177	39	83	100	R: 86
Film Serials & Film Serial Episodes		15		1	4	5	1	3	3	14	7	21	13	4	15	
02 Refs		2		1	3	4	1	2	2	2	5	7	2	2	2	R: 85
01 Ref		1			1	1		1	1		1	1		1	1	R: 86
Radio Dramas & Plays		9		0	2	2	0	1	1	8	7	15	8	2	9	
<i>War of the Worlds, The .</i> 1938-10-30.		1	R: 41		2	2		1	1	1	6	7	1	1	1	R: 80
Radio Series, including Anthology Series		9		2	1	3	1	1	2	7	6	13	4	6	9	
02 Refs		1		2		2	1		1	2		2	1		1	
01 Ref		1			1	1		1	1		1	1		1	1	R: 86

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Television Plays & Films, including Mini-series		26		6	11	17	6	10	14	13	18	31	12	17	26	
<i>Day After, The</i> [tv film]. 1983.		1	R: 40	1	2	3	1	1	1	1	2	3	1	1	1	R: 84
02 Refs		1		1	1	2	1	1	1	1	1	2	1	1	1	R: 85
01 Ref		12		4	8	12	4	8	12	4	8	12	4	8	12	R: 86
Television Series, including Anthology Series		143		23	118	141	7	55	57	183	419	602	46	117	143	
<i>Star Trek</i> [The Original Series]. 1966-1969.		1	R: 09	13	35	48	1	1	1	60	131	191	1	1	1	R: 07
<i>Twilight Zone</i> . 1959-1964, 1985-1989, 2002-2002, 2019+.		1	R: 30	5	8	13	1	1	1	5	13	18	1	1	1	R: 69
<i>Doctor Who</i> . 1963-1989, 2005+.		1	R: 31		12	12		1	1	3	15	18	1	1	1	R: 69
<i>Battlestar Galactica</i> . 1978-1979.		1	R: 39		4	4		1	1		4	4		1	1	R: 83

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
<i>Out of the Unknown</i> . [US ti; aka: <i>Journey to the Unknown</i> [UK] and <i>Journey Into Midnight</i> [UK]] 1965-1971.		1	R: 39	1	3	4	1	1	1	1	3	4	1	1	1	R: 83
<i>Buck Rogers in the 25th Century</i> [2nd tv series]. 1979-1981.		1	R: 40	1	2	3	1	1	1	1	2	3	1	1	1	R: 84
<i>Incredible Hulk, The</i> . 1978-1982.		1	R: 40		3	3		1	1		3	3	0	1	1	R: 84
02 Refs		4		1	7	8	1	4	4	2	9	11	2	4	4	R: 85
01 Ref		46		2	44	46	2	44	46	48	119	167	3	46	45	R: 86
Television Series Episodes		205		17	45	62	16	45	56	125	208	333	105	153	205	
<i>Menagerie, The. Star Trek</i> [The Original Series]. 1966-11-17 & -24.		1	R: 40	2	1	3	1	1	1	2	3	5	1	1	1	R: 82
02 Refs		4		4	4	8	4	4	4	7	9	16	4	4	4	R: 85
01 Ref		51		11	40	51	11	40	51	25	74	99	19	45	51	R: 86

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Religious Works																
RELIGIOUS TEXTS		72		19	69	88	14	35	44	76	248	324	38	57	72	
<i>Bible & Bible Books</i>		43		6	61	67	3	29	29	45	218	263	18	39	43	
<i>Other Religious Texts</i>		29		13	8	21	11	6	15	31	30	61	20	18	29	
<i>Bible</i> [whole book].		1		3	7	10	1	1	1	12	49	61	1	1	1	R: 32
<i>Bible. Genesis.</i>		1		2	6	8	1	1	1	7	24	31	1	1	1	R: 56
04 Refs		5		4	16	20	2	5	5	16	60	76	5	5	5	R: 83
03 Refs		2			6	6		2	2	6	19	25	2	2	2	R: 84
02 Refs		9		1	17	18	1	9	9	6	32	38	2	9	9	R: 85
01 Ref		26		9	17	26	9	17	26	13	40	53	8	24	26	R: 86

Appendix I -- Part B.3. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Third Decade: Volumes 21-30, Spring 1980-Winter 1989																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D3: v21-30 1980-1989						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16		0	2	2	0	1	1	0	19	19	0	16	16	
<i>Dungeons & Dragons.</i>		1	R: 39		2	2		1	1		4	4		1	1	R: 83
Realia and Real Environments		19		0	0	0	0	0	0	6	14	20	5	14	19	
Websites		9		0	0	0	0	0	0	8	4	12	7	3	9	

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

**Appendix I -- Part B.4.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11		1	16	17	1	8	8	3	43	46	2	10	11	
<i>Star Trek</i> [franchise].		1	R: 38	1	7	8	1	1	1	2	25	27	1	1	1	R: 60
<i>Star Wars</i> [franchise].		1	R: 43		3	3		1	1		10	10		1	1	R: 77
01 Ref		6	R: 45		6	6		6	6		6	6		6	6	R: 86
Comic Books, Comic Strips, & Graphic Novels		100		21	15	36	20	12	30	147	61	208	77	38	100	
02 Refs		6		4	8	12	3	5	6	6	10	16	4	6	6	R: 85
01 Ref		24		17	7	24	17	7	24	18	7	25	18	7	24	R: 86
Film Series		17		1	8	9	1	6	7	8	30	38	6	15	17	
<i>Star Wars</i> [film series]. 1977+.		1	R: 43		3	3		1	1	2	10	12	1	1	1	R: 75
01 Ref		6	R: 45	1	5	6	1	5	6	3	6	9	2	5	6	R: 86

**Appendix I -- Part B.4. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Films		502		99	119	218	89	90	159	338	562	900	236	350	502	
<i>2001: A Space Odyssey.</i> 1968.		1	R: 37	2	7	9	1	1	1	12	38	50	1	1	1	R: 41
<i>Blade Runner.</i> 1982.		1	R: 38	4	4	8	1	1	1	10	8	18	1	1	1	R: 69
<i>E. T.: The Extraterrestrial.</i> 1982.		1	R: 40	2	4	6	1	1	1	3	12	15	1	1	1	R: 72
<i>Star Wars</i> [aka: <i>Star Wars IV--A New Hope</i>]. 1977.		1	R: 40	1	5	6	1	1	1	9	15	24	1	1	1	R: 63
<i>Metropolis.</i> 1927.		1	R: 41	1	4	5	1	1	1	4	9	13	1	1	1	R: 74
04 Refs		4	R: 42	2	2	4	1	1	1	2	8	10	1	1	1	R: 83
03 Refs		4	R: 43	5	7	12	3	3	4	8	19	27	4	3	4	R: 84
02 Refs		19	R: 44	16	22	38	14	17	19	32	52	84	16	19	19	R: 85
01 Ref		130	R: 45	66	64	130	66	64	130	109	130	239	76	82	130	R: 86
Film Serials & Film Serial Episodes		15		11	1	12	10	1	11	14	7	21	13	4	15	
02 Refs		1	R: 44	2		2	1		1	2		2	1		1	R: 85
01 Ref		10	R: 45	9	1	10	9	1	10	10	3	13	10	1	10	R: 86

Appendix I -- Part B.4. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Radio Dramas & Plays		9		4	1	5	4	1	5	8	7	15	8	2	9	
01 Ref		5	R: 45	4	1	5	4	1	5	5	6	11	5	1	5	R: 86
Radio Series, including Anthology Series		9		3	1	4	1	1	2	7	6	13	4	6	9	
<i>X Minus One</i> [anthology series]. 1955-1958.		1	R: 43	3		3	1		1	3		3	1		1	R: 84
01 Ref		1	R: 45		1	1		1	1	1	1	2	1	1	1	R: 86
Television Plays & Films, including Mini-series		26		3	2	5	3	2	5	13	18	31	12	17	26	
01 Ref		5	R: 45	3	2	5	3	2	5	3	3	6	3	3	5	R: 86
Television Series, including Anthology Series		143		101	77	178	14	20	29	183	419	602	46	117	143	
<i>Star Trek: The Next Generation</i> . 1987-1994.		1	R: 05	42	34	76	1	1	1	46	60	106	1	1	1	R: 14

Appendix I -- Part B.4. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
<i>Star Trek</i> [The Original Series]. 1966-1969.		1	R: 08	44	20	64	1	1	1	60	131	191	1	1	1	R: 07
<i>Star Trek: Deep Space Nine</i> . 1993-1999.		1	R: 42	2	2	4	1	1	1	4	26	30	1	1	1	R: 57
<i>Doctor Who</i> . 1963-1989, 2005+.		1	R: 43	3		3	1		1	3	15	18	1	1	1	R: 69
02 Refs		6	R: 44	2	10	12	2	6	6	9	26	35	4	6	6	R: 85
01 Ref		19	R: 45	8	11	19	8	11	19	8	20	28	8	14	19	R: 86
Television Series Episodes		205		88	36	124	75	33	96	125	208	333	105	153	205	
Measure of a Man, The. <i>Star Trek: The New Generation</i> . 1989-02-13		1	R: 42	2	2	4	1	1	1	2	3	5	1	1	1	R: 82
Naked Now, The. <i>Star Trek: The New Generation</i> . 1987-10-05.		1	R: 42	2	2	4	1	1	1	2	3	5	1	1	1	R: 82
Offspring, The. <i>Star Trek: The New Generation</i> . 1990-03-12.		1	R: 42	3	1	4	1	1	1	3	2	5	1	1	1	R: 82

Appendix I -- Part B.4. (continued):																
Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Let That Be Your Final Battlefield. <i>Star Trek</i> [The Original Series]. 1969-01-10.		1	R: 43	1	2	3	1	1	1	1	3	4	1	1	1	R: 83
02 Refs		17	R: 44	26	8	34	17	8	17	29	26	55	17	15	17	R: 85
01 Ref		75	R: 45	54	21	75	54	21	75	59	54	113	56	38	75	R: 86
Religious Works																
RELIGIOUS TEXTS		72		10	79	89	9	28	31	76	248	324	38	57	72	
<i>Bible & Bible Books</i>		43		8	73	81	7	23	24	45	218	263	18	39	43	
<i>Other Religious Texts</i>		29		2	6	8	2	5	7	31	30	61	20	18	29	
<i>Bible</i> [whole book].		1	R: 29	1	16	17	1	1	1	12	49	61	1	1	1	R: 32
<i>Bible. Old Testament.</i>		1	R: 34	1	11	12	1	1	1	3	22	25	1	1	1	R: 62
<i>Bible. Genesis.</i>		1	R: 36	1	9	10	1	1	1	7	24	31	1	1	1	R: 56
<i>Bible. New Testament.</i>		1	R: 40	1	5	6	1	1	1	1	14	15	1	1	1	R: 72
<i>Bible. Matthew.</i>		1	R: 40	1	5	6	1	1	1	3	13	16	1	1	1	R: 71
<i>Bible. John.</i>		1	R: 41		5	5		1	1	1	8	9	1	1	1	R: 78

Appendix I -- Part B.4. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fourth Decade: Volumes 31-40, Spring 1990-Winter 1999																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D4: v31-40 1990-1999						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
<i>Bible. Revelation(s)</i> [aka: <i>Apocalypse</i>].		1	R: 41	2	3	5	1	1	1	4	15	19	1	1	1	R: 68
02 Refs		4	R: 44		8	8		4	4	2	16	18	2	4	4	R: 85
01 Ref		20	R: 45	3	17	20	3	17	20	15	45	60	10	18	20	R: 86
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16		0	7	7	0	7	7	0	19	19	0	16	16	
01 Ref		7	R: 45		7	7		7	7		7	7		7	7	R: 86
Realia and Real Environments		19		0	12	12	0	12	12	6	14	20	5	14	19	
01 Ref		12	R: 45		12	12		12	12		12	12		12	12	R: 86
Websites		9		0	0	0	0	0	0	8	4	12	7	3	9	
Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).																

