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Title

Patrolling the Past: Bringing the Papua New Guinea Colonial-Era Reports into the Digital Realm

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Author

Garcia-Spitz, Cristela

Publication Date

2017-09-05

Data Availability

The data associated with this publication are available at: http://lib.ucsd.edu/png-patrol-reports

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PARBICA, Pacific Harbour, Fiji September 5, 2017

PATROLLING THE PAST BRINGING PNG COLONIAL-ERA REPORTS INTO THE DIGITAL REALM

Cristela Garcia-Spitz University of California, San Diego

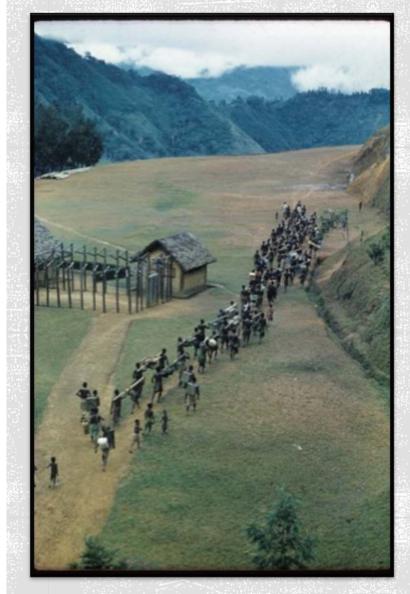


Compiled by the administration's man in the field, the patrol officer or *kiap*, patrol reports were intended to keep the...colonial administration informed about the native situation... At their inception, patrol reports, much like early ethnography, were highly descriptive and multifaceted, which makes them invaluable as ethnographic documentation.

-Naomi M. McPherson, In Colonial New Guinea Anthropological Perspectives, 2001

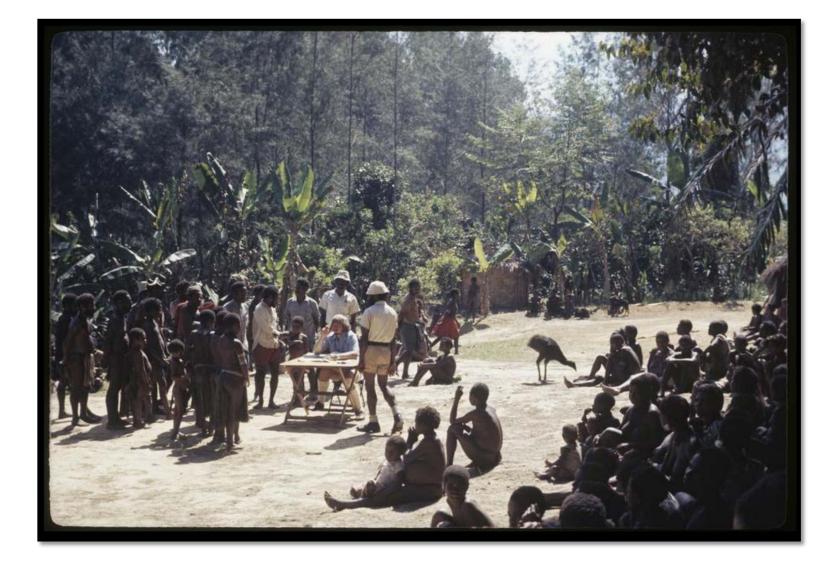
Tabibuga, line of men carry cargo past the jail building, 1962. Edwin Cook Papers.

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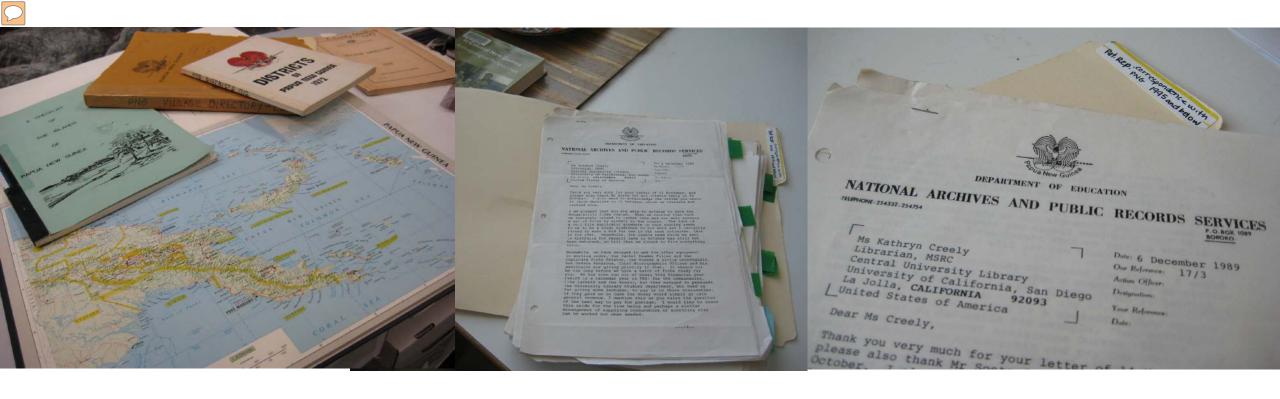




Patrol officer
with Narak
people, Bismark
Mountains,
Madang
Province,
September 1972.

