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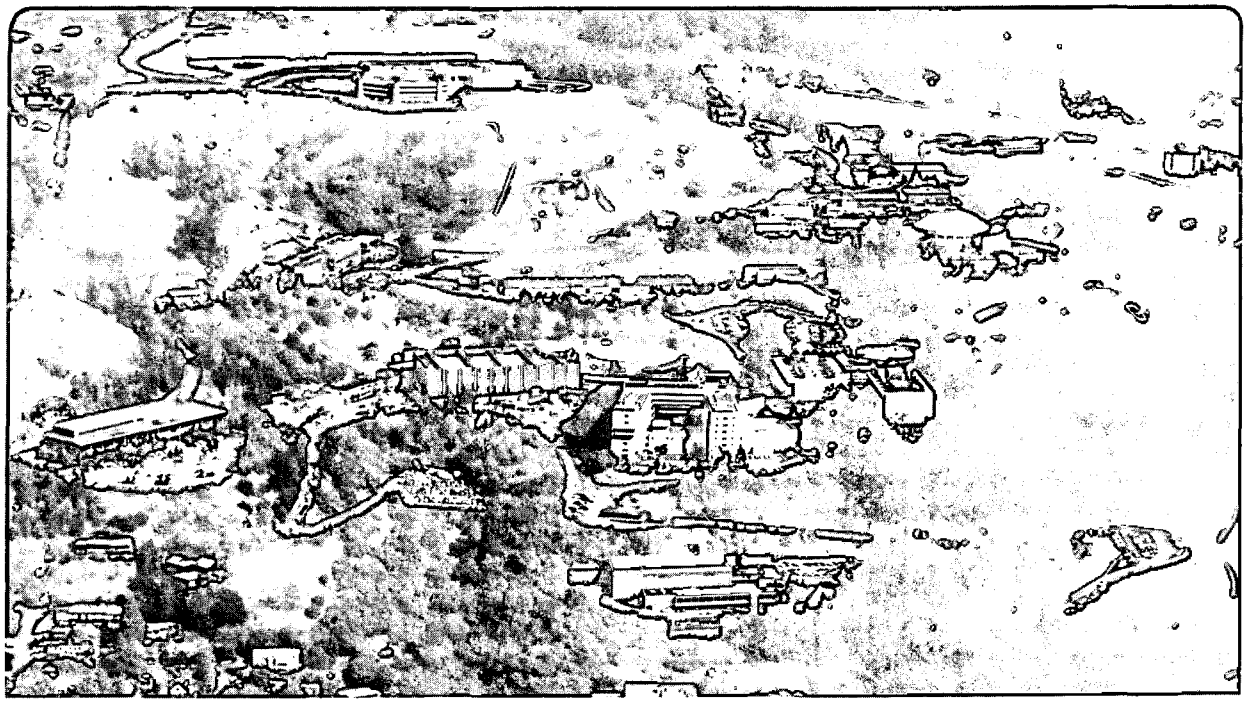

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ENGINEERING NOTE

CODE	SERIAL	PAGE
3140-01	M144	167 OF

AUTHOR	DEPARTMENT	LOCATION	DATE
Gary Gachis	Mechanical	Berkeley	August 25, 1982

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	Jan	Feb	Mar	April	May	June	Total
U.C. Chem	7212000	-	-	150	145	-	-	295
Total Liters		0	0	150	145	0	0	295

Total liters purchased from U.C. Chemistry Dept. 295

2. Distribution by Groups

Group	Acct. No.	Bldg.	Jan	Feb	Mar	April	May	June	Total
G. Devine	5261-59	341			150	145			295
Total Liters					150	145			295

Note: All liquid hydrogen used in Livermore.

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ENGINEERING NOTE

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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 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.	Jan	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	539	1354	1116	557	873	4896
Total Liters		889	2441	3127	2526	1615	4987	15585

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

2A Distribution by Groups - Berkeley

Group	Acct. No.	Bldg	Jan	Feb	Mar	April	May	June	Total
M. Hueschen	4963-01	70A	25	25					50
N. Edelstein	4030-01	70A	179	206	301	255	183	375	1499
H. J. Kim	4051-21	62	85	84					169
G. Shalimoff	4030-12	70A	25						25
M. Blackwell	4481-01	3	87	219	297	173			776
R. Mulford	4495-26	3	50	98	87	181	44		460
J. Taylor	7914-08	64	50	25			25		100
P. Luke	7916-04	70A	25						25
J. Clarke	4072-20	19	363	463	586	946	374	303	3035
G. Shalimoff	4030-02	70A		50	47		25		122
A. Bearden	4436-01	1		93	92	50	25	75	335
L. Packer	4768-01	20		10				10	20
D. Wake	4768-01	70		62	25	25	91		203
P. Luke	4854-01	70A		50	44	75			169
V. Lamin	4493-10	3		85	91	85			261
C. Jeffries	4070-20	19		8					8
C. Jeffries	4070-21	19		87	42			104	233
N. Phillips	4075-11	18		99	31	97	87	152	466
N. Phillips	4075-12	18		243	273	213	137	153	1019
N. Phillips	4075-21	18		21					21
A. Pines	4081-01	19		221	127	226	162	432	1168
P. Richards	4068-02	19		244	228	100	100	43	715
P. Richards	4068-14	19		48					48
K. Ehlers	4576-20	16			50				50
C. Jeffries	4070-15	19			43	25			68
C. B. Moore	4009-01	22			50		29		79
D. Lippert	4664-02	42			156				156
J. Holthuis	4051-48	62			557		20	25	602
J. Epstein	4192-01	50				25			25
H. Steiner	3662-26	80				50			50
M. Kline	4493-10	3					37	170	207
J. McCraken	4481-01	3					163	502	665
N. Haegel	4963-01	70A					49	43	92
C. B. Harris	4005-01	22					42	311	353
G. C. Pimentel	4480-01	18					22		22
G. Smoot	4192-01	50						525	525
B. Fultz	4051-30	62						19	19
J. Clarke	4685-02	19						100	100
N. Phillips	4075-03	18						50	50
J. Holthuis	7588-42	62						500	500
D. Lippert	4685-02	42						194	194
R. Glaeser	4423-01	1						376	376
Total Liters for Berkeley			889	2441	3127	2526	1615	4462	15060

2B Distribution by Groups - Livermore

Group	Acct. No.	Bldg	Jan	Feb	March	April	May	June	Total
R. Brady	7581-12	231	-	-	-	-	-	525	525
Total Liters for Livermore			-	-	-	-	-	525	525
Total Liters for Berkeley and Livermore			889	2441	3127	2526	1615	4987	15585

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

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