**Appendix I -- Part B.5.:
Most Frequently Referenced Primary Collaborative Works: Number of References Total, and Number of Different Works Referenced:
Extrapolation's Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gen- der	Num- ber	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Over- all Rank
				# Primary Refs			# Different Primary Works			# Primary Refs			# Different Primary Works			
				# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	# For Refs	# Inf Refs	# Refs	# Diff Wks For	# Diff Wks Inf	# Diff Wks	
Mediated Works: Collaborative Authorship (Generally)																
Media Franchises		11		2	23	25	2	4	5	3	43	46	2	10	11	
<i>Star Trek</i> [franchise].		1	R: 23	1	15	16	1	1	1	2	25	27	1	1	1	R: 60
<i>Star Wars</i> [franchise].		1	R: 33		6	6		1	1		10	10		1	1	R: 77
01 Ref		3	R: 38	1	2	3	1	2	3	1	2	3	1	2	3	R: 86
Comic Books, Comic Strips, & Graphic Novels		100		68	23	91	43	11	50	147	61	208	77	38	100	
<i>Mystery In Space.</i>		1	R: 16	20	5	25	1	1	1	20	5	25	1	1	1	R: 62
<i>Wonder Woman.</i>		1	R: 33	2	4	6	1	1	1	2	4	6	1	1	1	R: 81
03 Refs		6	R: 36	9	9	18	4	4	6	11	9	20	4	4	6	R: 84
01 Ref		42	R: 38	37	5	42	37	5	42	39	8	47	37	7	42	R: 86

Appendix I -- Part B.5. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Film Series		17		5	14	19	5	8	10	8	30	38	6	15	17	
<i>Star Wars</i> [film series]. 1977+.		1	R: 33	1	5	6	1	1	1	2	10	12	1	1	1	R: 75
<i>Matrix, The</i> [film series]. 1999, 2003, 2003.		1	R: 36	1	2	3	1	1	1	1	2	3	1	1	1	R: 84
02 Refs		2	R: 37	1	3	4	1	2	2	1	5	6	1	2	2	R: 85
01 Ref		6	R: 38	2	4	6	2	4	6	3	5	8	2	4	6	R: 86
Films		502		169	233	402	132	186	287	338	562	900	236	350	502	
<i>2001: A Space Odyssey</i> . 1968.		1	R: 25	6	8	14	1	1	1	12	38	50	1	1	1	R: 41
<i>Star Wars</i> [aka: <i>Star Wars IV--A New Hope</i>]. 1977.		1	R: 30	3	6	9	1	1	1	9	15	24	1	1	1	R: 63
<i>Blade Runner</i> . 1982.		1	R: 31	6	2	8	1	1	1	10	8	18	1	1	1	R: 69
<i>Matrix, The</i> . 1999.		1	R: 32	3	4	7	1	1	1	3	4	7	1	1	1	R: 80
<i>Alien</i> . 1979.		1	R: 33	3	3	6	1	1	1	5	7	12	1	1	1	R: 75
<i>Terminator, The</i> . 1984.		1	R: 33	3	3	6	1	1	1	4	4	8	1	1	1	R: 79
04 Refs		5	R: 35	12	8	20	5	4	5	16	14	30	5	4	5	R: 83

**Appendix I -- Part B.5. (continued):
Most Frequently Referenced Primary Collaborative Works: *Extrapolation's* Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009**

PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
03 Refs		8	R: 36	10	14	24	6	7	8	20	24	44	8	8	8	R: 84
02 Refs		40	R: 37	32	48	80	24	32	40	54	95	149	29	34	40	R: 85
01 Ref		228	R: 38	91	137	228	91	137	228	116	183	299	103	152	228	R: 86
Film Serials & Film Serial Episodes		15		2	2	4	2	2	4	14	7	21	13	4	15	
01 Ref		4	R: 38	2	2	4	2	2	4	3	6	9	3	3	4	R: 86
Radio Dramas & Plays		9		4	1	5	4	1	5	8	7	15	8	2	9	
01 Ref		5	R: 38	4	1	5	4	1	5	4	7	11	4	2	5	R: 86
Radio Series, including Anthology Series		9		2	4	6	2	4	6	7	6	13	4	6	9	
01 Ref		6	R: 38	2	4	6	2	4	6	2	5	7	2	5	6	R: 86
Television Plays & Films, including Mini-series		26		3	3	6	2	3	5	13	18	31	12	17	26	
02 Refs		1	R: 37	2		2	1		1	2		2	1		1	R: 85
01 Ref		4	R: 38	1	3	4	1	3	4	2	3	5	2	3	4	R: 86

Appendix I -- Part B.5. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Television Series, including Anthology Series		143		58	148	206	30	45	66	183	419	602	46	117	143	
<i>Firefly</i> . 2002-2003.		1	R: 11	19	11	30	1	1	1	19	11	30	1	1	1	R: 57
<i>Star Trek: The Next Generation</i> . 1987-1994.		1	R: 12	3	26	29	1	1	1	46	60	106	1	1	1	R: 14
<i>Star Trek: Deep Space Nine</i> . 1993-1999.		1	R: 15	2	24	26	1	1	1	4	26	30	1	1	1	R: 57
<i>Star Trek</i> [The Original Series]. 1966-1969.		1	R: 17	3	21	24	1	1	1	60	131	191	1	1	1	R: 07
<i>Battlestar Galactica</i> . [Reimagined Series] 2003-2008.		1	R: 27	5	7	12	1	1	1	5	7	12	1	1	1	R: 75
<i>Enterprise</i> [aka: <i>Star Trek: Enterprise</i>]. 2001-2005.		1	R: 31	2	6	8	1	1	1	2	6	8	1	1	1	R: 79
<i>Buffy the Vampire Slayer</i> . 1997-2003.		1	R: 33		6	6		1	1		6	6		1	1	R: 81
<i>X-Files, The</i> . 1993-2002, 2016-2018.		1	R: 33	1	5	6	1	1	1	1	5	6	1	1	1	R: 81
<i>Doctor Who</i> . 1963-1989, 2005+.		1	R: 36		3	3		1	1	3	15	18	1	1	1	R: 69

Appendix I -- Part B.5. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
02 Refs		5	R: 37	2	8	10	2	5	5	3	10	13	2	5	5	R: 85
01 Ref		52	R: 38	21	31	52	21	31	52	28	50	78	24	32	52	R: 86
Television Series Episodes		205		20	75	95	20	72	80	125	208	333	105	153	205	
02 Refs		15	R: 37	12	18	30	12	15	15	13	19	32	13	15	16	R: 85
01 Ref		65	R: 38	8	57	65	8	57	65	30	83	113	21	58	65	R: 86
Religious Works																
RELIGIOUS TEXTS		72		26	58	84	16	26	33	76	248	324	38	57	72	
<i>Bible & Bible Books</i>		43		12	49	61	7	17	19	45	218	263	18	39	43	
<i>Other Religious Texts</i>		29		14	9	23	9	9	14	31	30	61	20	18	29	
<i>Bible</i> [whole book].		1	R: 21	6	13	19	1	1	1	12	49	61	1	1	1	R: 32
<i>Bible. Genesis.</i>		1	R: 31	1	7	8	1	1	1	7	24	31	1	1	1	R: 56
<i>Bible. Old Testament.</i>		1	R: 33	1	5	6	1	1	1	3	22	25	1	1	1	R: 62
<i>Bible. Revelation(s)</i> [aka: <i>Apocalypse</i>].		1	R: 33		6	6		1	1	4	15	19	1	1	1	R: 68
<i>Tao Te Ching</i> [aka: <i>Lao Tzu</i> ; <i>Laoshi</i> .] 6th c BCE.		1	R: 34	4	1	5	1	1	1	8	3	11	1	1	1	R: 76

Appendix I -- Part B.5. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
03 Refs		4	R: 36	6	6	12	4	4	4	10	14	24	4	4	4	R: 84
02 Refs		4	R: 37	1	7	8	1	4	4	5	35	40	3	4	4	R: 85
01 Ref		20	R: 38	7	13	20	7	13	20	9	35	44	9	14	20	R: 86
Other Primary Works: Collaborative Authorship (Generally)																
Games, including Computer Games		16		0	10	10	0	9	9	0	19	19	0	16	16	
<i>Dungeons & Dragons</i> .		1	R: 37		2	2		1	1		4	4		1	1	R: 83
01 Ref		8	R: 38		8	8		8	8		8	8		8	8	R: 86
Realia and Real Environments		19		6	2	8	5	2	7	6	14	20	5	14	19	
<i>Terminator 3-D</i> . [attraction; aka: <i>T2 3-D: Battle Across Time</i>]. Universal Studios [various], 1996+.		1	R: 37	2		2	1		1	2		2	1		1	R: 85
01 Ref		6	R: 38	4	2	6	4	2	6	4	14	18	4	14	18	R: 86

Appendix I -- Part B.5. (continued): Most Frequently Referenced Primary Collaborative Works: <i>Extrapolation's</i> Fifth Decade: Volumes 41-50, Spring 2000-Fall 2009																
PRIMARY COLLABORATIVE WORK Referenced	Gender	Number	Rank in This Decade	D5: v41-50 2000-2009						Total: v1-50 1959-2009						Overall Rank
				# References			# Different Works			# References			# Different Works			
				# For	# Inf	# Refs	# For	# Inf	# Diff Wks	# For	# Inf	# Refs	# For	# Inf	# Diff Wks	
Websites		9		8	4	12	7	3	9	8	4	12	7	3	9	
<i>EntSTSlash</i> [aka: <i>StarTrek_EnterpriseSlash</i>].		1	R: 36	1	2	3	1	1	1	1	2	3	1	1	1	R: 84
<i>FanFiction.net</i> .		1	R: 37	2		2	1		1	2		2	1		1	R: 85
01 Ref		7	R: 38	5	2	7	5	2	7	5	2	7	5	2	7	R: 86

Note: For Notes on Abbreviations, Numbers, and Rank, see bottom of Appendix I -- Part A.1. (above).