Edwin Cook and Susan Pflanz Cook Photographs. MSS 0187. Special Collections & Archives, UC San Diego. http://library.ucsd.edu/dc/object/bb81923776





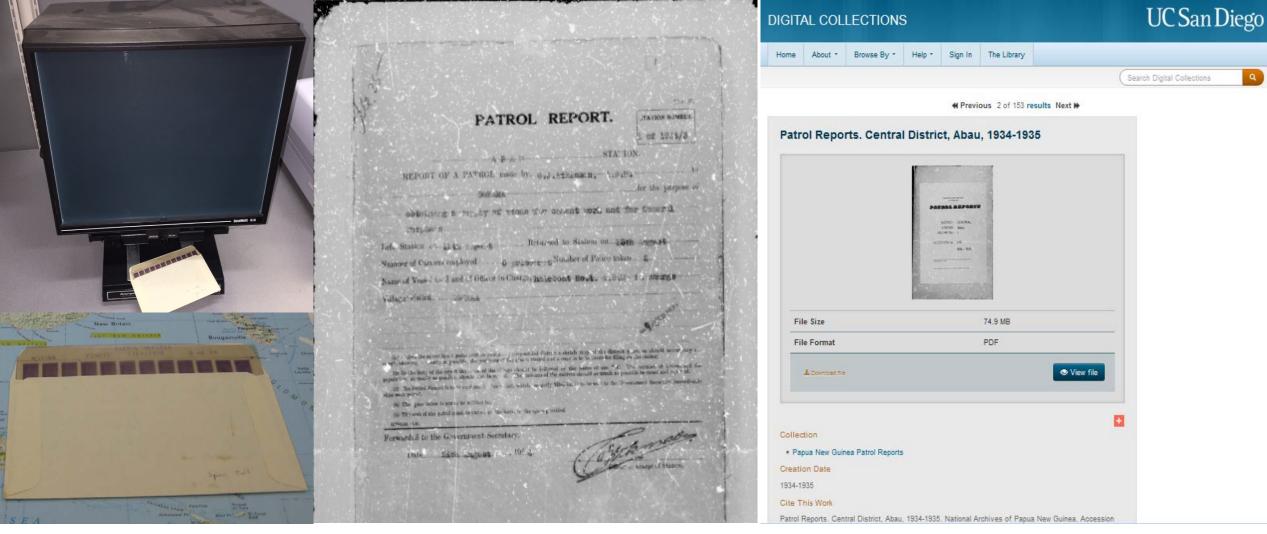
FORETHOUGHT & COLLABORATION

- Nancy Lutton & Vicky Puipui, PNG National Archives
- Tukul Kaiku, UPNG
- Kathy Creely, UC San Diego Library





PROVIDE ONLINE ACCESS & KEYWORD SEARCHING









Digital Library Development Program (DLDP)

















PNG Patrol Reports Project Plan



Created by Garcia-Spitz, Cristela, last modified by Reser, Gregory on Jan 14, 2016

Project Plan

- Project Overview
- Project Objectives
- Target Audience
- Priority
- Team
- Formats
- Approach
- Lessons Learned
- Resources
- Stats
- Promotions

Project Overview

This project will digitize 5639 microfiche (ca. 332,462 pages) of patrol reports from Papua New Guinea. UCSD is one of only five institutions in the world to hold a complete set of the microfiche and is the only institution in North America to hold a complete set. The microfiche were produced by the National Archives of Papua New Guinea, with significant funding from UCSD to pay for microfiche stock and chemicals. UCSD also created volume-level indexing for the reports.

Finding aid for overall collection of microfiche: http://libraries.ucsd.edu/speccoll/testing/html/mss0215a.html

Roger record for microfiche: http://roger.ucsd.edu/record=b3611130-S9

Summary website for patrol report indexes: http://libraries.ucsd.edu/collections/about/collections-of-distinction/melanesian-studies/papua-new-guinea-patrol-reports/index.html

Patrol report index for Milne Bay: http://libraries.ucsd.edu/collections/about/collections-of-distinction/melanesian-studies/papuanew-guinea-patrol-reports/milne-bay-province-patrol-reports.html

Project Site Navigation



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Project Objectives

Digitizing the microfiche will significantly improve access to these materials. It will also serve a preservation purpose, since the microfiche are irreplaceable. These materials are significant primary sources for Papua New Guinea and are routinely consulted by anthropologists, historians and others conducting research on this part of the world.





~3,000 VOLUMES

21,390 REPORTS

324,659 PAGES

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ABAU

Abau, 1934 - 1935.

Patrol officers: Atkinson, O. J. 95 leaves. 16 patrol reports.

Areas patrolled: Domara/ Kapari/ Hula/ Viliripu/ Iuila Creek/ Dorowaidi/ Main Range/ Keveri/ Cloudy Bay/ Kauru/ Menani/ Iduna Creek/ Mailu/ Dihiuga/ Robinson River/ Otomata/ Abau.

Microfiche: Central : Abau : 001 : 002 - 002 : 034.

Abau. 1941 - 1942.

Patrol officers: Champion, C.; Lees, C.; Marsh, D. R.; Bilstin, K. W.; Clarke, F. L.; Lynch,

M. R.; Corlett; Howard, J. B.; Pitt, Mark; Galloway, R. T.

121 leaves. 20 patrol reports.

Areas patrolled: Kauru/ Otamata/ Labura/ Kapari/ Hula/ Robinson River/ Kelau/ Vilirupu/ Suckling/ Keveri/ Miokorde/ Debana/ Kolu/ Imila/ Kuru/ Mt. Brown / Owo/ Owari/ Derebai/ Bam/ Soma/ Velavolai/ Brioibaga/ Oiai/ Denava/ Vahu/ Segili/ Bambaga/ Waioui/ Ariari/ Kiveri Valley/ Musa Valley/ Sapua/ Liba River/ Table Point/ Deba/ Moguba / Lopom/ Mailu/ Kulele/ Derebai/ Lamruolo/ Wowolo/ Magan/ Mabi-ave/ Nuhu/ Mar-mouina/ Abau.

Microfiche: Central: Abau: 002: 037 - 004: 011.



