

Lockheed Scientists Plan Giant Laboratory In Space

WASHINGTON (AP) — A new plan for a giant wheel in space—intended as a laboratory 300 miles above the earth—was proposed today.

Scientists from the Lockheed Missile Systems Division of Sunnyvale, Calif., predicted that the space art will be advanced enough to do the job in about 10 years. It would cost more than two billion dollars, they estimated.

The wheel with five spokes would be assembled in space, with ready-made units fired up to a construction crew.

In operation it would support a scientific crew of 10 men for six months completely independent of earth supply. It would have a nuclear power supply as it orbited around the earth.

The basic rocket which would boost the space station compartments into orbit would be a three-stage giant, according to the Lockheed proposal.

The first stage would develop a million pounds of thrust and is to be designed to be recoverable. The second stage would add 300,000 pounds of thrust, or something less than the total power of the largest U.S. missile to date, the Atlas. The third stage would lift the payload into orbit.

As soon as four of the sealed self-sufficient compartments were blasted into orbit, the crew would move in with a rocket designed for assembly work and another designed to return to earth.

The assembly rocket is dubbed by Lockheed scientists the Astrolog. Its job would be to "capture" all of the space laboratory compartments as they are fired aloft, and fit them together into the wheel-shaped space laboratory.

The Lockheed proposal was presented by Saunders B. Kramer and Richard A. Byers before the fifth annual meeting of the American Astronautical Society of the American Assn. for Advancement of Science.

The Astrolog would have to locate, identify and capture the 23 space station compartments as they were needed. Some 15 compartments would go into the rim of the wheel alone.

Crewmen would be able to re-entry to earth in a special re-entry vehicle which would glide gradually into the earth's atmosphere and drop below the speed of sound some 25,000 feet above the earth.

At this stage the return vehicle would turn on a turbojet engine and fly as a normal airplane until it was captured piggy-back style by a mother airplane and brought in for a landing.

Lodge Seats New Councilor

ALTURAS—Allen Hess, son of Mr. and Mrs. Derrill Hess, was seated as master councilor of Modoc Chapter, Order of DeMolay, on Saturday night, December 27, at open installation ceremonies in the Masonic Temple.

The panel of officers installed included Calvin Mann, senior councilor; Richard Friberg, junior councilor; Phil Jones, senior deacon; Jim Shook, junior deacon; Bruce Ebbe, senior steward; Frank Rider, junior steward; Tommy Gardner, chaplain; Benny Hughes, marshal; Bruce Olsen, altar; Richard Tuxson, standard bearer; Richard Phillips, orator; and Bill Luckey, sentinel.

Charles Goulden, past master councilor, as installing officer was assisted by Dave Smith, senior councilor; Marvin Essex, junior councilor; Estle Argabright Jr., senior deacon; and Pete Stanford, installing marshal.

Fire Breaks Out In Hospital

TOPEKA, Kan. (AP)—About 260 patients of the Topeka State Mental Hospital were removed with their luggage after a fire broke out in a 70-year-old wing of the building.

The fire, controlled quickly, apparently started in a clothing room on the first floor. The cause was not known.

Dr. Alfred P. Bay, superintendent, estimated the loss at \$15,000 to \$20,000.

The displaced patients will be housed temporarily in other sections of the hospital.

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Herald and News

BULLETIN NO. 10

DATE 12-29-56

CUMULATIVE FIGURES THROUGH DEC. 19, 1956 COMPILED BY OREGON-CALIFORNIA POTATO QUINTELL, P.O. Box 789, HUNTINGTON, OREGON

	Ore.-Calif.		Washington		Idaho-Ore.		San Joaquin		Yreka		Modoc		Malheur		Total 7 Areas		Calif. Long	
	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957	1956	1957
(CARLOTS - 400 cwt.)																		
French Market / 1																		
1. By Carrier:																		
Rail	1394	1522	1405	8755	20511	19051	2624	1577	435	314	4703	6009	1950	4713	38015	41941		
Truck	2104	2619	3181	3724	2454	1293	3472	3722	3261	3191	2737	2523	2172	3149	20017	21811		
Total	3788	4341	9586	12519	23150	23004	5099	3299	3776	3505	7540	8532	4129	8372	48032	63802		
2. By Grades:																		
U. S. 1	3094	3424	8081	10347	17317	17125	6093	4387	2850	2772	6783	4402	4129	8372	48557	50849		
U. S. 2	594	917	1483	2105	2675	2555	912	628	733	118	1594	2500			5804	9215		
U. S. 3			24	77							53	250				563		
Mixed					3148	3254									1148	3254		
Total	3788	4341	9586	12519	23150	23004	5099	3299	3776	3505	7540	8702	4129	8372	48082	63802		
3. By Varieties:																		
White	37	32	523	559	673	798	4825	4235	2933	2885	5544	6438			14535	14975		
Red	150	251	1707	1750	1520	2175	142	95	128	152	2203	2203	3123	7571	14535	9017		
Russets	3501	4078	7258	10230	20586	19778	1132	959	617	430	129	38	405	401	34129	33524		
Mixed					281	281									281	281		
Total	3788	4341	9586	12519	23150	23004	5099	3299	3776	3505	7540	8702	4129	8372	48082	63802		
	(568)	(734)	(475)	(562)	(581)	(581)	(506)	(582)	(551)	(551)	(424)	(412)	(382)	(582)	(521)	(594)		
Other Outlets																		
1. Seed / 2	108	110	112	271	1	41					1017	1327	55	11	1293	1750		
2. Export			5	31	7	42							124		197	12		
3. Food Processing / 4	178	187	1455	294	7110	4387			1244	1520	718		1027	878	11773	7970		
4. Home-Use / 5																		
Starch	333		1558	1290	6572	6021	675	454			848		312	291	13598	10705		
Livestock Feed / 6	1373	1142	7295	3148	3207	1732	3391	2040	1712	1315	8875		20	43	25252	5187		
Total	1992	1651	10553	5171	13932	12211	1055	2074	3005	2895	11459	1327	2798	3873	48847	29905		
	(347)	(251)	(537)	(312)	(425)	(352)	(401)	(321)	(451)	(451)	(501)	(145)	(373)	(321)	(481)	(311)		
TOTAL DISPOSITION																		
	5780	5792	20241	18253	40092	32845	10165	7771	6589	6340	10099	10029	6847	12245	110298	95707		
/ 1 Certified as meeting U.S. French market requirements. Primarily table stock but may include few shipments to non-table stock outlets.																		
/ 2 Certified seed shipments only and reports from some areas incomplete.																		
/ 3 Many lots contain high percentages U.S. 1 and U.S. 2 grades. Includes chips, canning, freezing, flour and all types dehydrated products.																		
/ 4 Lots contain lower percentages of U.S. 1 and U.S. 2 grades or fail to meet M.O. French market requirements.																		
/ 5 Includes diversion to livestock feed, farm use, seed used for planting within area, etc.																		