APPENDIX I -- Part C: Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works: <i>Extrapolation's</i> First Five Decades: Volumes 1-50, December 1959-Fall 2009										
PRIMARY AUTHOR Referenced	Gender	v1-10 1959- 1969	v11-20 1969- 1979	v21-30 1980- 1989	v31-40 1990- 1999	v41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff Pri Wks	Over-all Rank	# Diff Articles Ref'd In
Authors, Female, Male, GU, & PS: ALL Decades:		2,035	2,058	3,374	3,432	3,559	13,093	6,772		
Le Guin, Ursula K.	F		41	123	110	289	563	105	R: 01	A=137
<i>Left Hand of Darkness, The.</i>	no		14	20	8	22	64	1		
<i>Dispossessed, The.</i>	no		4	15	12	19	50	1		
<i>Wizard of Earthsea, A.</i>	no		1	13	5	8	27	1		
"Word for World Is Forest, The."	sf		3	5	3	10	21	1		
<i>Farthest Shore, The.</i>	no		1	7	4	8	20	1		
<i>Lathe of Heaven, The.</i>	no		1	7	3	9	20	1		
<i>Always Coming Home.</i>	no			3	6	10	19	1		
<i>Earthsea</i> trilogy-tetralogy-series.	series			9	3	7	19	1		
<i>Tombs of Atuan, The.</i>	no		1	7	3	5	16	1		
<i>Eye of the Heron, The.</i>	no			2	1	12	15	1		
"Ones Who Walk Away from Omelas, The."	sf			3	1	9	13	1		
<i>Tehanu.</i>	no				5	7	12	1		
<i>Rocannon's World.</i>	no		1	2	3	5	11	1		
"Vaster Than Empires and More Slow."	sf		3	1	2	5	11	1		
<i>City of Illusions.</i>	no		1	4	3	3	11	1		
<i>Nine Lives.</i>	sf		4	5		1	10	1		
<i>Planet of Exile.</i>	no		1	2	2	5	10	1		
Other Works w/ 1-9 Refs Only							214	88		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Heinlein, Robert A. [aka: MacDonald, Anson]	M	12	58	59	181	209	519	90	R: 02	A=107
<i>Stranger in a Strange Land.</i>	no	3	14	9	7	4	37	1		
<i>Moon Is a Harsh Mistress, The.</i>	no		8	4	7	6	25	1		
<i>Starship Troopers.</i>	no		6	4	6	8	24	1		
<i>Have Spacesuit Will Travel.</i>	no				7	6	13	1		
<i>Puppet Masters, The.</i>	no		2	3	4	4	13	1		
<i>Beyond This Horizon.</i>	no	2		1	4	5	12	1		
<i>Star Beast.</i>	no			2	5	5	12	1		
<i>Time for the Stars.</i>	no		1	1	5	5	12	1		
<i>Podkayne of Mars.</i>	no		3	2	3	3	11	1		
<i>Space Cadet.</i>	no			2	5	4	11	1		
<i>Double Star.</i>	no		1	2	4	3	10	1		
<i>Red Planet.</i>	no			2	3	5	10	1		
<i>Time Enough for Love.</i>	no		1		6	3	10	1		
<i>Tunnel in the Sky.</i>	no			1	3	6	10	1		
<i>Rocket Ship Galileo.</i>	no			1	4	5	10	1		
Other Works w/ 1-9 Refs Only							299	75		
Wells, H. G.	M	68	75	57	67	61	328	52	R: 03	A=142
<i>Time Machine, The.</i>	no	5	18	16	17	17	73	1		
<i>War of the Worlds.</i>	no	7	11	4	12	19	53	1		
<i>Sleeper Wakes, The</i> [aka: <i>When the Sleeper Wakes</i>].	no	30	5	1	1		37	1		
<i>Island of Doctor Moreau, The.</i>	no	3	6	8	3	8	28	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>First Men in the Moon, The.</i>	no	6	7	3	4	2	22	1		
<i>Modern Utopia, A.</i>	no	1	7	3	4	1	16	1		
<i>Invisible Man, The.</i>	no	3	1	1	5	3	13	1		
<i>Men Like Gods.</i>	no	1	4	3	2		10	1		
Other Works w/ 1-5 Refs Only							76	44		
Asimov, Isaac	M	6	62	94	70	47	279	86	R: 04	A=099
<i>Foundation trilogy-series-omnibus.</i>	series	1	12	6	12	5	36	1		
<i>I, Robot.</i>	bk-coll- sf	1	9	3	6	4	23	1		
"Nightfall."	sf	1	9	3		1	14	1		
<i>Caves of Steel.</i>	no		2	5	4	2	13	1		
<i>Foundation [novel].</i>	no		3		4	6	13	1		
<i>Second Foundation.</i>	no		3	2	4	4	13	1		
<i>Foundation and Empire.</i>	no		2	1	4	5	12	1		
Other Works w/ 1-6 Refs Only							155	79		
Dick, Philip K.	M	1	28	42	58	100	229	64	R: 05	A=053
<i>Man in the High Castle, The.</i>	no	1	4	4	7	9	25	1		
<i>Do Androids Dream of Electric Sheep? [aka: Blade Runner].</i>	no		2	3	3	10	18	1		
VALIS.	no			4	4	6	14	1		
<i>Martian Time-slip.</i>	no		1	2	4	5	12	1		
<i>Three Stigmata of Palmer Eldritch, The.</i>	no		2	2	1	5	10	1		
Other Works w/ 1-9 Refs Only							150	59		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Clarke, Arthur C. [aka: Willis, Charles]	M	8	29	140	31	20	227	61	R: 06	A=079
<i>Childhood's End.</i>	no	5	11	13	9	4	42	1		
<i>2001: A Space Odyssey.</i>	no	2	5	10	2	4	23	1		
<i>Against the Fall of Night.</i>	no			6	3	4	13	1		
<i>City and the Stars, The</i> [expanded version of: <i>Against the Fall of Night</i>].	no		2	5	3	2	12	1		
"Sentinel, The."	sf		2	6	1	1	10	1		
Other Works w/ 1-7 Refs Only							127	55		
Shakespeare, William	M	1	16	29	104	23	173	52	R: 08	A=075
<i>Tempest, The.</i>	dr		4	6	8	5	23	1		
<i>Hamlet.</i>	dr	1		4	13	2	20	1		
<i>King Lear.</i>	dr		3	4	3	2	12	1		
<i>Macbeth.</i>	dr			3	8		11	1		
Other Works w/ 1-8 Refs Only							107	48		
Lovecraft, H. P.	M	3		88	16	55	162	67	R: 09	A=021
"Call of Cthulhu, The."	sf	1		3	1	6	11	1		
<i>At the Mountains of Madness.</i>	no			3	2	3	8	1		
Other Works w/ 1-7 Refs Only							143	65		
Bradbury, Ray	M	4	36	19	28	26	113	32	R: 10	A=059
<i>Fahrenheit 451.</i>	no	2	9	2	10	6	29	1		
<i>Martian Chronicles, The.</i>	bk-coll- sf	2	11	7	3	5	28	1		
Other Works w/ 1-4 Refs Only							56	30		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Delany, Samuel R. [aka: Kermit, S. L.]	M	1	24	47	6	35	113	30	R: 10	A=052
<i>Babel-17.</i>	no	1	8	4	2	2	17	1		
<i>Trouble on Triton</i> [aka: <i>Triton</i>].	no			6	2	7	15	1		
<i>Einstein Intersection, The.</i>	no		6	5		3	14	1		
<i>Nova.</i>	no		4	5		3	12	1		
Other Works w/ 1-9 Refs Only							55	26		
Lem, Stanisław	M	1	50	24	14	21	110	42	R: 11	A=033
<i>Solaris.</i>	no		9	6	4	9	28	1		
<i>Cyberiad</i> [aka: <i>Cyberiada</i>].	bk-coll-sf		7	1			8	1		
<i>His Master's Voice</i> [aka: <i>Glos Pana</i>].	no		3	1	2	1	7	1		
Other Works w/ 1-6 Refs Only							67	39		
Zelazny, Roger	M	1	13	23	55	16	108	68	R: 12	A=024
<i>Amber Chronicles-books-novels-series.</i>	series			2	4	2	8	1		
"Rose for Ecclesiastes, A."	sf		4	1	3		8	1		
<i>Lord of Light.</i>	no		2	2	1	1	6	1		
<i>This Immortal.</i>	no		1	4	1		6	1		
Other Works w/ 1-4 Refs Only							80	68		
Tiptree, James, Jr. [pso: Sheldon, Alice; aka: Sheldon, Racoona]	F		1	52	14	40	107	36	R: 13	A=021
"Houston, Houston, Do You Read?"	sf			4	1	6	11	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
"Women Men Don't See, The."	sf			3	2	4	9	1		
"Love Is the Plan, the Plan Is Death."	sf		1	3	2	1	7	1		
Other Works w/ 1-6 Refs Only							80	33		
Lewis, C. S.	M	9	27	26	17	27	106	23	R: 14	A=047
<i>Out of the Silent Planet.</i>	no	4	8	6	1	1	20	1		
<i>Perelandra.</i>	no	2	6	6	3	1	18	1		
<i>That Hideous Strength.</i>	no	3	7	4	3	1	18	1		
<i>Space/Ransom Trilogy.</i>	series		2	4	4	1	11	1		
<i>Chronicles of Narnia.</i>	series		1	2	2	4	9	1		
Other Works w/ 1-6 Refs Only							30	18		
Merril, Judith [aka: Sharon, Rose; 1/2 of Judd, Cyril]	F	2	4	6	80	12	104	51	R: 15	A=020
<i>Best SF</i> [aka: <i>Year's Best SF</i> ; series-various volumes].	bk-anth-series		2	1	14		17	13		
"That Only a Mother."	sf			3	5	6	14	1		
<i>Shadow on the Hearth.</i>	no			2	2	1	5	1		
Other Works w/ 1-4 Refs Only							68	36		
Herbert, Frank	M		34	30	23	11	98	19	R: 16	A=053
<i>Dune</i> [novel].	no		16	9	9	9	43	1		
<i>Dune</i> series-trilogy-tetology.	series		1	5	4	2	12	1		
Other Works w/ 1-7 Refs Only							43	17		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Pohl, Frederik [aka: MacCreigh, James]	M	3	22	15	39	17	96	43	R: 17	A=040
<i>Space Merchants, The</i> [aka: <i>Gravy Planet</i> ; with Cyril M. Kornbluth].	no	2	8	4	8	2	24	1	R: 17 & R:25	
<i>Gateway.</i>	no			4	2	1	7	1		
Other Works w/ 1-5 Refs Only							65	41		
Silverberg, Robert	M	2	39	29	21	4	95	51	R: 18	A=036
<i>Science Fiction Hall of Fame, Vol. One .</i> [ed.]	bk-anth- sf		5	2	1		8	1		
<i>Downward to Earth.</i>	no		2	1	2		5	1		
<i>Tower of Glass, The.</i>	no		4		1		5	1		
<i>Up the Line.</i>	no		1	2	1	1	5	1		
<i>World Inside, The.</i>	no		3	1	1		5	1		
Other Works w/ 1-4 Refs Only							67	46		
Tolkien, J. R. R. [John Ronald Reuel]	M	1	19	26	20	27	93	17	R: 19	A=054
<i>Lord of the Rings</i> trilogy-collection-set.	series		11	13	8	14	46	1		
<i>Hobbit, The.</i>	no		2	3	3	4	12	1		
<i>Fellowship of the Ring.</i>	no		3	3	3	1	10	1		
Other Works w/ 1-6 Refs Only							25	14		
Orwell, George	M	10	16	23	21	17	87	3	R: 20	A=079
<i>Nineteen Eighty-Four.</i>	no	9	15	18	19	16	77	1		
<i>Animal Farm .</i>	no	1	1	4	2	1	9	1		
<i>Keep the Aspidistra Flying.</i>	no						1	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Huxley, Aldous	M	17	29	14	13	13	86	8	R: 21	A=069
<i>Brave New World</i> [with and without <i>Brave New World Revisited</i>].	no	12	22	12	8	12	66	2		
<i>Island</i> .	no	1	4	1	1	1	8	1		
Other Works w/ 1-6 Refs Only							12	5		
Vonnegut, Kurt, Jr.	M	7	29	12	22	12	82	20	R: 22	A=048
<i>Player Piano</i> .	no	5	9	3	1	1	19	1		
<i>Slaughterhouse-Five</i> .	no		4	4	4	3	15	1		
Other Works w/ 1-9 Refs Only							48	18		
Campbell, John W., Jr. [aka: Don A. Stuart]	M	1	65	7	4	4	81	47	R: 23	A=023
"Who Goes There?"	sf	1	4	2		3	10	1		
<i>Mightiest Machine, The</i> .	no		7				7	1		
"Twilight."	sf		3	2	2		7	1		
Other Works w/ 1-4 Refs Only							57	44		
Blish, James	M	1	35	27	14		77	32	R: 24	A=025
<i>Case of Conscience, A</i> .	no	1	9	4	3		17	1		
<i>Cities in Flight</i> series- omnibus.	series		5		1		6	1		
Other Works w/ 1-4 Refs Only							54	30		
Shelley, Mary Wollstonecraft	F	2	13	18	20	24	77	3	R: 24	A=067
<i>Frankenstein; or, The Modern Prometheus</i> .	no	2	11	17	18	23	71	1		
<i>Last Man, The</i> .	no		1	1	2	1	5	1		
<i>Valpurga</i> .	no		1				1	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Kornbluth, C. M. [aka: 1/2 of Judd, Cyril]	M	2	36	11	18	7	74	31	R: 25	A=030
<i>Space Merchants, The</i> [aka: <i>Gravy Planet</i> ; with Frederik Pohl].	no	2	8	4	8	2	24	1	R: 25 & R:17	
"Marching Morons, The."	sf		1	3	2		6	1		
Other Works w/ 1-3 Refs Only							44	29		
Verne, Jules	M	2	3	12	27	30	74	34	R: 25	A=025
<i>De la Terre à la lune</i> [aka: <i>From the Earth to the Moon</i> .]	no		1		7	4	12	1		
<i>Voyage au centre de la terre</i> [aka: <i>Journey to the Center of the Earth</i> .]	no	1	1	4	1	2	9	1		
Other Works w/ 1-8 Refs Only							53	32		
Williamson, Jack	M	1	2	34	33	3	73	45	R: 26	A=018
<i>Darker Than You Think.</i>	no			3	4		7	1		
<i>Humanoids, The.</i>	no		1	2	2		5	1		
"Metal Man, The."	sf		1	1	2	1	5	1		
Other Works w/ 1-4 Refs Only							56	42		
Ellison, Harlan	M	2	20	12	29	6	69	29	R: 27	A=028
<i>Dangerous Visions</i> [series; <i>Dangerous Visions</i> ; <i>Again, Dangerous Visions</i> ; <i>The Last Dangerous Visions</i> [never pubd]]	bk-anth-series	2	5	2	4	1	15	4		
"I Have No Mouth, and I Must Scream."	sf		3		7	2	12	1		

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PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
"Repent, Harlequin!" said the Ticktockman."	sf		1	4	1		6	1		
Other Works w/ 1-5 Refs Only							36	23		
Gibson, William	M			2	35	31	68	14	R: 28	A=041
<i>Neuromancer.</i>	no			1	11	18	30	1		
<i>Count Zero.</i>	no				5	1	6	1		
<i>Mona Lisa Overdrive.</i>	no				6	1	6	1		
Other Works w/ 1-5 Refs Only							26	11		
Simak, Clifford	M	1	13	28	2	23	67	44	R: 29	A=018
<i>City.</i>	bk-coll- sf	1	7		1	4	13	1		
"Desertion."	sf			2		1	3	1		
Other Works w/ 1-2 Refs Only							51	42		
Borges, Jorge Luis	M	13	17	24	7	3	64	34	R: 30	A=018
<i>Ficciones.</i>	bk-coll- sf	2	1	3			6	1		
"Tlön Uqbar, Orbis Tertius."	sf	2	1	2			5	1		
Other Works w/ 1-4 Refs Only							53	32		
Farmer, Philip José [aka: Trout, Kilgore]	M		42	3	15	3	63	41	R: 31	A=017
"Riders of the Purple Wage."	sf		2		2		4	1		
<i>Venus on the Half-Shell.</i>	no		2	1		1	4	1		
Other Works w/ 1-3 Refs Only							55	39		
Miéville, China	M					63	63	22	R: 31	A=015
<i>Scar, The.</i>	no					13	13	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
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Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Perdido Street Station.</i>	no					10	10	1		
Other Works w/ 1-7 Refs Only							40	20		
Ballard, J. G. [James Graham]	M	8	8	8	26	13	62	39	R: 32	A=022
<i>Crystal World, The.</i>	no	2			2	1	5	1		
<i>Drowned World, The.</i>	no		1		2	2	5	1		
Other Works w/ 1-4 Refs Only							52	37		
Russ, Joanna	F	1	4	17	10	28	60	16	R: 33	A=044
<i>Female Man, The.</i>	no		2	8	5	12	27	1		
"When It Changed."	sf		1	4	1	5	11	1		
Other Works w/ 1-4 Refs Only							22	14		
Sheckley, Robert	M	1		56	3		60	36	R: 33	A=006
<i>Immortality Inc.</i> [aka: <i>Time Killers</i> ; <i>Immortality, Delivered</i>].	no			3			3	1		
"Seventh Victim, The."	sf			3			3	1		
Other Works w/ 1-2 Refs Only							54	34		
King, Stephen	M			44	5	10	59	31	R: 34	A=011
<i>Christine.</i>	no			5	1		6	1		
<i>Carrie.</i>	no			4		1	5	1		
Other Works w/ 1-4 Refs Only							48	28		
Bellamy, Edward	M	9	12	19	12	6	58	5	R: 35	A=045
<i>Looking Backward,</i> <i>2000-1887.</i>	no	7	9	13	10	4	43	1		
<i>Equality.</i>	no	1	2	5	1	1	10	1		
Other Works w/ 1-2 Refs Only							5	3		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Atwood, Margaret	F		31		5	20	56	35	R: 36	A=019
<i>Handmaid's Tale, The.</i>	no				4	12	16	1		
<i>Oryx and Crake.</i>	no					4	4	1		
Other Works w/ 1-3 Refs Only							36	33		
Wyndham, John	M	1	4	8	3	40	56	23	R: 36	A=016
<i>Day of the Triffids, The.</i>	no		2	3		4	9	1		
"Chocky."	sf					7	7	1		
Other Works w/ 1-5 Refs Only							40	21		
Burroughs, Edgar Rice	M		9	27	11	8	55	30	R: 37	A=016
<i>Mars-Barsoom-John Carter series.</i>	series			1	1	4	6	1		
<i>Tarzan of the Apes.</i>	no		1	1	3		5	1		
Other Works w/ 1-4 Refs Only							44	28		
Swift, Jonathan	M	4	7	12	20	11	54	10	R: 38	A=045
<i>Gulliver's Travels.</i>	no	4	7	12	14	7	44	1		
Other Works w/ 1-2 Refs Only							10	9		
Smith, Cordwainer [pso: Linebarger, Paul M. A.; aka: d'Este, Anthony; Forrest, Felix C.]	M	3	2	25	7	16	53	21	R: 39	A=010
"Game of Rat and Dragon, The."	sf	1	2	3	1	2	9	1		
<i>Norstrilia.</i>	no			3	1	1	5	1		
Other Works w/ 1-4 Refs Only							39	19		
Butler, Octavia E.	F			10	2	40	52	15	R: 40	A=020
<i>Xenogenesis</i> [aka: <i>Lilith's Brood</i> ; trilogy].	series					10	10	1		