ABAU

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Bam/ Soma/ Velavolai/ Brioibaga/		3	Abau	1942 - 1944	Almoore, R. H.; Bilston, K. H.; Kelynack, J.; Galloway,	211 leaves. 15 patrol		Safia, Wamgela, Paugam, Amazon Island, Amazon Bay, Amau, Central:
•		4	Abau	1944 - 1946	Smith, S. S.; Turner, H. G.; Clark, J. O.; Atkinson, O. J.			Amau, Debani, Keveri, Bau, Cloudy Bay, Dimuga, Vilirupu, Don Central :
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Abau, 1942 - 1944.	7	6	Abau	1948 - 1949	Williamson, K. R.; Geelan, R.	76 leaves. 5 patrol reports.		Keveri Valley, Gervonei, Otomata, Merani, Kauru, Baia, Cloudy Central :
Patrol officers: Almoore, R. H.; Bil						161 leaves. 16 patrol		
Turner, H. G.	8	7	Abau	1948 - 1950	Fleay, C.; Williamson, K. R.; Geelan, R. W.; Atkinson,			Amazon Bay, Rigo, Mt. Boru, Mailu, Dimuga, Sand Bank, Mori R Central:
· ·		_				177 leaves. 9 patrol		
164 leaves, 15 patrol reports, Patr	9	8	Abau	1949 - 1950	Williamson, K. R.; Fleay, C.; Routley, H. G.	reports. 254 leaves. 20 patrol		Sand Bank, Mori River, Mailu, Dimuga, Mt. Brown, Rigo, Amazd Central :
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Robinson River/ Derebai/ Moui Riv	11	10	Abau	1950 - 1952	Fleay, C.; Rissen, H.; Hearne, R. F.; Driver, F. G.	reports.		Dimuga, Robinson River, Keveri Valley, Marshall Lagoon, Mailu Central :
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Abau, 1944 - 1946.	12	11	Abau	1950 - 1956	Zweck, A. J.; Driver, F. E.; De Ath., C. E.; Brightwell, N	report.		Si'ini, Mailu, Robinson River, Dimuga, Amau, Sand Bank Bay, Ld Central :
Patrol officers: Smith, S. S.; Turne								
O'Connor, D. M.	13	12	Abau	1953 - 1955	Driver, F. G.; Beath, J. H.; De Ath., C. E.	79 leaves. 9 patrol reports.		Cloudy Bay, Amazon Bay, Robinson River, Apabaga, Davana, M Central:
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Abau, 1946 - 1948.

Patrol officers: O'Connor, D. M.; Middleton, S. G.; Ruch, C. H.; Guise, J.; Born, R. W.;

Williamson, K. R.; Thompson, W. H. H.; Atkinson, K. C. 285 leaves. 21 patrol reports. Patrol years: 1946, 1947, 1948. Areas patrolled: Kaunu/ Amaul/ Cloudy Bay/ Hogubo/ Ikapan/ Hula/ Domara/ Duram/ Ama/ Eauarai/ Rigo/ Robinson River/ Ilakai Valley/ Dimuga/ Kauru/ Baia/ Keveri Valley/ Abau.



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Papua New Guinea Patrol Reports

About this collection

+

Description

Reports from government patrols are a major source of primary information on Papua New Guinea's colonial-era history. Patrol officers and other officials wrote detailed documents reporting on all aspects of the work carried out by the patrols. The reports give first-hand accounts on many topics, from first contact with remote Highland villages, to census counts, tax collection, health care, justice, labor recruiting, plantations, missionaries, anthropological descriptions, tribal warfare, languages, and more. The reports in this collection date primarily from the post-World War II era of Papua New Guinea, up through 1975, when PNG gained independence from Australia; a few pre-War reports are also included. The documents in this collection were digitized from microforms held at the University of California, with the permission of the National Archives of Papua New Guinea.

The reports are organized by Districts which generally correspond to the boundaries of Papua New Guinea's Provinces in 1975. The reports are further divided by Sub-district or Patrol Post, and finally into chronological volumes (usually corresponding to an administrative calendar running from 1 July through 30 June of the following year). Reports are cataloged by the name of the district as it was known when the report was created. To find reports within a geographical area, search by keyword, such as a district or subdistrict name. The District names used are listed below with modern and alternative forms in parentheses:



View Collection Items

Search this collection...

a

- Bougainville District (Autonomous Region of Bougainville, previously North Solomons Province)
- Central District (Central Province, and National Capital District)
- Chimbu District (Chimbu Province, also known as Simbu Province)
- Eastern Highlands District (Eastern Highlands Province)





UC San Diego **DIGITAL COLLECTIONS**



Papua

About th

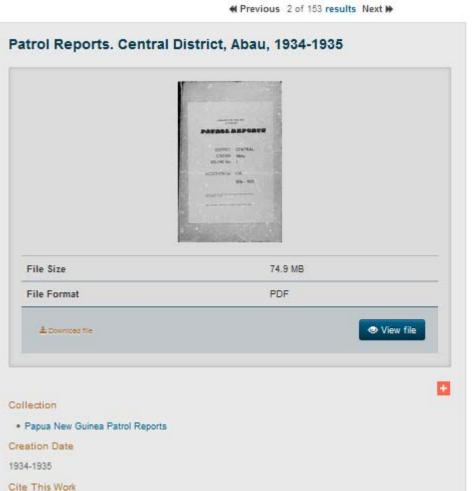
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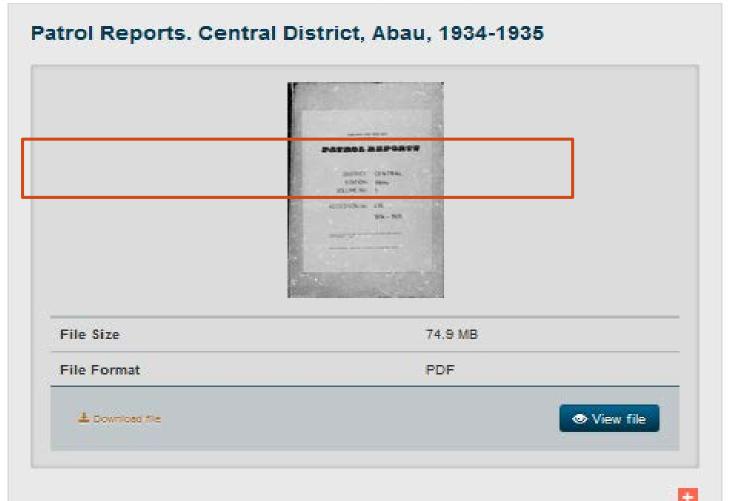


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"I've been trying very hard to know more about who are the first tribes to inhabit Uaripi village. Land has been marked for a gas refinery plant but the investors have requested the Gulf Province Lands Dept to verify who are the principle owners so some agreements can be signed. The ownership of this land is now claimed by number of villages. My village elders who know more about our ancestry history have died away."

