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LIQUID HYDROGEN USE; PERIOD July 1, 1956 -

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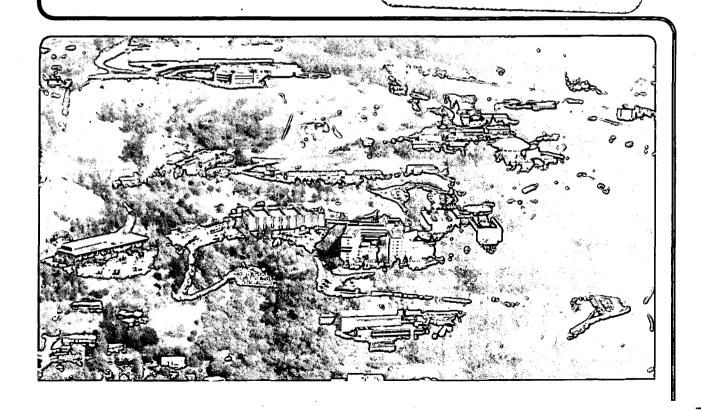
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Gary Gachis	DEPARTMENT Mechanical	Berkeley	August 25	·

Liquid Hydrogen Use Period of January 1, 1982 to June 30, 1982

1. Procurements

Liquid hydrogen was purchased on the following purchase orders:

Seller

P. O. No.

Effective Date

U.C. Chem. Dept.

7212000

October 1, 1981 to Sept. 30, 1982

Purchases against the above purchase orders by month were as follows:

Seller	P.O. Number	<u>Jan</u>	<u>Feb</u>	Mar	<u>April</u>	May	June	<u>Total</u>
U.C. Chem	7212000	-	-	150	145	-	. -	295
Total Lite	rs	0	0	150	145	0	0	295

Total liters purchased from U.C. Chemistry Dept.

295

2. Distribution by Groups

Group	Acet. No.	Bldg.	<u>Jan</u>	Feb	Mar	April	May	June	Total
G. Devine	5261-59	341	•		150	145			295
Total Liters	s S				150	145			295

Note: All liquid hydrogen used in Livermore.

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Gary Gachis	Mechanical	Berkeley	August 2	5, 1982

Liquid Helium Use Period of January 1, 1982 to June 30, 1982

1. Procurements

Liquid helium was purchased on the following purchase orders:

Seller	P. O. No.	Effective I	Effective Date			
U.C. Chem Dept.	7212000	Oct. 1, 1981 to Sept. 30,	, 1982			
Air Products & Chemicals	3026400	Aug. 1, 1981 to June 30,	1982			
Cryo Gases Inc.	3705300	Nov. 1, 1981 to Sept. 30,	, 1982			
Union Carbide Corp.	3026500	Aug. 1, 1981 to June 30,	1982			

Purchases against the above purchase orders by month were as follows:

Seller	P. O. No.	<u>Jan</u>	Feb	Mar	April	May	June	Total
U. C. Chem Dept.	7212000	432	1902	1773	1410	1058	4114	10689
Air Products & Chem.	3026400		· -	-	-	-	-	
Cryo Gases Inc.	3705300	-		-		-	_	
Union Carbide Corp.	3026500	457	<u>539</u>	1354	1116	<u>557</u>	873	4896
Total Liters		889	2441	3127	2526	1615	4987	15585

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Gary Gachis	Mechanical	Berkeley	August 25,	1982

Liquid Helium Use Period of Jan 1, 1982 to June 30, 1982

2A Distribution by Groups - Berkeley

	0 1		- 0		_				
Group	Acct. No.	Bldg	Jan	<u>Feb</u>	Mar	<u>April</u>	<u>Ma</u> y	<u>June</u>	Total
M. Hueschen	4963-01	70A	25	25					50
N. Edelstein H. J. Kim	4030-01 4051-21	70A 62	179 85	206 84	301	255	183	375	1499
G. Shalimoff	4030-12	70A	25	04					169 25
M. Blackwell	4481-01	3	87	219	297	173			776
R. Mulford	4495-26	3	50	98	87	181 -	44		460
J. Taylor P. Luke	7914-08 7916-04	64 70a	50 25	25			25		100
J. Clarke	4072-20	19	363	463	586	946	374	3,03	25 3035
G. Shalimoff	4030-02	70A	<i>3</i>	5 <u>0</u>	47		25	5,45	122
A. Bearden	4436-01	1		93	92	50	25	75	335
L. Packer D. Wake	4768-01 4768-01	20 70		10 62	25	O.E.	01	10	20
P. Luke	4854 <i>-</i> 01	70A		50	44	25 75	91		203 169
V. Lamin	4493-10	3		85	91	85			261
C. Jeffries	4070-20	19		. 8				•	. 8
C. Jeffries N. Phillips	4070-21 4075 - 11	19 18		87	42 31	07	87	104	233
N. Phillips	4075-12	18		99 243	273	97 213	137	152 153	466 1019
N. Phillips	4075-21	18		21	-15		-51	±73	21
A. Pines	4081-01	19		221	127	226	162	432	1168
P. Richards P. Richards	4068-02 4068-14	19		244	228	100	100	43	715
K. Ehlers	4576-20	19 16		48	50				48 50
C. Jeffries	4070-15	19			43	25			68 68
C. B. Moore	4009-01	22			50	۶.	.29		79
D. Lippert	4664-02	42			156			0-	156
J. Holthuis J. Epstein	4051-48 4192-01	62 50			557	25	20	25	602 25
H. Steiner	3662 - 26	80				50			50.
M. Kline	4493-10	3 3				7-	37	170	207
J. McCraken	4481-01	3.					163	502	665
N. Haegel C. B. Harris	4963-01 4005-01	70A 22					49 42	43	92
G. C. Pimentel		18					22	311	353 22
G. Smoot	4192-01	50				•		525	525
B. Fultz	4051-30	62						119	19
J. Clarke	4685-02	19						100	100
N. Phillips J. Holthuis	4075 - 03 7588-42	18 62						550 500	50 500
D. Lippert	4685-02	42						194	194
R. Glaeser	4423-01	1.				 .		376	376
Total Liters f	or Berkeley		889	2441	3127	2526	1615	4462	15060

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Gary Gachis	Mechanical	Berkeley	August 25	, 1982

2B Distribution by Groups - Livermore

Group	Acct. No.	Bldg	<u>Jan</u>	<u>Feb</u>	March	<u>April</u>	May	<u>June</u>	Total
R. Brady	7581-12	231	-	-	-	- 60 -	-	. 525	525
		•							
Total Liter	rs for Liver	more	-	-	-	· -	-	525	525
Total Liter and Livermo		eley	889	2441	3127	2526	1615	4987	15585

Note: Livermore has its own helium program, but on occasion Berkeley does contribute.

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