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Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Kindred.</i>	no			2	1	2	5	1		
<i>Parable of the Sower.</i>	no					5	5	1		
Other Works w/ 1-4 Refs Only							32	12		
Niven, Larry	M		5	14	19	12	50	24	R: 41	A=027
<i>Ringworld.</i>	no		1		3	2	6	1		
<i>Known Space stories.</i>	series				4	1	5	1		
<i>Mote in God's Eye, The</i> [with Jerry Pournelle].	no		1	2	1	1	5	1	R: 41 & R: 70	
Other Works w/ 1-4 Refs Only							34	21		
Poe, Edgar Allan	M		18	14	12	6	50	28	R: 41	A=031
<i>Narrative of Arthur Gordon Pym, The.</i>	no		1	5	2		8	1		
"Fall of the House of Usher, The."	sf			2	1	1	4	1		
"Gold Bug, The."	sf			1	2	1	4	1		
Other Works w/ 1-3 Refs Only							34	25		
Stapledon, Olaf	M	8	18	8	12	3	48	10	R: 42	A=026
<i>Last and First Men.</i>	no	1	6	3	5		15	1		
<i>Star Maker.</i>	no	3	3	3	4		13	1		
Other Works w/ 1-5 Refs Only							20	8		
Sturgeon, Theodore	M	8	12	23	2	4	48	22	R: 42	A=028
<i>More Than Human.</i>	no	2	3	5	1	2	13	1		
<i>Venux Plus X.</i>	no		1	4		1	6	1		
Other Works w/ 1-3 Refs Only							29	20		
Howard, Robert E.	M				43	3	46	24	R: 43	A=004
<i>Conan-Hyborian series.</i>	series				2	2	4	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
"Frost-Giant's Daughter, The."	sf				3		3	1		
Other Works w/ 1-2 Refs Only							39	22		
Melville, Herman	M	4	4	8	24	6	46	14	R: 43	A=026
<i>Moby-Dick.</i>	no		4	4	7	3	18	1		
"Confidence-Man, The."	sf			1	3	1	5	1		
Other Works w/ 1-4 Refs Only							23	12		
Miller, Walter M., Jr.	M	4	8	10	21	3	46	10	R: 43	A=031
<i>Canticle for Leibowitz, A.</i>	no	4	7	10	9	3	33	1		
Other Works w/ 1-3 Refs Only							13	9		
van Vogt, A. E. [Alfred Elton]	M	1	11	4	23	7	46	21	R: 43	A=020
<i>Slan.</i>	no	1	2	2	5	1	11	1		
<i>World of Null-A, The</i> [aka: <i>World of A, The</i> .]	no		4		2		6	1		
Other Works w/ 1-3 Refs Only							29	19		
Vance, Jack	M		5	37	2	1	45	37	R: 44	A=011
<i>Dying Earth, The.</i>	no		2	1	1		4	1		
<i>Languages of Pao, The.</i>	no		2		1		3	1		
Other Works w/ 1-2 Refs Only							38	35		
Gunn, James	M			2	41	1	44	37	R: 45	A=009
<i>Road to Science Fiction, The.</i> [6v. Set]	bk-anth-series			1	8	1	10	7		
<i>Immortals, The.</i>	no			1	2		3	1		
Other Works w/ 1-2 Refs Only							31	29		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Haldeman, Joe	M			12	24	7	43	27	R: 46	A=012
<i>Forever War, The.</i>	no			4	2	3	9	1		
Other Works w/ 1-2 Refs Only							34	26		
MacDonald, George	M	1	1	18	21	2	43	15	R: 46	A=016
<i>Phantastes.</i>	no	1	1	4	4	2	12	1		
<i>Lilith.</i>	no			6	3		9	1		
Other Works w/ 1-4 Refs Only							22	13		
Anderson, Poul	M	2	10	6	17	7	42	31	R: 47	A=022
"Helping Hand, The."	sf	1	1	2			4	1		
Other Works w/ 1-2 Refs Only							38	30		
Bester, Alfred	M	4	8	7	22	1	42	19	R: 47	A=020
<i>Stars My Destination, The</i> [aka: <i>Tiger! Tiger!</i>].	no	2	3	2	4	1	12	1		
<i>Demolished Man, The.</i>	no	1	2	4	1		8	1		
Other Works w/ 1-4 Refs Only							22	17		
Lessing, Doris	F		4	19	15	4	42	14	R: 47	A=017
<i>Canopus in Argos: Archives.</i>	series						8	1		
<i>Briefing for a Descent into Hell.</i>	no						7	1		
Other Works w/ 1-4 Refs Only							27	12		
More, Thomas, St. Sir	M	4	10	13	11	4	42	1	R: 47	A=036
<i>Utopia.</i>	no	4	10	13	11	4	42			
Aldiss, Brian W.	M	2	17	7	4	11	41	24	R: 48	A=021
<i>Barefoot in the Head.</i>	no		3	1	1		5	1		
<i>Frankenstein Unbound.</i>	no		1	2			3	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Starship</i> [aka: <i>Non-Stop</i>].	no		2			1	3	1		
Other Works w/ 1-2 Refs Only							30	21		
Carroll, Lewis [pso: Dodgson, Charles Lutwidge]	M	1	3	8	18	11	41	16	R: 48	A=022
<i>Alice's Adventures in Wonderland.</i>	no	1	2	5	3	5	16	1		
<i>Through the Looking Glass.</i>	no			2	2	2	6	1		
<i>Alice</i> books [both <i>Wonderland</i> and <i>Looking Glass</i>]; set or omnibus].	series				3	2	5	2		
Other Works w/ 1-3 Refs Only							14	12		
Harrison, Harry	M	1	9	23		7	40	26	R: 49	A=019
<i>Make Room! Make Room!</i>	no		2	3			5	1		
<i>Transatlantic Tunnel, Hurrah!</i> [aka: <i>Tunnel Through the Deeps</i>].	no		1	3			4	1		
Other Works w/ 1-3 Refs Only							31	24		
Leiber, Fritz	M	4	3	6	24	3	40	32	R: 49	A=018
"Coming Attraction."	sf		1	2			3	1		
"Ill Met in Lankmar."	sf		1		2		3	1		
Other Works w/ 1-2 Refs Only							34	30		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Weiss, Jan	M				40		40	30	R: 49	A=001
<i>Dùm o 1000 patrech</i> [aka: <i>House of 1000 Storeys, The.</i>]	no				7		7	1		
Other Works w/ 1-2 Refs Only							33	29		
Homer	M		5	12	12	10	39	2	R: 50	A=031
<i>Odyssey, The .</i>	po		3	9	7	6	25	1		
<i>Illiad, The .</i>	po		2	3	5	4	14	1		
Moorcock, Michael	M		2	7	4	26	39	28	R: 50	A=015
"Behold the Man."	sf		1	4			5	1		
<i>Elric of Melniboné</i> [aka: <i>The Dreaming City</i>].	no					4	4	1		
Other Works w/ 1-2 Refs Only							30	26		
Moore, C. L. [Catherine Lucille; solo & as 1/2 of Lewis Padgett or Lawrence O'Donnell]	F	2	1	8	9	19	39	19	R: 50	A=016
"No Woman Born."	sf	1			3	12	16	1		
"Mimsey Were the Borogoves" [with Henry Kuttner, as: Lewis Padgett].	sf	1		2	1		4	1	R: 50 & R:67	
Other Works w/ 1-2 Refs Only							18	17		
Gernsback, Hugo	M	1	10	1	21	5	38	14	R: 51	A=013
<i>Ralph 124C 41+</i>	no	1	8	1	8	2	20	1		
<i>Baron Münchhausen's Scientific Adventures.</i>	sf series		2		7	1	10	8		
Other Works w/ 1-2 Refs Only							8	5		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Wolfe, Gene	M		2	1	20	15	38	23	R: 51	A=010
<i>Book of the New Sun.</i>	series				1	4	5	1		
Other Works w/ 1-2 Refs Only							33	22		
Bear, Greg	M			1	29	6	36	21	R: 52	A=009
<i>Blood Music.</i>	no				4	1	5	1		
<i>Eon.</i>	no				2	1	3	1		
<i>Strength of Stones.</i>	no				3		3	1		
Other Works w/ 1-2 Refs Only							25	18		
Hawthorne, Nathaniel	M	5	4	23	2	2	36	17	R: 52	A=022
<i>Scarlet Letter, The.</i>	no	1	3	3		1	8	1		
<i>Blithedale Romance.</i>	no		1	4	1		6	1		
"Rappacini's Daughter."	sf	1		2	1	1	5	1		
Other Works w/ 1-2 Refs Only							17	14		
Piercy, Marge	F			16	4	16	36	6	R: 52	A=027
<i>Woman on the Edge of Time.</i>	no			12	4	9	25	1		
<i>He, She, and It.</i>	no						6	1		
Other Works w/ 1-2 Refs Only							5	4		
Zamyatin, Yevgeny [also transliterated as: Zamiatin, Evgenii]	M	5	7	14	4	6	36	3	R: 52	A=031
<i>We.</i> [English ti.]	no	5	7	12	4	6	34	1		
Other Works w/ 1 Ref Only							2	2		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Eliot, T. S.	M	1	5	10	15	4	35	10	R: 53	A=033
<i>Waste Land, The.</i>	po	1	3	8	8	3	23	1		
<i>Hollow Men, The.</i>	po			1	2		3	1		
Other Works w/ 1-2 Refs Only							9	8		
Milton, John	M		6	13	9	7	35	7	R: 53	A=031
<i>Paradise Lost.</i>	po		6	10	7	6	29	1		
Other Works w/ 1-9 Refs Only							6	6		
Twain, Mark [pso: Clemens, Samuel Langhorne]	M		9	10	7	9	35	7	R: 53	A=028
<i>Adventures of Huckleberry Finn, The.</i>	no		3	2	5	3	13	1		
<i>Connecticut Yankee in King Arthur's Court, A.</i>	no		2	6	2	2	12	1		
Other Works w/ 1-5 Refs Only							10	5		
Hoshi Shinichi	M			34			34	32	R: 54	A=001
"Bokko-chan" [aka: "Bokko"].	sf			2			2	1		
"He--y, Come On Ou--t!" [aka: "Dete Koi!"].	sf			2			2	1		
Other Works w/ 1 Ref 'Only							30	30		
Joyce, James	M	2	12	7	7	6	34	4	R: 54	A=028
<i>Finnegan's Wake.</i>	no		7	3	3	2	15	1		
<i>Ulysses.</i>	no	1	4	3	3	4	15	1		
Other Works w/ 1-3 Refs Only							4	2		
Robinson, Kim Stanley	M	0	0	0	6	28	34	15	R: 54	A=014
<i>Mars trilogy.</i>	series				1	7	8	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Red Mars.</i>	no				3	3	6	1		
<i>Blue Mars.</i>	no				1	3	4	1		
<i>Green Mars.</i>	no				1	3	4	1		
Other Works w/ 1-2 Refs Only							12	11		
Doyle, Arthur Conan, Sir	M	2	1	1	20	9	33	20	R: 55	A=013
<i>Lost World, The.</i>	no	1	1		1	3	6	1		
<i>Poison Belt, The.</i>	no	1			1	1	3	1		
<i>Study in Scarlet, A.</i>	no				2	1	3	1		
Other Works w/ 1-2 Refs Only							21	17		
Bleek, Gordon Clive [aka: Belli, Luigi]	M					30	30	28	R: 57	A=001
<i>Crime Files</i> [aka: <i>Metal Monster</i>].	no					2	2	1		
<i>Master-Mind Menace.</i>	no					2	2	1		
Other Works w/ 1 Ref Only							26	26		
Villiers de l'Isle-Adam, Jean-Marie-Mathias- Philippe-Auguste	M					30	30	18	R: 57	A=001
<i>Ève future, L'</i> [aka: <i>Ève nouvelle, L'</i> ; <i>Tomorrow's Eve</i> ; <i>Eve of the Future Eden</i>].	no					7	7	1		
Other Works w/ 1-2 Refs Only							23	17		
Burgess, Anthony	M	1	17	4	6	1	29	4	R: 58	A=022
<i>Clockwork Orange, A.</i>	no	1	13	4	4	1	23	1		
<i>Wanting Seed, The.</i>	no		4				4	1		
Other Works w/ 1 Ref Only							2	2		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Campbell, Ramsay	M			2		27	29	28	R: 58	A=002
"Worst Fog of the Year, The."	sf					2	2	1		
Other Works w/ 1 Ref Only							27	27		
Dante Alighieri	M	1	9	9	4	6	29	3	R: 58	A=026
<i>Divine Comedy, The..</i>	po	1	5	6	2	2	16	1		
<i>Inferno.</i>	po		3	1	2	3	9	1		
<i>Paradiso.</i>	po		1	2		1	4	1		
del Rey, Lester	M	5	2	15	3	4	29	17	R: 58	A=012
"Helen O'Loy."	sf	1	1	1	3	4	10	1		
Other Works w/ 1-2 Refs Only							19	16		
Dunsany, Edward John Moreton Drax Plunkett, Lord	M		2	4	22	1	29	24	R: 58	A=009
<i>King of Elfland's Daughter, The.</i>	no		1	2		1	4	1		
Other Works w/ 1-2 Refs Only							25	23		
Brunner, John	M		12	7	5	4	28	7	R: 59	A=022
<i>Stand on Zanzibar.</i>	no		7	3	4	3	17	1		
<i>Shockwave Rider, The.</i>	no		1	2	1		4	1		
Other Works w/ 1-2 Refs Only							7	5		
Butler, Samuel	M	20	2	2	3	1	28	2	R: 59	A=012
<i>Erewhon; or, Over the Range.</i>	no	16	2	2	3	1	24	1		
<i>Erewhon Revisited, Twenty Years Later.</i>	no	4					4	1		
Charnas, Suzy McKee	F			9	3	16	28	9	R: 59	A=014
<i>Motherlines.</i>	no			4	1	3	8	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Walk to the End of the World.</i>	no			2	1	4	7	1		
Other Works w/ 1-6 Refs Only							13	7		
Clement, Hal [pso: Stubbs, Harry C.]	M		3	4	18	3	28	15	R: 59	A=010
<i>Mission of Gravity.</i>	no		2	1	5	1	9	1		
<i>Needle.</i>	no				3		3	1		
Other Works w/ 1-2 Refs Only							16	13		
Dickson, Gordon R.	M	1	17		9	1	28	17	R: 59	A=011
<i>Dorsai series.</i>	series		1		3	1	5	1		
<i>Dorsai!</i>	no	1	1		1		3	1		
<i>Tactics of Mistake.</i>	no		2		1		3	1		
Other Works w/ 1-2 Refs Only							17	14		
Bradley, Marion Zimmer	F		2	6	12	7	27	13	R: 60	A=017
<i>Darkover series.</i>	series		1	2	1	4	8	1		
<i>Mists of Avalon, The.</i>	no				5		5	1		
<i>Ruins of Isis, The.</i>	no			2	2		4	1		
Other Works w/ 1 Ref Only							10	10		
Ryman, Geoff	M					26	26	12	R: 61	A=007
<i>Air, or, Have Not Have.</i>	no					5	5	1		
<i>Child Garden, The.</i>	no					4	4	1		
<i>Was.</i>	no					4	4	1		
Other Works w/ 1-3 Refs Only							13	9		
Saberhagen, Fred	M		23		3		26	16	R: 61	A=004
<i>Bererker series.</i>	series		1		1		2	1		
<i>Bererker's Planet.</i>	no		2				2	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10	11-20	21-30	31-40	41-50	Total: v1-50 1959-2009			
		1959- 1969	1969- 1979	1980- 1989	1990- 1999	2000- 2009	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
"Face of the Deep, The."	sf		2				2	1		
"Fortress Ship" [aka: "Without a Thought"].	sf		2				2	1		
"Goodlife."	sf		2				2	1		
"In the Temple of Mars."	sf		2				2	1		
"Patron of the Arts."	sf		2				2	1		
"Peacemaker" [aka: "Life Hater, The"].	sf		2				2	1		
"Starsong" [aka: "Diminuendo"].	sf		2				2	1		
"Stone Place."	sf		2				2	1		
Other Works w/ 1 Ref Only							6	6		
Cherryh, C. J. [Carolyn Janice]	F			20	2	3	25	21	R: 62	A=006
<i>Faded Sun</i> series.	series			2			2	1		
<i>Gates of Ivrel.</i>	no			1		1	2	1		
<i>Kutath.</i>	no			2			2	1		
<i>Shon'jir.</i>	no			2			2	1		
Other Works w/ 1 Ref Only							17	17		
Bujold, Lois McMaster	F				11	13	24	15	R: 63	A=005
<i>Barrayar.</i>	no					3	3	1		
<i>Mirror Dance.</i>	no				1	2	3	1		
Other Works w/ 1-2 Refs Only							18	13		
Conrad, Joseph	M	2	14	1	5	1	23	10	R: 64	A=015
<i>Heart of Darkness.</i>	no	2	2	1	3	1	9	1		
<i>Lord Jim.</i>	no		3		1		4	1		
Other Works w/ 1-2 Refs Only							10	8		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
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Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Eliot, George	F		8	11	2	2	23	10	R: 64	A=006
<i>Middlemarch.</i>	no		1	2	1	2	6	1		
"Lifted Veil, The."	sf		2	1	1		4	1		
Other Works w/ 1-2 Refs Only							13	8		
James, Henry	M	1		8	6	8	23	10	R: 64	A=014
<i>Turn of the Screw, The.</i>	no			5	1	4	10	1		
Other Works w/ 1-2 Refs Only							13	9		
Morris, William	M	2	4	4	6	7	23	11	R: 64	A=019
<i>News from Nowhere.</i>	no		2	3	3	2	10	1		
<i>Wood Beyond the World, The.</i>	no	1	1	1			3	1		
Other Works w/ 1-2 Refs Only							10	9		
Stevenson, Robert Louis	M	1	3	4	4	11	23	4	R: 64	A=019
"Strange Case of Dr. Jekyll and Mr. Hyde."	sf	1	3	4	4	6	18	1		
<i>Treasure Island.</i>	no					3	3	1		
Other Works w/ 1 Ref Only							2	2		
Appleton, Victor [ps; when real name not given in text]	PS	2	1	1	1	17	22	15	R: 65	A=007
<i>Tom Swift</i> series.	series	2	1	1	1	2	7	1		
Other Works w/ 1-2 Refs Only							15	14		
Calvino, Italo	M			1	20	1	22	18	R: 65	A=006
<i>Cosmicomics</i> [aka: <i>Cosmicomiches, Le</i>].	bk-coll- sf				3		3	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Invisible Cities</i> [aka: <i>città invisibili</i> , <i>Le</i>].	no				1	1	2	1		
<i>T Zero</i> [aka: <i>Ti con zero</i>].	bk-coll- sf				2		2	1		
Other Works w/ 1 Ref Only							15	15		
Benford, Gregory	M			4	11	6	21	14	R: 66	A=014
<i>Timescape</i> .	no			1		3	4	1		
"Exposures."	sf				1	2	3	1		
Other Works w/ 1-2 Refs Only							14	12		
De Camp, L. Sprague	M	1	1	1	14	4	21	18	R: 66	A=010
"Wheels of If, The."	sf		1			2	3	1		
Other Works w/ 1-2 Refs Only							18	17		
Kafka, Franz	M		1	8	4	8	21	8	R: 66	A=017
"Metamorphosis, The."	sf		1	6	1	2	10	1		
<i>Trial</i> [aka: <i>Prozess</i> , <i>Der</i>].	no			2	1	1	4	1		
Other Works w/ 1-2 Refs Only							7	6		
Lee, Tanith	F			12	7	2	21	19	R: 66	A=007
<i>Sabella, or the Blood Stone</i> .	no			2			2	1		
<i>Silver Metal Lover, The</i> .	no				1	1	2	1		
Other Works w/ 1 Ref Only							17	17		
Varley, John	M			15	3	3	21	15	R: 66	A=011
<i>Ophiuchi Hotline, The</i> .	no			3			3	1		
Other Works w/ 1-2 Refs Only							18	14		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
Boucher, Anthony [ps: White, William Anthony Parker]	M			1	4	15	20	14	R: 67	A=007
<i>Best from Fantasy & Science Fiction</i> series & various volumes.	bk-anth- series				1	2	3	3		
"Quest for St. Aquin, The."	sf			1	2		3	1		
Other Works w/ 1-2 Refs Only							14	10		
Elgin, Suzette Haden	F			5	1	14	20	11	R: 67	A=010
<i>Native Tongue.</i>	no			1	1	5	7	1		
Other Works w/ 1-2 Refs Only							13	10		
Forster, E. M.	M	3	5	3	5	4	20	3	R: 67	A=018
"Machine Stops, The."	sf	3	4	3	4	3	17	1		
Other Works w/ 1-2 Refs Only							3	2		
Kuttner, Henry [solo & as 1/2 of Lewis Padgett or Lawrence O'Donnell]	M	2	5	7	5	1	20	12	R: 67	A=012
<i>Fairy Chessmen, The.</i>	no		2	2			4	1		
"Mimsey Were the Borogoves" [with C. L. Moore, as: Lewis Padgett].	sf	1		2	1		4	1	R: 67 & R: 50	
Other Works w/ 1-2 Refs Only							12	10		
McIntyre, Vonda N.	F		3	14	3		20	10	R: 67	A=011
<i>Dreamsnake.</i>	no			3	2		5	1		
"Of Mist, and Grass, and Sand."	sf		1	2			3	1		