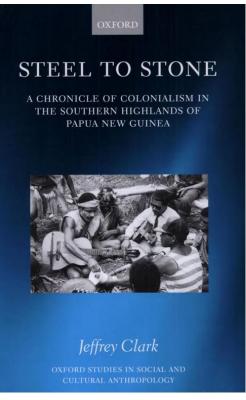
(paraphrase of 2011 query from Papua New Guinea, requesting patrol reports from Gulf Province, requested again in 2014)

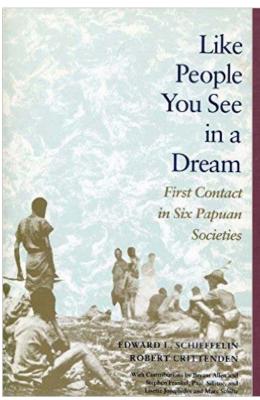
Photo: lngworldnews.com

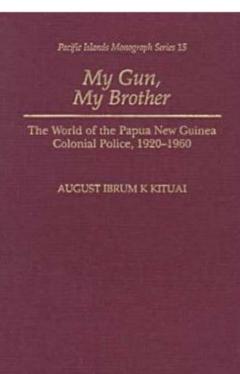


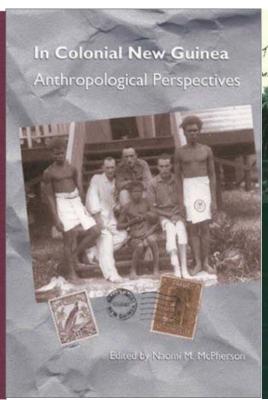


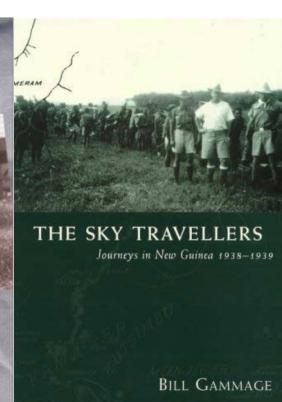
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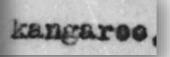








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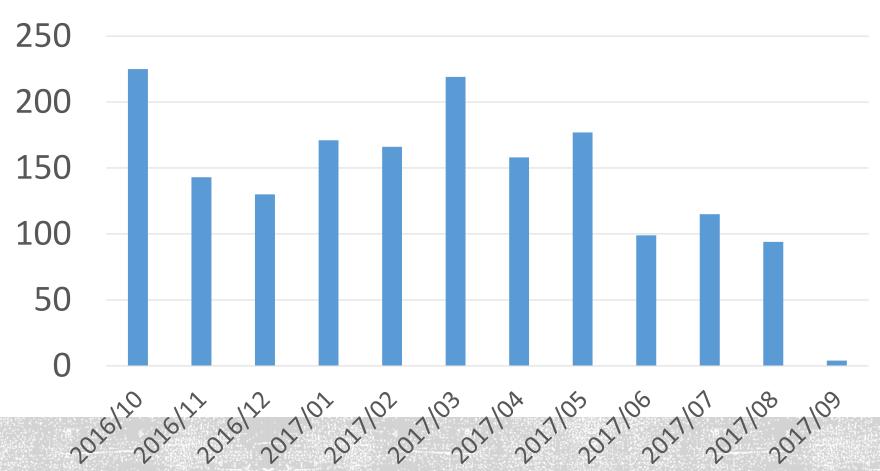






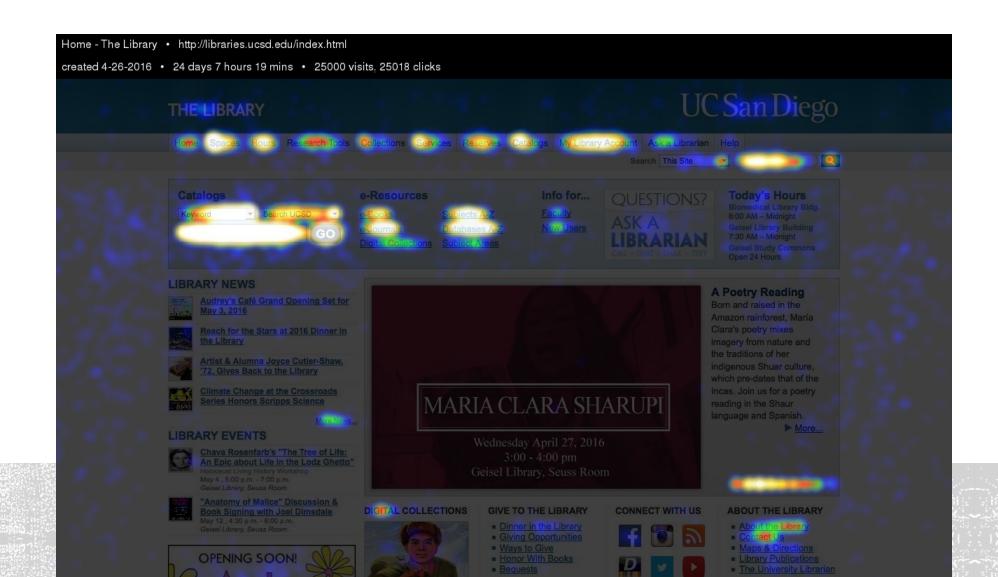
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Papua New Guinea Patrol Reports Usage