APPENDIX I -- Part C (continued): Most Frequently Referenced Primary Authors and Their Most Frequently Referenced Primary Works										
PRIMARY AUTHOR Referenced	Gender	1-10 1959- 1969	11-20 1969- 1979	21-30 1980- 1989	31-40 1990- 1999	41-50 2000- 2009	Total: v1-50 1959-2009			
Primary Work Referenced	Pri Wk Type	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Pri Refs	# Diff P Wks	Rank	# Diff Arts
<i>Superluminal.</i>	no			2	1		3	1		
Other Works w/ 1-2 Refs Only							9	7		
Norton, Andre	F		5	13	1	1	20	16	R: 67	A=010
<i>Star Man's Son 2250 A.D.</i>	no			3			3	1		
Other Works w/ 1-2 Refs Only							17	15		
Peake, Mervyn	M			13	3	4	20	6	R: 67	A=006
<i>Gormenghast</i> trilogy-series.	series			1	1	3	5	1		
<i>Titus Alone.</i>	no			5			5	1		
<i>Titus Groan.</i>	no			2	1	1	4	1		
<i>Gormenghast</i> [novel].	no			2	1		3	1		
Other Works w/ 1-2 Refs Only							3	2		
<p>Note: Work Type Abbreviations: bk-anth-sf = book anthology of short fictions edited by primary author; bk-coll-sf = book collection of short fictions by primary author; no = novel; po = poem; series = collective title for a series of works; sf = short fiction; pso = pseudonym of.</p> <p>Note: # Pri[mary] Ref[erence]s is the total of both Formal and Informal References given to an author or a work.</p> <p>Note: # Diff P Wks = # of Different Primary Works by Primary Author which are counted.</p>										

Appendix J -- Part A:
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
MAGAZINES and JOURNALS													
<i>Adventure</i>					3	11					3	11	14
<i>Adventure Comics</i> [cb]									1		1	0	1
<i>Air Wonder Stories</i> [f&sf]						3	2				2	3	5
<i>All Star Comics</i> [cb]									1		0	1	1
<i>All-Story Magazine</i> / [Golden] <i>Argosy</i> / <i>Argosy All-Story</i> / <i>Argosy Weekly</i> / <i>The Argosy</i>					3		3	2	2	1	8	3	11
<i>Alpha Flight</i> [cb]									1		1	0	1
<i>Altair</i> [Australia; f&sf]									1		1	0	1
<i>Amateur Science Stories</i> [sp-fmz-aj]					1						1	0	1
<i>Amazing Stories</i> / <i>Amazing Science Fiction</i> [f&sf]			13	2	13	4	30	12	7	3	63	21	84
<i>Amazing Stories Quarterly</i> [f&sf]	1		4	1	1	2		1		1	6	5	11
<i>Amberzine</i> [sp-fmz-aj]									1		1	0	1
<i>American Flagg!</i> [cb]							1	1			1	1	2
<i>American Legion Magazine</i>							1	1	2		3	1	4
<i>Anabis</i> [sp-fmz-aj; ed. Horst Christiani]				1							0	1	1
<i>Anti-Jacobin, The</i>				1							0	1	1
<i>Arts in Society</i>				1							0	1	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Asimov's Science Fiction / Isaac Asimov's Science Fiction Magazine</i> [f&sf]						1	9		1		10	1	11
<i>Astonishing Stories</i> [f&sf]				1		1	1		1		2	2	4
<i>Astounding / Analog</i> [f&sf]		3	23	14	25	17	52	1	24	16	124	51	175
<i>Atlantic Monthly</i>						1					0	1	1
<i>Avengers</i> [cb]					11	6					11	6	17
<i>Avengers Annual</i> [cb]					1						1	0	1
<i>Avon Fantasy Reader</i> [f&sf]							1				1	0	1
<i>Avon Science Fiction Reader</i> [f&sf]					1						1	0	1
<i>Batman</i> [cb]									3		3	0	3
<i>Beside My Self</i> [sp-fmz-aj]									1		1	0	1
<i>Black and White Magazine</i>			1								1	0	1
<i>Black Goliath</i> [cb]									1		1	0	1
<i>Black Kiss</i> [cb]							1				1	0	1
<i>Black Lightning</i> [cb]									1		1	0	1
<i>Black Panther</i> [cb]									1		1	0	1
<i>Blackhawk</i> [cb]							1				1	0	1
<i>Blackwood's / Blackwood's Edinburgh Magazine</i>	1	1						1	1		2	2	4
<i>Bluebook / Blue Book</i>					1			2			1	2	3

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Bookman, The</i>							1				1	0	1
<i>Boy's Life</i> [Boy Scouts of America]									1	2	1	2	3
<i>Boys of New York</i> [story paper]					8						8	0	8
<i>Brave and the Bold, The</i> [cb]									1		1	0	1
<i>Calling All Girls</i>									1		1	0	1
<i>Captain Future</i> [f&sf]										1	0	1	1
<i>Cesta</i> [CZ]								1			0	1	1
<i>Collier's</i>	1	2			3		1				5	2	7
<i>Contest, The</i> [cb]										1	0	1	1
<i>Cosmopolitan</i>		2			1			1	1	1	2	4	6
<i>Court and Society Review, The</i>									1		1	0	1
<i>CRANK!</i> [cb]							1				1	0	1
<i>Crisis on Infinite Earths</i> [cb mini-series]										1	0	1	1
<i>DC: The New Frontier</i> [cb]									1		1	0	1
<i>Detective Comics</i> [cb]									2	1	2	1	3
<i>Dial, The</i>						1					0	1	1
<i>Dublin University Magazine</i>				1							0	1	1
<i>Dynamic Science Fiction</i> [f&sf]					1		1				2	0	2
<i>Ellery Queen's Mystery Magazine</i>		1							1		1	1	2

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>English Illustrated Magazine</i>			1								1	0	1
<i>Eucuyo [Euclid High School, Cleveland, OH, literary mag]</i>								2			0	2	2
<i>Evergreen Review</i>		1									0	1	1
<i>Everybody's Magazine</i>	1										1	0	1
<i>Extrapolation [scholarly; f&sf]</i>						4				2	0	6	6
<i>Famous Fantastic Mysteries [f&sf]</i>					1						1	0	1
<i>Famous Western</i>							1				1	0	1
<i>Fantastic / Fantastic Science Fiction / Fantastic Stories of Imagination [f&sf]</i>					1		2		1		4	0	4
<i>Fantastic Adventures [f&sf]</i>							6				6	0	6
<i>Fantastic Four [cb]</i>					2	1					2	1	3
<i>Fantastic Novels Magazine [f&sf]</i>	1										1	0	1
<i>Fantastic Universe Science Fiction [f&sf]</i>					1		2				3	0	3
<i>Fantasy [UK; 1938-1939] [f&sf]</i>									2		0	2	2
<i>Fantasy [UK; 1946-1947] [f&sf]</i>					2						2	0	2
<i>Fantasy Book [f&sf]</i>		1									0	1	1
<i>Fantasy Fan [sp-fmz-aj]</i>						1	1				1	1	2
<i>Fantasy Fiction / Fantasy Magazine [f&sf]</i>					1		1				2	0	2
<i>Fantasy Macabre [sp-fmz-aj]</i>							1				1	0	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Feminist Studies</i>							1				1	0	1
<i>Fiction</i> [1881-1882]	1										1	0	1
<i>First Time</i> [sp-fmz-aj]									1		1	0	1
<i>Flash</i> [cb]									1		1	0	1
<i>Forerunner, The</i>					1						1	0	1
<i>Fortune</i>					1						1	0	1
<i>Friend, The</i> [youth; Augsburg Pubg Hs, Christian Literature Col., Mpls]						2					0	2	2
<i>Future Fiction / Future combined with Science Fiction / Future Science Fiction</i> [f&sf]					1		3		1		5	0	5
<i>Galaxy Science Fiction / Galaxy Magazine</i> [f&sf]	1	4	3	3	24	1	4	2	3	1	35	11	46
<i>Golden Hours</i> [juvenile]					2			1			2	1	3
<i>Good Housekeeping</i> [UK]									1		1	0	1
<i>Good News</i>					2						2	0	2
<i>Good Words for the Young</i> [juvenile]								1			0	1	1
<i>Graphic</i> [UK]	1		1								2	0	2
<i>Harper's / Harper's New Monthly</i>			1								1	0	1
<i>Harper's Bazaar</i>									1		1	0	1
<i>Harper's Weekly</i>	1										1	0	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Holiday</i>					1						1	0	1
<i>Hulk / Incredible Hulk</i> [cb]					6	2					6	2	8
<i>Icon</i> [cb]									1		1	0	1
<i>If / Worlds of If</i> [f&sf]			10		4		3				17	0	17
<i>Imagination</i> [f&sf]						1	1		1		2	1	3
<i>Impulse / sf Impulse</i> [f&sf]				1					1		1	1	2
<i>Infinity Science Fiction</i> [f&sf]					3						3	0	3
<i>Inside</i> [sp-fmz-aj]						1					0	1	1
<i>James Joyce Quarterly</i>			1								1	0	1
<i>Jungle Action</i> [cb]									1		1	0	1
<i>Kenyon Review</i>			1								1	0	1
<i>Kobalt</i> [cb]									1		1	0	1
<i>Lilliput</i>					1						1	0	1
<i>Literary Cavalcade</i>								1			0	1	1
<i>Luke Cage: Heros for Hire</i> [cb]									1		1	0	1
<i>Luke Cage: Powerman</i> [cb]									1		1	0	1
<i>Luke Cage: Powerman and Iron Fist</i> [cb]									1		1	0	1
<i>MacLean's</i> [CA]				1							0	1	1
<i>Mad Magazine</i> [cb]									1		1	0	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Magazine of Fantasy & Science Fiction</i> [f&sf]			3	1	21	2	25	1	6	3	55	7	62
<i>Marvel Premiere</i> [cb]					2	1			1		3	1	4
<i>Marvel Science Stories</i> [f&sf]					1						1	0	1
<i>Marvel Team-Up</i> [cb]					1	1					1	1	2
<i>Marvel Two-In-One</i> [cb]					3						3	0	3
<i>Marvel Two-In-One Annual</i> [cb]					1						1	0	1
<i>Millenium Edition: Action Comics 1938</i> [cb]									1		1	0	1
<i>Modern Electrics / Electrical Experimenter / Science and Invention</i>			1	2			6		1	1	8	3	11
<i>More Fun Comics</i> [cb]									1		1	0	1
<i>Moreana</i>					1						1	0	1
<i>Mystery Book Magazine</i>									1		1	0	1
<i>Mystery in Space</i> [cb]									20	5	20	5	25
<i>Mystery Novels Magazine</i>									1		1	0	1
<i>National Lampoon</i> [cb]			1								1	0	1
<i>New American Review</i>							1				1	0	1
<i>New Directions</i>		1									0	1	1
<i>New English Review</i>	1										1	0	1
<i>New Titans, The</i> [cb]									1		1	0	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>New Worlds / New Worlds Science Fiction / New Worlds Quarterly</i> [f&sf]			1	1	5		1		1	5	8	6	14
<i>New Yorker</i>	1	2			1				1	1	3	3	6
<i>Omni</i> [f&sf]					2		3	1			5	1	6
<i>Pacific Quarterly / Moana</i>					1						1	0	1
<i>Panorama of Czech Literature</i>							1				1	0	1
<i>Paradise Lost</i> [Wonder Woman; cb]										1	0	1	1
<i>Paris Review, The</i>							1				1	0	1
<i>Pearson's Magazine</i>									1	2	1	2	3
<i>Pine Cones</i> [sp-fmz-aj; ed. John Clinton Pryor]						1					0	1	1
<i>Pirate Writings: Tales of Fantasy, Mystery & Science Fiction</i> [f&sf]									1		1	0	1
<i>Planet Stories</i> [f&sf]					1						1	0	1
<i>Playboy</i>			1	1	2	1					3	2	5
<i>Princess</i> [UK]										1	0	1	1
<i>Punch, or the London Charivari</i>									3		3	0	3
<i>Realms of Fantasy</i> [f&sf]									1		1	0	1
<i>Revue de deux mondes</i>							1				1	0	1
<i>Revue des Lettres et des Arts</i>										1	0	1	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Revue philosophique et religieuse</i>			1								1	0	1
<i>Sandman, The</i> [cb]									3		0	3	3
<i>Saturday Evening Post</i>		3			1		2		5	1	8	4	12
<i>Saturn / Saturn Web Detective Stories</i> [f&sf]					1						1	0	1
<i>Science Fantasy</i> [f&sf]		1									0	1	1
<i>Science Fiction</i> [f&sf]							1				1	0	1
<i>Science Fiction Adventures</i> [f&sf]							1				1	0	1
<i>Science Fiction Quarterly</i> [f&sf]					1		1				2	0	2
<i>Science Schools Journal</i> [UK]				2							0	2	2
<i>Science Wonder Quarterly / Wonder Stories Quarterly</i> [f&sf]						3			1		0	4	4
<i>Wonder Stories / Thrilling Wonder Stories</i> [f&sf]			8		4	12	5	1	5	5	22	18	40
<i>Scientific Detective Monthly</i> [f&sf]						1					0	1	1
<i>Scientific Magazine</i> [Junior Scientific Association, San Francisco; sp-fmz-aj]						1					0	1	1
<i>Scorpion, The</i> [cb]							1				1	0	1
<i>Script</i>			1								1	0	1
<i>Senior Prom</i>									1		1	0	1
<i>Sensation Comics</i> [cb]									3		0	3	3

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Shadow, The</i> [cb]							1				1	0	1
<i>Showcase</i> [cb]									1		1	0	1
<i>Skyline</i> [Western Reserve U]								1			0	1	1
<i>Southern Literary Messenger</i>					1						1	0	1
<i>Space Science Fiction</i> [f&sf]							1				1	0	1
<i>St. Nicholas</i>								1			0	1	1
<i>Star Trek</i> [cb]								3			0	3	3
<i>Star Trek slashzines</i> [miscellaneous collection; sp-fmz-aj]								1			0	1	1
<i>Star Trek: The Next Generation-X-Men: Second Contact</i> [cb]									1		1	0	1
<i>Star Wars</i> [cb]								1			0	1	1
<i>Startling Stories</i> [f&sf]			1		3	1	4		2	1	10	2	12
<i>Strange Tales</i> [cb]					4						4	0	4
<i>Summertime</i>					1						1	0	1
<i>Super Science Stories</i> [f&sf]						1	1		1		2	1	3
<i>T"hy"la</i> [sp-fmz-aj]									1		1	0	1
<i>Tales of the Frightened</i> [f&sf]									1	1	1	1	2
<i>Tales to Astonish</i> [cb]					3						3	0	3
<i>Tekhnika-molodezhi</i> [RU]		1									0	1	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Ten Story Fantasy</i> [f&sf]					1						1	0	1
<i>Tensor</i> [sp-fmz-aj; ed. Langdon Jones]									1		0	1	1
<i>Thor</i> [cb]					6						6	0	6
<i>Thrills Incorporated</i> [f&sf]									15		0	15	15
<i>Town and Country</i>							1		1		2	0	2
<i>Two Complete Science Adventure Books</i> [f&sf]					1						1	0	1
<i>Unión</i> [Cuba]									3		3	0	3
<i>Universe Science Fiction</i> [f&sf]							1				1	0	1
<i>University of Chicago Law Review</i>					1						1	0	1
<i>Unknown / Unknown Worlds</i> [f&sf]			1		1		1	1			3	1	4
<i>Vagrant, The</i> [sp-fmz-aj; ed. W. Paul Cook; dates]					1						1	0	1
<i>Vanity Fair</i>									1		0	1	1
<i>Venture Science Fiction</i> [f&sf]							2				2	0	2
<i>Vie moderne, La</i>									1		1	0	1
<i>Warlock</i> [cb]					12	1					12	1	13
<i>Watchmen</i> [cb]									1		0	1	1
<i>Weird Tales</i> [f&sf]			1			3	18		1	5	20	8	28
<i>Witch's Tales</i>									1		0	1	1
<i>Wonder Woman</i> [cb]									2	7	2	7	9

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Worlds Beyond</i> [f&sf]							1				1	0	1
<i>World's Finest Comics</i> [cb]									1		1	0	1
<i>Worlds of Tomorrow</i> [f&sf]			1				1				2	0	2
<i>Young Folks</i>									1		0	1	1
<i>Zeitung für die elegante Welt</i>					1						1	0	1
<i>Zenith</i> [sp-fmz-aj]					1						1	0	1
NEWSPAPERS													
<i>Bath Herald</i> [UK]									1		1	0	1
<i>Boston Post</i> [US]									1	1	1	1	2
<i>Cambrian, The</i> [UK]									2		2	0	2
<i>Étoile française, L'</i> [FR]									1		1	0	1
<i>Evening News</i> [London; UK]					1		1				2	0	2
<i>Galois, Le</i> [FR]									1		1	0	1
<i>Hatchet</i> [George Washington U; US]									1		1	0	1
<i>Los Angeles Times</i> [US]							1				1	0	1
<i>New York Evening Journal</i> [US]					1				2	1	3	1	4
<i>New York Journal</i> [US]								1			0	1	1
<i>New York Sun</i> [US]			1								1	0	1

Appendix J -- Part A (continued):
Publication Venues: All Serial Publications Publishing Primary Works:
Formal and Informal References Given to Magazines, Journals, or Newspapers, in *Extrapolation*, by Decade

Serial Title(s)	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total: 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>New York Sunday News</i> [US]							1	1			1	1	2
<i>Schlesischen Zeitung</i> [DE]										1	0	1	1

Note: Serial titles may indicate alternate titles; **cb** = comic books are noted as [**cb**]; *f&sf* = fantasy and science fiction prozines; **sp-fmz-aj** = semi-prozines, fanzines and other amateur journalism publications.

Note: Newspapers indicate country of origin: France [**FR**]; Germany [**DE**]; United Kingdom [**UK**], or United States [**US**].