USER BEHAVIOR, but need user engagement



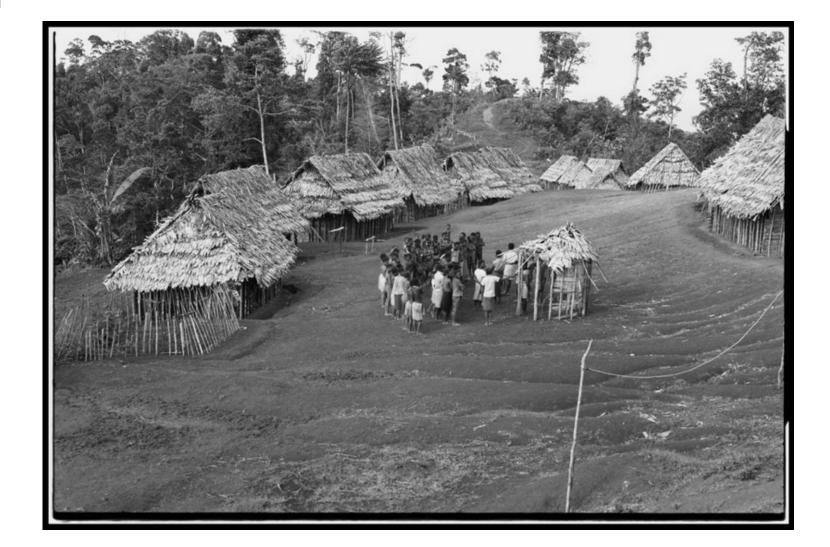


POSSIBLE MEXI STEPS



- Share with PNG National Archives (delivered)
- Look for additional patrol reports
- Create a unified listing at the report level
- Work on a subject index
- Explore crowdsourcing (OCR clean-up, adding subjects, names, specifics)
- Seek ways to visualization content & Integrate it more with other collections





Koguman: group of people lined up to be counted by patrol officer, August 23, 1962. Roy Rappaport Photographs.

http://library.ucsd.edu/dc/object/bb6895705m

THANK YOU! & QUESTIONS

CGARCIASPITZ@UCSD.EDU

& Special Thanks to:

- Nancy Lutton & Vicky Puipui, PNG National Archives
- Tukul Kaiku, UPNG
- Greg Reser, Gina
 McCullough,
 Edgar Favila, UC San
 Diego Library



PARBICA, Pacific Harbour, Fiji September 5, 2017

PATROLLING THE PAST

BRINGING PNG COLONIAL-ERA REPORTS INTO THE DIGITAL REALM

Cristela Garcia-Spitz University of California, San Diego

- Thank you for having me here at PARBICA. I appreciate the opportunity to learn and connect, share this project. Special thanks to Opeta and Eleanor encouragement and support, take inspiration from them both!
- background on me (working with Melanesian archive was just a small part of my job and something I looked forward to, with Kathy's retirement, become the curator of the archive – overwhelming, challenging, and incredible)
- Thanks to Kathy Creely; oversaw Melanesian archive for 30 years, realize what the phrase "big shoes to fill" really means
 - Listen to Opeta's eloquent words appreciate all that came before me, and try not to complain;)
- Description of UCSD Project to digitize the patrol reports and provide online access

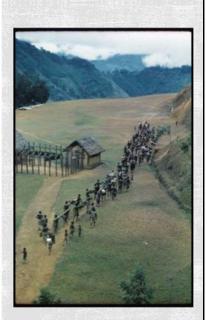
Compiled by the administration's man in the field, the patrol officer or *kiap*, patrol reports were intended to keep the...colonial administration informed about the native situation... At their inception, patrol reports, much like early ethnography, were highly descriptive and multifaceted, which makes them invaluable as ethnographic documentation.

-Naomi M. McPherson, In Colonial New Guinea Anthropological Perspectives, 2001

Tabibuga, line of men carry cargo past the jail building, 1962.

Edwin Cook Papers.

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WHAT ARE PATROL REPORTS?

- First-hand accounts written by patrol officers (kiaps) detailing their work and findings as they patrolled rural areas, essentially acting agents of the government
- Earliest reports date to the 1890s, with British colonial administration practice
- Continue through to the 1970s, ceasing in 1974, just before PNG gained independence from Australia in 1975.

FORMAT

- Daily journal
- Subject or situation notes becomes more uniform over time, covering set categories
- Map
- Sometimes photographs
- Sometimes census sheets
- Correspondence: Patrol instructions and feedback on reports, in form of memos by higher-level administrators
- Mostly typescript, some handwritten.

Photo from Cook Papers (anthropologists Western Highlands 60s-70s)



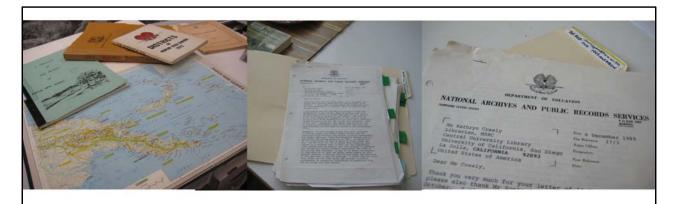
Patrol officer
with Narak
people, Bismark
Mountains,
Madang
Province,
September 1972.

Edwin Cook and Susan Pflanz Cook Photographs. MSS 0187. Special Collections & Archives, UC San Diego. http://library.ucsd.edu/dc/object/bb81923776



TOPICS

- Exploration and geography
- People—villages and other groupings, census figures
- Languages spoken, cultural observations
- Local conditions—health & diseases, births/deaths, local warfare, food supply
- Tax collection
- Infrastructure—trails, bridges, roads, airstrips, government rest houses
- Effects of World War 2 and reparations
- Economic—land ownership, agriculture, cash crops, labor recruitment, plantations, mines
- Political—local headmen, elections, political education, run-up to independence



FORETHOUGHT & COLLABORATION

- · Nancy Lutton & Vicky Puipui, PNG National Archives
- · Tukul Kaiku, UPNG
- · Kathy Creely, UC San Diego Library

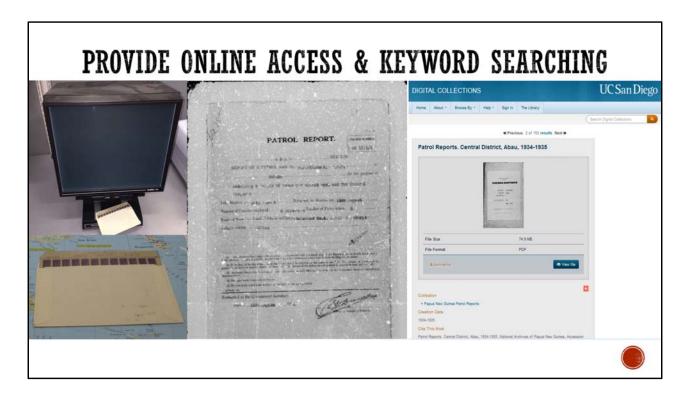


Forethought & Collaboration – Exciting when I realized Tukul would be here and I could meet her in person; Geoffrey also here and hope to get a chance to discuss project further UCSD collaborated with PNG National Archives to microfilm the Patrol Reports (deposited copies in PNG, Australia, San Diego)