Appendix J -- Part B:
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
	ANTHOLOGIES and ANTHOLOGY SERIES												
<i>Adventure's Best Stories--1926.</i> Ed. Arthur Sullivant Hoffman.					19						19	0	19
<i>Adventures in Time and Space.</i> Ed. Raymond Healy; J. Francis McComas.		2		1	2	1					2	4	6
<i>American Utopias: Selected Short Fiction.</i> Ed. Arthur O. Lewis.				3		1					0	4	4
<i>Arabian Nights.</i> Various editions.				2				2		3	0	7	7
<i>Astounding Analog Reader.</i> Ed. Harry Harrison; Brian Aldiss.						5					0	5	5
<i>Aurora: Beyond Equality.</i> Ed. Vonda N. McIntyre; Susan Janice Anderson.			1	1	3						4	1	5
<i>Before the Golden Age.</i> Ed. Isaac Asimov.					1	3	2		1	1	4	4	8
<i>Best American Short Stories.</i> Various editors. [anthology series]							10	2			10	2	12
<i>Best of Fantasy and Science Fiction, The: [#] Series.</i> Various editors. [anthology series]			2		2		1		6		11	0	11
<i>Best of Science Fiction, The.</i> Ed. Groff Conklin.		2	1			1	1				2	3	5
<i>Best Science Fiction of the Year [#], The.</i> Ed. Terry Carr. [anthology series]					2	3					2	3	5

**Appendix J -- Part B (continued):
 Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
 Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Best Science Fiction Stories and Novels, The: [year].</i> Ed. T. E. Dikty; E. F. Bleiler. [anthology series]		1					2				2	1	3
<i>Best SF #.</i> Ed. Edmund Crispin. [anthology series]			1						2		3	0	3
<i>Bio-Futures: Science Fiction Stories About Biological Metamorphosis.</i> Ed. Pamela Sargent.					4						4	0	4
<i>Borderland.</i> Ed. Terry Windling; Mark Alan Arnold.							5				5	0	5
<i>Clones.</i> Ed. Jack Dann; Gardner Dozois.									9		9	0	9
<i>Cybersex.</i> Ed. Richard Glyn Jones.									4		4	0	4
<i>Dangerous Visions.</i> Ed. Harlan Ellison. [1967]; <i>Again, Dangerous Vision.</i> Ed Harlan Ellison. [1972]; <i>The Last Dangerous Visions.</i> Ed. Harlan Ellison. [never pubd]	2		3	5	1	2	5	2	2	1	11	12	23
<i>Daring to Dream: Utopian Stories by United States Women 1836-1919.</i> [1984] [aka: <i>Daring to Dream: Utopian Fiction by United States Women Before 1950.</i> Ed. Carol Farley Kessler. 2nd ed. 1995]					1		3		1		5	0	5
<i>England Swings SF: Stories of Speculative Fiction.</i> Ed. Judith Merrill.	1		1	1			1	1		1	2	4	6

Appendix J -- Part B (continued):
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
	<i>English Folk and Fairy Tales</i> . Ed. Joseph Jacobs. 3rd ed rev.					1	10					1	10	11
<i>Fantasia Mathematica</i> . Ed. Clifton Fadiman.					10						10	0	10
<i>Frank Reade Library, The</i> . Ed. E. F. Bleiler. [10 v. set]					11						11	0	11
<i>French Utopias: An Anthology of Ideal Societies</i> . Ed. Frank E. Manuel; Fritzie Manuel.				4							0	4	4
<i>Future Perfect: American Science Fiction of the Nineteenth Century</i> . Ed. H. Bruce Franklin.		2	3		1		1		1		6	2	8
<i>Hugo Winners, The</i> . Ed. Isaac Asimov. [anthology series]			1			2	1				2	2	4
<i>Isaac Asimov Presents the Great SF Stories # (year)</i> . Ed. Isaac Asimov, Martin Greenberg. [anthology series]					6		1		2		9	0	9
<i>Liavek</i> . Ed. Will Shetterly; Emma Bull. [anthology series]							6				6	0	6
<i>Lichtjahr #</i> . Ed. Erik Simon. [anthology series]									4		4	0	4
<i>Mathematical Magpie, The</i> . Ed. Clifton Fadiman.					6	1					6	1	7
<i>Millennial Women</i> . Ed. Virginia Kidd.					1				2		3	0	3

Appendix J -- Part B (continued):
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
	<i>Mirror of Infinity, The</i> . Ed. Robert Silverberg.			5	1					3		8	1	9
<i>Modern Science Fiction</i> . Ed. Norman Spinrad.				1	2					1	2	2	4
<i>Nebula Award Stories # / Nebula Winners #</i> . Various editors.			2		1		2		1		6	0	6
<i>New Atlantis, The, and Other Novellas of Science Fiction</i> . Ed. Robert Silverberg.					2				1		3	0	3
<i>New Dimensions #</i> . Ed. Robert Silverberg. [anthology series]			1		2				3	1	6	1	7
<i>Northern Stars: The Anthology of Canadian Science Fiction</i> . Ed. David G. Hartwell; Glenn Grant.									3		3	0	3
<i>Northern Suns</i> . Ed. David G. Hartwell; Glenn Grant.									4		4	0	4
<i>Norton Anthology of English Literature, The</i> . Ed. M. H. Abrams et al. [multiple editions]					2	1	3	4			5	5	10
<i>Norton Book of Science Fiction, The</i> . Ed. Ursula K. Le Guin; Brian Attebery.							2		3	3	5	3	8
<i>Nova #</i> . Ed. Harry Harrison. [anthology series]		1			2						2	1	3
<i>Od Lukijana do Lunjika</i> . Ed. Darko Suvin.			1							3	1	3	4
<i>Omega</i> . Ed. Roger Elwood.					3						3	0	3

Appendix J -- Part B (continued):
Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>Orbit</i> #. Ed. Damon Knight. [anthology series]		1	1						1		2	1	3
<i>Other Worlds, Other Seas</i> . Ed. Darko Suvin.							1			14	1	14	15
<i>Pocket Book of Science Fiction</i> . Ed. Donald A. Wollheim.		1				1		1			0	3	3
<i>POLY: New Speculative Writing</i> . Ed. Lee Ballentine.									1	4	1	4	5
<i>Portable Novels of Science</i> . Ed. Donald Wollheim.		1				1		1			0	3	3
<i>Road to Science Fiction, The, #</i> . Ed. James Gunn. [6 v. set]						5		6	4	5	16	4	20
<i>Romanticism: An Anthology</i> . Ed. Duncan Wu.										3	3	0	3
<i>Science Fiction Hall of Fame, The</i> . Ed. Robert Silverberg; Ed. Ben Bova. [2 v. set].			6	5	3	2	6		3		18	7	25
<i>Science Fiction: The Science Fiction Research Association Anthology</i> . Ed. Patricia S. Warrick; Charles G. Waugh; Martin H. Greenberg.										5	5	0	5
<i>Selected Short Stories of Today</i> . Ed. Dorothy Scarborough.							1	4			1	4	5

**Appendix J -- Part B (continued):
 Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
 Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
<i>SF: The Year's Greatest Science-Fiction and Fantasy / Year's Best S-F.</i> Ed. Judith Merril. [anthology series]		1	1	1	1		13	2			15	4	19
<i>Shot in the Dark</i> . Ed. Judith Merril.		1					1	1			1	2	3
<i>So Long Been Dreaming: Postcolonial Science Fiction and Fantasy.</i> Ed. Nalo Hopkinson; Uppinder Mehan.									4		4	0	4
<i>Spectrum of Worlds, A.</i> Ed. Thomas D. Clareson.				5							0	5	5
<i>Star Science Fiction Stories</i> . Ed. Frederik Pohl. [anthology series]							2	1			2	1	3
<i>Star Trek: The New Voyages</i> . Ed. Sondra Marshak; Myrna Culbreath. [2 v.]					1			2	2		3	2	5
<i>Strange Bedfellows: Sex and Science Fiction</i> . Ed. Thomas M. Scortia.									3	1	3	1	4
<i>Themes in Science Fiction</i> . Ed. Leo P. Kelley.				1	1	2					1	3	4
<i>Thieves' World</i> . Ed. Robert L. Asprin. [anthology series with various titles]							10		1		11	0	11
<i>Tomorrow X 4</i> . Ed. Damon Knight.									4		4	0	4
<i>Universe #.</i> Ed. Terry Carr. [anthology series]			1		1	1					2	1	3

**Appendix J – Part B (continued):
 Publication Venues: Anthologies and Anthology Series Publishing Primary Works:
 Formal and Informal References Given to Anthologies, in *Extrapolation*, by Decade**

Anthology Title(s). Editor(s).	1959 - 1969		1969 - 1979		1980 - 1989		1990 - 1999		2000 - 2009		Total 1959 - 2009		
	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	For	Inf	All
	<i>Wild Cards</i> . Ed. George R. R. Martin; Melinda Snodgrass. [anthology series]							2	1			2	1	3
<i>Women of Wonder</i> . Ed. Pamela Sargent. [anthology series; aka: <i>More Women of Wonder</i> ; <i>Women of Wonder: The Classic Years</i> ; <i>Women of Wonder: Contemporary Years</i> .]				2	1		4		7	1	12	3	15
<i>World's Best Science Fiction: [year] / [Year] Annual World's Best Science Fiction</i> . Ed. Donald A. Wollheim; Terry Carr; Arthur W. Saha. [anthology series]			5		2		2				9	0	9
<i>Year After Tomorrow, The: An Anthology of Science Fiction Stories</i> . Ed. Lester del Rey; Cecile Matschat; Carl Carner.						10					0	10	10
<i>Year's Best Science Fiction, The: #th Annual Collection</i> . Ed. Gardner Dozois. [anthology series]							2		2		4	0	4
<i>Zoo-fantascienza [Science Fiction Zoo</i> . Ed. Robert Silverberg. Italian edn]; w/ additional stories Ed. Inisero Cremaschi.						8					0	8	8
50 Anthologies with 2 References													100
218 Anthologies with 1 Reference													218

Note: Single anthology, unless noted as anthology series or set. Variant titles noted when known.

**APPENDIX X-FILES:
ALLUSIONS IN THIS TEXT**

Age of the Storytellers . . . The main title of Mike Ashley's *The Age of the Storytellers: British Popular Fiction Magazines 1880-1950* (2006).

Aliens . . . Beings from worlds other than Earth encountered on Earth, in outer space, or on other worlds; also, title of the second film in the *Alien* film series (1979, 1986, 1992).

Alternate history . . . A counterfactual history to the one which we understand to be true, as indicted by the title of Mackinlay Kantor's novel *If the South Had Won the Civil War* (1961).

Always Coming Home . . . Title of Ursula K. Le Guin's novel (1985).

Amazing . . . From the title of *Amazing Stories*, the first English-language SF magazine (1926-date).

Anatomy of Wonder. . . Title of Neil Barron's extremely useful bibliographical and critical guide to science fiction, first published as an article in *Choice* (1970), then much expanded with a variety of contributors in four editions from Bowker (1976, 1981, 1987, 1995), and the fifth from Libraries Unlimited (2004).

Androids . . . A human-form artificial being.

Ansibles . . . Devices enabling communication instantaneously and over any distance, including galactically; coined by Ursula K. Le Guin in her *Rocannon's World* (1966).

An Atlas of Fantasy . . . Title of editor J. B. Post's collection of fantasy maps (1979).

Back to the Future. . . From the titles of a trilogy of time travel films (1985, 1989, 1990).

Being a reader in invisible writings . . . A phrase from the Discworld novel *Lords and Ladies*, by Terry Pratchett (1992).

B-EMs . . . or Bug-Eyed Monsters, or creatures from elsewhere.

La biblioteca de Babel . . . The original title of the short story “La biblioteca de Babel” by Jorge Luis Borges (1941), entitled in English “The Library of Babel”.

Books to Look For . . . Book review column in the *Magazine of Fantasy and Science Fiction* from at least the May 1987 issue.

Brass Tacks . . . Letters to the editor column in *Analog*, possibly inaugurated as early as the December 1933 issue when the magazine was called *Astounding*.

Brave New Words . . . Title of *Brave New Words: The Oxford Dictionary of Science Fiction*, edited by Jeff Prucher (2007).

Brave New World. . . Title of the dystopian novel by Aldous Huxley (1932).

Bug-Eyed Monsters . . . or B-Ems; creatures from elsewhere, not necessarily Aliens, but they may be.

Canonical ruts . . . Phrase used by the ***Science-Fiction Studies Editors (1993: 422)*** in soliciting nominations for neglected or ignored authors or works.

The Checklist of Fantastic Literature . . . Early major bibliographical tool, compiled by Everett F. Bleiler (1948).

Chronoscopes . . . A mechanism for viewing of past and future events.

Citizen of the Galaxy . . . Title of the YA novel by Robert A. Heinlein (1957).

City . . . Title of the fixup novel by Clifford Simak (1952).

College of Magicks . . . Title of the novel by Caroline Stevermer (1994).

Comlinks . . . Communications links.

Cyborgs . . . A hybrid creature with both biological and mechanical or cybernetic elements.

De profundis ad astra . . . or “From the depths to the stars”; from the motto of the Los Angeles Science Fantasy Society (LASFS), the oldest continuously running SF club in the world, meeting regularly since 1934.

Doctor Who . . . UK television series, 1963-1989, 2005-date.

Down the rabbit hole Where Alice went in the book by Lewis Carroll (1865).

A Dream of Spring . . . Title of the projected seventh and final volume in the series, *A Song of Ice and Fire*, by George R. R. Martin.

A Dream within a Dream . . . Title of a poem (1849) by Edgar Allan Poe.

The Editor’s Page . . . Title of the editorial page in *Galaxy*.

Erewhon . . . Title of the utopian novel by Samuel Butler (1872).

Extrapolation . . . The title of the journal (December 1959- date) under examination in this dissertation, from a term popular by the mid-1950s to describe some aspects of science fiction; based on a concept used by “statisticians to refer to the process of predicting a value beyond a known series by detecting patterns within the series” (**Wolfe 1986: 33**).

The Eyrie . . . Title of the editor’s page in most issues of *Weird Tales* from March 1923 onward.

F&SF . . . Fantasy and Science Fiction; an abbreviation for both the disciplinary field, and for the prozine, *The Magazine of Fantasy & Science Fiction* (1949-).

A Fall of Moondust . . . Title of novel by Arthur C. Clarke (1961).

Fantastic . . . From the title of *Fantastic Stories*, a digest-sized English-language SF magazine (1952-1980); also, the generic term, sometimes called *fantastika*.

The Fantastic . . . The title of *The Fantastic: A Structural Approach to Literary Genre* (1973); English translation of *Introduction à la littérature fantastique* (1970) by Bulgarian literary critic Tzvetan Todorov.

Faerielands . . . The land of the fae (fairies).

The Fellowship of the Ring . . . First part of *The Lord of the Rings*, by J. R. R. Tolkien (1954).

The Female Man . . . Title of the novel by Joanna Russ (1975).

Fanzine . . . A fan magazine.

Fevre Dream . . . Title of a vampire novel by George R. R. Martin (1982).

Filk singing . . . Singing the songs written by science fiction or fantasy /f/o/l/k/ fans.

Foundation . . . Title of the short fiction (1942) and subsequent novel (1950) as well as the overall series of the same name by Isaac Asimov.

Frankenstein . . . Title of the novel by Mary (Wollstonecraft) Shelley (1818) from which so many adaptations and incarnations flow.

The Fun They Had . . . Title of a short story by Isaac Asimov originally published in the *Boys and Girls Page* [syndicated newspaper feature from the National Education Association], 1 December 1951; reprinted in *Magazine of Fantasy and Science Fiction* 6.2 (February 1954): 125-127.

Future history . . . A series of stories by an author connected by having a common future; also the name of such a series of short fictions by Robert A. Heinlein.

Galactic Center . . . Title of a series of novels by Gregory Benford (1977-1996),

A Game of Thrones . . . Title of the first novel (1996) in the series *A Song of Ice & Fire*, by George R. R. Martin; also, the title of the award-winning HBO broadcast series (2011-2019) based on the first five books of the series.

Galaxies far, far away . . . Location of the *Star Wars* universe.

Generation starships . . . Starships designed to carry humans out into the universe at speeds currently deemed realistic thus taking generations to arrive at their destination, considering the practical limits set by Einstein's Theory of Relativity.

Giles . . . High school librarian and Watcher over Buffy in *Buffy the Vampire Slayer*, TV series (1997-2003).

GoHs . . . Guest(s) of Honor at a science fiction or fantasy fan convention.

Gravy Planet . . . Title of Frederik Pohl and C. M. Kornbluth's novel as serialized in *Galaxy* (4.3-4.5 July 1952-August 1952); later published as a book under the title *The Space Merchants* (1953).

The Hitch Hikers Guide to the Galaxy . . . A BBC radio serial (1978, 1980), created by Douglas Adams who novelized it in 1979.

Hive minds . . . A collective intelligence of a communal group of beings as opposed to individual intelligences, e.g., as insects are thought to have.

Hugo . . . The Hugo Award, annual award given in several categories of achievement by F&SF fan-members of the WorldCon; named after Hugo Gernsback (1884-1967) founding editor of *Amazing Stories* and other F&SF and technically-oriented periodical publications.

In Search of Wonder . . . Title of the essay collection by writer, editor, and critic Damon Knight (1956; revised, 1967).

Infinite diversity in infinite combinations . . . Part of the Vulcan equality philosophy in the *Star Trek* universe.

Inter-Galactic Playground . . . Main title of Farah Mendlesohn's *The Inter-Galactic Playground: A Critical Study of Children's and Teens' Science Fiction* (2009).

The Invisible Man . . . The title of the novel by H. G. Wells (1897).

The Languages of Pao . . . The title of the novel by Jack Vance (1958).

Last and First Men . . . Title of the novel by Olaf Stapledon (1930).

The Launching Pad . . . The title of editor Tom Clareson's prefatory editorial remarks in *Extrapolation* (1959-1989); originally "From the Launching Pad" but shortened with the December 1964 issue.

The Laws of Robotics . . . The rules by which a robot is supposed to govern its actions; first enunciated by Isaac Asimov in his "Liar!" (*Astounding Science-Fiction* 27.3 May 1941).

Lecture Demonstration . . . Title of a short fiction by Hal Clement (1973).

Lettercol . . . Column of letters from readers to the publication whether prozine or fanzine.

The Library of Babel . . . From the English-language title of the short story "La biblioteca de Babel" by Jorge Luis Borges (1941).

Life, the Universe, and Everything . . . The title of the third novel (1982) in the *Hitch Hikers Guide to the Galaxy* sequence by Douglas Adams.

Little green men . . . sometimes said to be 'from Mars'; extraterrestrial aliens, often encountered on Earth, perhaps with antennae, who according to the cartoonists, sometimes wish to be taken to "your leader".

Locus . . . From the title of *Locus: The Magazine of the Science Fiction & Fantasy Field*, established in 1968 by its long time editor Charles N. Brown.

A long time ago, in a galaxy far, far away . . . Initial words of the opening crawl of the *Star Wars* films (1977-2005).

Looking Backward . . . From the title of Edward Bellamy's utopian novel, *Looking Backward, 2000-1887* (1888).

The Machine Stops . . . The title of the dystopian short fiction by E. M. Forster (1909).

Marauder's Map . . . A magical map used by Harry Potter several times in the course of his adventures in the *Harry Potter* series by J. K. Rowling (1997-2007).

The Martian . . . Title of a novel by Andy Weir (2011) and the subsequent film (2015).

Miskatonic University. . . Located in fictional Arkham, Massachusetts; from the novelette "The Shadow Out of Time" by H. P. Lovecraft (*Astounding Stories* 17.4 (June 1936)).

More than Human . . . Title of the book by Theodore Sturgeon (1953).

Ms Fnd in a Lbry . . . From the title of the short story "Ms Fnd in a Lbry; or, the Day Civilization Collapsed" by Hal Draper (*Magazine of Fantasy & Science Fiction* 21.6 (December 1961); also distributed as an off-print at the 1961 American Documentation Institute's annual convention, then reprinted in *Library Journal* 87. 5 (1 March 1962): 616-619.

The naming of true names . . . Knowing, and naming, the true name of a magic user or creature gives the one naming power over that magic user or creature.

Native Tongue . . . Title of a novel by Suzette Haden Elgin (1984).

Nebula . . . The Nebula Award, annual award given by F&SF professionals, members of the Science Fiction & Fantasy Writers Association (originally, of America).

The Neverending Story . . . The English title (1983) of the 1979 novel *Die unendliche Geschichte* by Michael Ende.

New Maps of Hell . . . The main title of Kingsley Amis' study of science fiction (1960) based on his Christian Gauss lectures as Princeton (1959).

Old Earth . . . From the Instrumentality Stories of Cordwainer Smith.

Once there was a . . . One of the traditional beginnings for a fairy or folk tale.

Once upon a time . . . One of the traditional beginnings of a fairy tale.

Ook! . . . Sole utterance of the Librarian of Unseen University, a continuing character of the orangutan persuasion in the *Discworld* novels (1983-2015) by the late, lamented (Sir) Terry Pratchett (Sir PTerry). He was formerly a human wizard, but was magically transformed. The Librarian's pronunciation and intonation is so meaningful that no one seems to have a problem understanding him.

Orlando . . . From the title of a novel, *Orlando: A Biography*, by Virginia Woolf (1928).

The Outer Limits . . . Title of a TV anthology series (1963-1965; revived 1995-2002).

Philosopher's stones . . . Alchemical substances which aid in the transformation of base substances into gold; found in some fantasy stories.

Pilgrims Through Space and Time . . . From the title of J. O. Bailey's influential *Pilgrims Through Space and Time: Trends and Patterns in Scientific and Utopian Fiction* (1947) based on his dissertation (1934).

The Pocket Book of Science Fiction . . . Title of the pioneering anthology of short SF stories, edited by Donald A. Wollheim (1943).

Pocket universe . . . A universe that exists within another universe.

Prequel . . . A later published work utilizing settings or earlier events in the lives of characters whose stories were published in an earlier published work or works.

Prozine . . . A professional [F&SF] magazine.

The quest . . . A common trope in fantastic literature, usually a journey or adventure by someone or a group in search of something.

The Reference Library . . . Title of the book review column in *Astounding* (later, *Analog*; 1952-date)

The Road Goes Ever On . . . From the title of the poetry collection *The Road Goes Ever On: A Song Cycle* by J. R. R. Tolkien with music by Donald Swann (1967).

The Sands of Mars . . . Title of novel by Arthur C. Clarke (1951).

Sapients. . . Intelligent beings, human, alien, or otherwise.

A Scholar of Magics . . . Title of the novel by Caroline Stevermer (2004).

Scientifiction . . . Term coined by editor Hugo Gernsback, based on the earlier 'scientific fiction' and later abandoned by him in favor of 'science fiction'.

Second Foundation . . . Title of the third novel (serialized, 1948-1950; 1953) of Isaac Asimov's *Foundation Trilogy*.

Secret histories . . . Histories of events which contradict accepted views of that which we know, or think we know, about history.

Sense of Wonder . . . "A term used to describe the sensation which, according to the cliché of fan criticism that goes back at least to the 1940s, good SF should inspire in the reader. In *Metamorphoses of Science Fiction* (1979) Darko Suvin summed up the attitude of many critics by describing the term as 'another

superannuated slogan of much SF criticism due for a deserved retirement into the same limbo as extrapolation'. And yet . . . “ **(Nicholls 1993: 1083)**.

Sentients. . . Intelligent beings, human, alien, or otherwise.

Shared worlds . . . Created worlds built by group of authors who then develop stories within that particular story universe; see, for example, the *Wild Cards* series (1987-date), edited by George R. R. Martin and Melinda M. Snodgrass.

Sisters of Tomorrow . . . Main title of a short fiction anthology, subtitled “The First Women of Science Fiction” (2016) edited by Lisa Yaszek (Georgia Institute of Technology) and Patrick Sharp (California State University, Los Angeles).

Slow Glass . . . From the series of short stories (1966-1979) by Bob Shaw introduced in “Light of Other Days” (*Analog* 77.7 (August 1966)).

So it goes . . . Recurring phrase and philosophy from Kurt Vonnegut’s novel *Slaughterhouse-Five* (1969).

So Long, and Thanks for All the Fish . . . The title of the fourth novel (1984) in the *Hitch Hikers Guide to the Galaxy* sequence by Douglas Adams.

So Long Been Dreaming . . . Title of the short fiction anthology, subtitled “Postcolonial Science Fiction and Fantasy”, edited by Nalo Hopkinson and Uppinder Mehan (2004).

Sol III . . . The third planet (Earth) from our sun (Sol).

Some Kind of Paradise . . . From the title of *Some Kind of Paradise: The Emergence of American Science Fiction*, by Thomas D. Clareson (1985).

Something, something, gazpacho . . . nonsense phrase invented by Jim Wright, probably sometime in the 2010s.

Sophonts . . . Intelligent beings, human, alien, or otherwise.

The Space Merchants . . . Title of Frederik Pohl and C. M. Kornbluth's 1953 novel, originally serialized as "Gravy Planet" in *Galaxy* (4.3-4.5 July 1952-August 1952).

Speculative fiction . . . Alternative term for, or possibly a broader term than, science fiction.

Spell-books . . . Books of the spells, or magical incantations, of magic users.

Star Maker . . . Title of the novel by Olaf Stapledon (1937).

Stardate . . . From the system of dating used in the *Star Trek* universe (1966+).

Starfleet Academy . . . The Terran-based space military academy in the *Star Trek* universe.

Suit radios . . . Space suit communications device.

Surface Tension . . . Title of the short fiction by James Blish (1952).

Sword and sorcery . . . A subgenre of F&SF, sometimes called heroic fantasy

Taproot texts . . . Early, pre-modern, texts with fantastic elements by which modern writers may be influenced.

Terra . . . Earth.

There once was a . . . One of the traditional beginnings for a fairy or folk tale.

Thrilling . . . From the title of *Thrilling Wonder Stories*, a US pulp magazine (1936-1955).

Tight-beams . . . Communications device.

Time Considered as a Helix of Semi-Precious Stones . . . From the title of the Hugo and Nebula award winning novelette by Samuel R. Delany (*New Worlds*, #185, December 1968).

The Time Machine . . . Title of the novel by H. G. Wells (1895).

Timescape . . . Title of the novel by Gregory Benford (1980).

To boldly go . . . From the introductory voiceover describing the five-year mission of the starship U.S.S. *Enterprise* in the first (original) series of the television program *Star Trek* (1966-1969).

To explore strange new worlds . . . From the introductory voiceover describing the five-year mission of the starship U.S.S. *Enterprise* in the first (original) series of the television program *Star Trek* (1966-1969).

Tricksters . . . Rule-breaking characters from mythology, comics, and other fictions.

Twilight . . . From the title of the first novel in a popular young adult vampire novel series by Stephenie Meyer (2005).

The Twilight Zone . . . Title of a TV anthology series (1959-1964; revived 1985-1989).

Uncharted Territory . . . Title of a short novel by Connie Willis (1994).

Unicorns . . . A mythological creature, horse-like with a single horn.

Universe . . . Title of a short fiction by Robert A. Heinlein (1941).

Unknown Worlds . . . Title of the magazine originally called *Unknown* (1939-1943).

Unseen Academicals . . . The title of the *Discworld* novel by Terry Pratchett (2009).

Unseen University . . . The premier college of magic on the Discworld, located in Ankh-Morpork, in the extensive series of *Discworld* novels (1983-2015) by the late, lamented (Sir) Terry Pratchett (Sir PTerry).

Utopia . . . From the title of the novel (1516), written in Latin (in English, 1551), by (St.) Sir Thomas More which gave its name to the genre of utopian fiction.

A very large array . . . From the title of the anthology *A Very Large Array: New Mexico Science Fiction and Fantasy*, edited by Melinda M. Snodgrass (1987); named after the radio astronomy observatory in New Mexico.

Voyages extraordinaires . . . Title of Jules Verne's series of novels (1863-1905); in English, as *Extraordinary Voyages*, it is the main title of "The Newsletter of the North American Jules Verne Society" (0.0- , November 1993-date).

Way Station . . . Title of the novel by Clifford D. Simak (1963).

Who? . . . Title of Algis Budrys' second novel (1958).

Wild Cards . . . Title of the long running series of shared world anthologies and novels (1987-date), edited by George R. R. Martin and assistant editor Melinda M. Snodgrass.

Witches . . . Female magic users.

With the Night Mail . . . Title of a short fiction by Rudyard Kipling (1905).

Wizards . . . Male magic users.

Wonderland . . . From the title *Alice's Adventures in Wonderland*, by Lewis Carroll (1865).

The X-Files . . . Title of the TV series (1993-2002).

Young apprentice . . . A character in many fairy stories; also what the Emperor Palpatine calls Luke Skywalker in *The Return of the Jedi* (1983), the third produced but sixth in chronology of the *Star Wars* saga (1977-date).

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