Originals are still available at PNG -

Indexing—to volume level: Procite database > printed lists (never all published) > html pages

Photo of source material used for indexing; folder of correspondence going back to the 80s



Digitization driven by access

Microfiche = aging equipment, poor user experience, online index but enhance searchability

Add value to have the reports available online

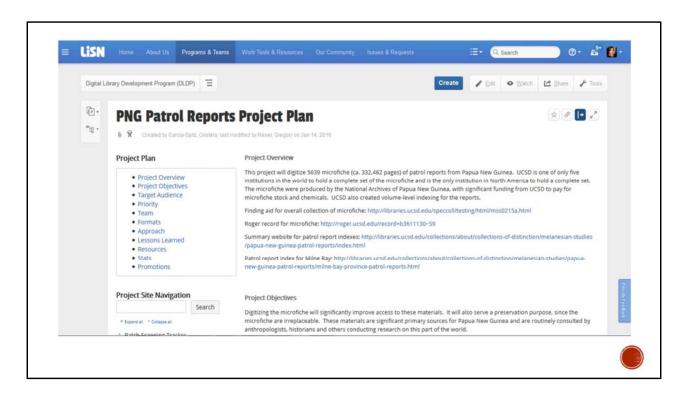
Project to scan – subset of the reports

History of conversations about (Andy Connelly, Chris Ballard, Ewan Maidement, PNG Archives)

Getting permission

In-house pilot—why it wasn't scalable (slow scanner)

Getting funding (library) budget – waited to the end of the fiscal year (good time to ask for one time funds)



This is the project plan in our Library's intranet. It's where we keep high-level details on what the project is, who's working on it, and other logistics.

Over last 10 years, Library developed infrastructure to handle digital projects. DLDP infrastructure = DAMS + people

Kathy = Subject knowledge, thinking big picture, in the weeds *Metadata Analyst IT Staff Army of students

Size of project > Vendor to digitize from microfiche

Cost to digitize, funded by library through one-time digitization funds

Rough timeline: July 2013-Summer 2016

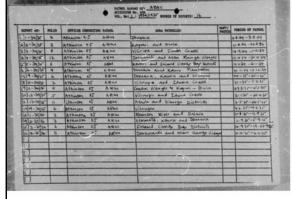
digitization w/vendor ~1 year

post production/metadata work ~1.5 years

ingest into DAMS ~last 6 months

~3,000 : 21 **VOLUMES** REP

21,390 **REPORTS** 324,659 PAGES



ABAU

Abau, 1934 - 1935. Patrol officers: Atkinson, O. J 95 leaves. 16 patrol reports.

Areas patrolled: Domara/ Kapari/ Hula/ Viliripu/ Iuila Creek/ Dorowaidi/ Main Range/ Keveri/ Cloudy Bay/ Kauru/ Menani/ Iduna Creek/ Mailu/ Dihiuga/ Robinson River/ Otomata/ Abau. Microfiche: Central: Abau: 001: 002 - 002: 034. Abau, 1941 - 1942.

Patrol officers: Champion, C.; Lees, C.; Marsh, D. R.; Bilstin, K. W.; Clarke, F. L.; Lynch, M. R.; Corlett; Howard, J. B.; Pitt, Mark; Galloway, R. T. 121 leaves. 20 patrol reports.

Areas patrolled: Kauru/ Otamata/ Labura/ Kapari/ Hula/ Robinson River/ Kelau/ Vilirupu/ Suckling/ Keveri/ Miokorde/ Debana/ Kolu/ Imila/ Kuru/ Mt. Brown / Owo/ Owari/ Derebai/ Bam/ Soma/ Velavolai/ Brioibaga/ Oiai/ Denava/ Vahu/ Segili/ Bambaga/ Waioui/ Ariari/ Kiveri Valley/ Musa Valley/ Sapua/ Liba River/ Table Point/ Deba/ Moguba / Lopom/ Mailu/ Kulele/ Derebai/ Lamruolo/ Wowolo/ Magan/ Mabi-ave/ Nuhu/ Mar-mouina/ Abau. Microfiche: Central: Abau: 002: 037 - 004: 011.



Scale: toughest decision of the project: wanted to create pdfs of the report, but much harder to tell where one report ends and another begins. Volume has clear coversheet. Also, work to create 3,000 volumes (create pdf, name, run ocr, qc) vs. doing same process 21,000 times if by report, which would take much longer. "everything someday, or something today?"

Digitization – kept it simple; vendor created pdf by microfiche sheet (~60 frames per sheet) Students to do work: qa/qc, form pdf by volume, rename, and do ocr; some rescanning done in-house

Lots of trouble shooting by Kathy

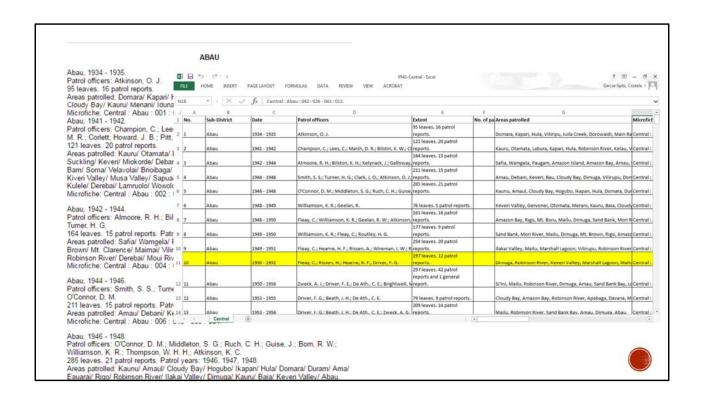
Metadata – also tried to keep simple (always most complex part of digital project)

Concentrated on information already identified as relevant

Original reports organized by volume in coversheet > transcribed to create microfiche index > created pdfs by volume

Challenges: volumes span across microfiche sheet, collocate reports microfilmed out of order

Example of a project built off of work done in the past; reminder for the present to do what you can at the moment and follow best practices and keep things consistent.



Because index was done well (consistent punctuation, etc.) we were able to re-use it relatively easily

Still a few things to "massage"

Volume = organized roughly sub-district and year — administrative unit, which is fluid (district, place name because could be place or patrol post, depended on administrative unit over time)

Limitations on how much we could figure out in time available e.g. modern provinces (boundaries have shifted/divided)

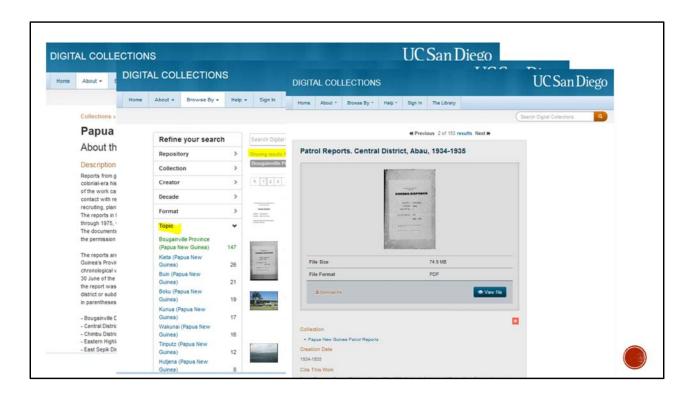
normalizing placenames DAMS display/sort considerations

Greg's role: Excel tool for DAMS metadata ingest/object build qa/qc



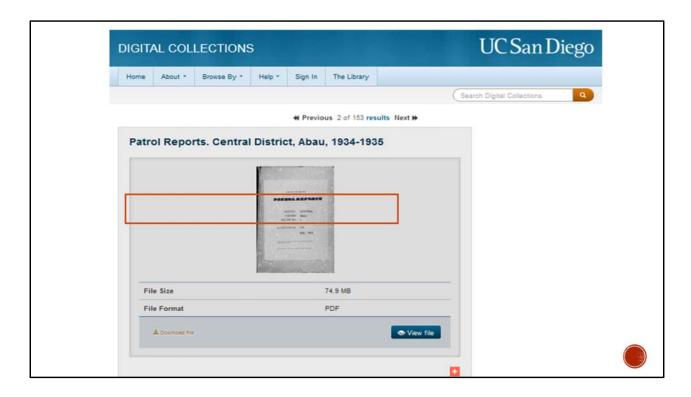
Demo the site:

Patrol reports accessible with other Melanesian collections Relates to other digital collections: Cook, Rappaport, and PNG dissertations, Madang or western highlands shows crossover



Collection page Faceting Show report

Searchable – keyword, geographic terms, sorting capabilities Promotes discovery and facilitates research by discovering content online and with other collections



Copyright statement on website and also as a cover sheet in the pdf

Barriers for use:

Size of pdfs (especially for people in the Pacific where network speed is slow) OCR can be unreliable

Geographic names ~ Variant spellings, Boundary changes (Original Districts vs Modern Provinces) –decided to go with placename at time of report (in general)

http://library.ucsd.edu/dc/object/bb2015288r

"I've been trying very hard to know more about who are the first tribes to inhabit Uaripi village. Land has been marked for a gas refinery plant but the investors have requested the Gulf Province Lands Dept to verify who are the principle owners so some agreements can be signed. The ownership of this land is now claimed by number of villages. My village elders who know more about our ancestry history have died away."

(paraphrase of 2011 query from Papua New Guinea, requesting patrol reports from Gulf Province, requested again in 2014)



Photo: lngworldnews.com

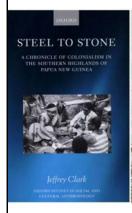


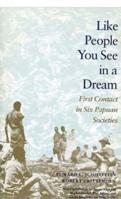
WHO USES PATROL REPORTS NOW?

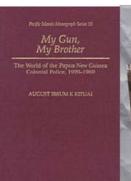
Papua New Guinea citizens -- high demand for access, especially for LAND OWNERSHIP

- many questions about reports from areas impacted by resource extraction, such
 as large liquid natural gas line and plant construction, especially in Southern
 Highlands and Gulf Provinces. May help to establish case for compensation from
 mining company or government.
- Mining company employees -- same reason

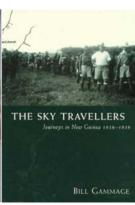
RESEARCH & SCHOLARSHIP





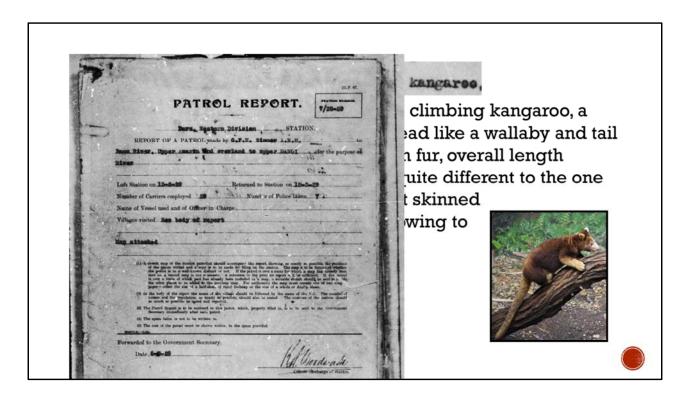




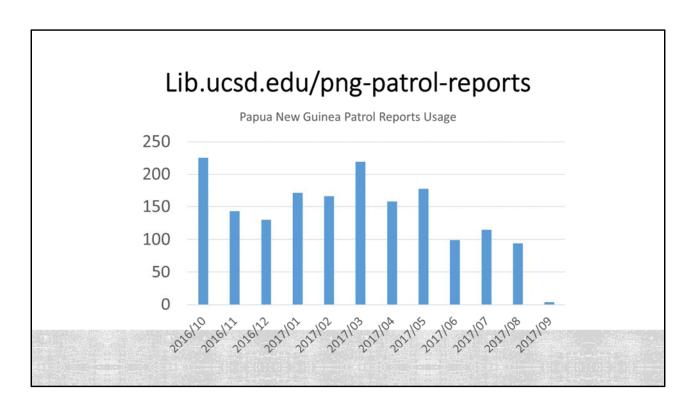




- Retired patrol officers and their family, including Papua New Guineans who believe that their father was a patrol officer personal interest, mostly, but some from officers writing memoirs or responding to others' writing about their actions as patrol officers. Lots of personal memoirs have been published by individual patrol officers.
- **Historians and anthropologists** many have used patrol reports in their writings, notable examples with extensive use of patrol reports include some wonderful books:
 - Many of the chapters in <u>In Colonial New Guinea</u>: <u>Anthropological Perspectives</u> edited by Naomi McPherson
 - Jeffrey Clark's work on the Wiru people, <u>From Steel to Stone</u>, a <u>Chronicle of Colonialism in the Southern Highlands of Papua New Guinea</u>
 - August Kituai's book, My Gun, My Brother: The World of the Papua New Guinea
 Colonial Police, 1920-1960
 - Bill Gammage's book, <u>The Sky Travellers: Journeys in New Guinea, 1938-1939</u>
 - Edward Schieffelin and Robert Crittenden's <u>Like People You See in a Dream: First Contact in Six Papuan Societies</u>



- OTHER EXAMPLES OF TOPICS RESEARCHED WITH PATROL REPORTS:
 - Where was the holotype of the tree kangaroo, Dendrolagus Spadix collected?
 1936 journal article by zoologists describing a new species, just gives the source of the Skin as G.F.W. Zimmer between the Upper Awara and Strickland Rivers.
 Robin Hide found THIS!
 - History of first contact and later history for many Papua New Guinea peoples
 - Locations of World War 2-era airplane wreckage, Japanese graves, etc.
 - Medical history—epidemics, presence of diseases like tuberculosis or yaws, earliest written description of neurological disease, kuru



Usage

Went from a handful of questions per year to a few hundred views per month (Viewed ~1,701 last year)

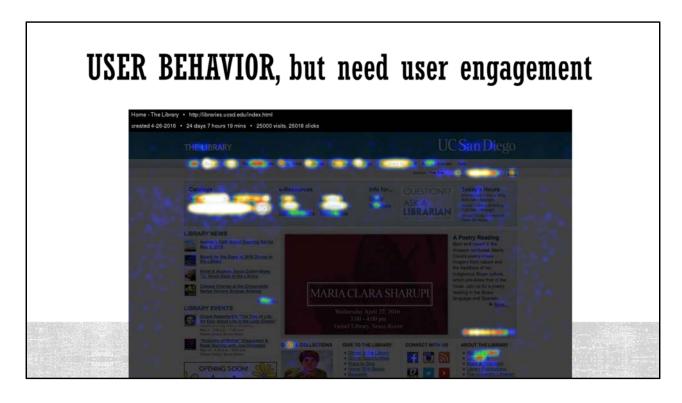
Second most used collection (only other collection is Dr. Seuss, which is hard to compete with)

Steady use, but...

Trade-off because "views" we don't completely know how they are being used and by whom, also don't know whether they are finding what they are looking for like we do when we get a contacted directly by the person as a reference question

Does make reference questions much easier, able to search for the volume and send the link

Inspired by Koa and Opeta's work, because reminds me that I should try to find other means for interacting like fb (hopefully networks that I could tap into)



Tools like hotjar (heat maps) and crazyegg (visual web analytics) to track where users click and understand user behavior

Need more user interaction and engagement – is it possible to build into the interface more features to do this?

Existing commenting feature has gotten low use

POSSIBLE NEXT STEPS



- Share with PNG National Archives (delivered)
- Look for additional patrol reports
- Create a unified listing at the report level
- Work on a subject index
- Explore crowdsourcing (OCR clean-up, adding subjects, names, specifics)
- Seek ways to visualization content & Integrate it more with other collections

Think about what you can do well with current means and resources (processing, metadata creation/indexing), and consider what might get easier over time

One step forward, but of course the work is never done. "everything someday, or something today?"

These are things we can't do alone, but potential collaborations. Sharing with PNG (as Eleanor mentioned, hope we can remain engaged with PNG Archives)

Many projects to finish (started lots of digital project before Kathy left to justify me moving to the position), but hope to work on:

Next steps—more patrol reports?

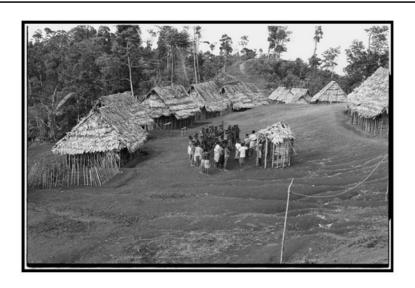
Unified listing at the report level – gather more detailed information (Andrew Connelly's idea)

No subject index – limited points of access (currently, only patrol information named on covers: place/date/patrol officer/places patrolled, if listed)

Crowdsourcing to augment – Australian database called Trove, where you can view and correct; promote using comments feature one way to gather information

Graphical approaches: incorporate coordinates, maps, in order to enhance experience, integrate with other collections > exhibit tools

(Nick, very jealous of geographic searching)



Koguman: group of people lined up to be counted by patrol officer, August 23, 1962. Roy Rappaport Photographs. http://library.ucsd.edu/dc/object/bb6895705m

THANK YOU! & QUESTIONS

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& Special Thanks to:

- Nancy Lutton & Vicky Puipui, PNG National Archives
- · Tukul Kaiku, UPNG
- Greg Reser, Gina McCullough, Edgar Favila, UC San Diego Library



As the saying goes "Takes a village"

http://roger.ucsd.edu/record=b2815342~S9