

Space Milestones Totaled For 1962

LOS ANGELES (UPI) — The Air Force Space Systems Division noted today it achieved "many significant milestones" during 1962 in launching over 90 per cent of the nation's space probes and satellites.

The division, commanded by Maj. Gen. Beni Funk, reported that by working with the nation's leading aerospace industries it had made a notable contribution to the United States space program.

SSD has primary responsibility for the development and launching of space boosters, integrating payload with the boosters and tracking of payloads into orbit.

It listed the most significant space achievements during 1962 as:

Feb. 26: The first American was launched into orbit atop an Air Force Atlas space booster from Cape Canaveral, Fla. The astronaut, Marine Lt. Col. John Glenn, was recovered after landing safely in the Atlantic Ocean in his Mercury capsule. He orbited the earth three times.

Feb. 27: The Air Force launched its Discoverer 38 into polar orbit from Vandenberg A.F.B., Calif. The space capsule was caught in the air by a C130 aircraft on March 3 after it had passed around the earth 65 times. This set a new orbit record for a capsule.

April 23: The Ranger 4 spacecraft was sent on a collision course for the moon, impacting on the far side of the lunar body April 26. This was the first time a U. S. spacecraft had reached the moon.

May 24: Astronaut Scott Carpenter followed Glenn into orbit in a repeat performance of the historic flight. Carpenter's Mercury capsule was boosted into orbit by an Air Force Atlas. The launch, three orbits, and recovery were successfully accomplished.

Aug. 13: Under Secretary of the Air Force Dr. Joseph V. Charyk announced the successful flight of Agena D. The new Agena D is an Air Force program to develop a standard upper stage space vehicle. It can be launched atop an Atlas or Thor standard launch vehicle.

Aug. 26: An Air Force Atlas Agena B launched a Mariner 2 "Venus Fly By" spacecraft for the National Aeronautics and Space Administration. Mariner 2 successfully passed within 21,000 miles of Venus where special instruments radioed back to earth.

X-Ray Unit Developed In Oregon

PORTLAND (UPI) — Nearly 100 monkeys at Portland Zoo have been X-rayed with a new machine developed at McMinnville.

The machine, weighing just 45 pounds, promises to fill new needs in probing space and in combating disease.

The X-ray unit was developed by Dr. Walter J. Byke, president of the Field Emission Corporation at McMinnville. Instead of using elaborate heating equipment, it produces X-ray electrons by using a new cathode surrounded by an intense electrical field. It can produce a radiograph far faster than conventional machines.

The machine's speed makes it valuable in photographing missile parts during testing. Bonneville Power Administration foresees use of the portable X-ray unit in investigating ground rot in transmission poles. The Federal Aviation Agency is considering the machine for on-the-spot investigations of air crashes.

The monkey X-rays at Portland Zoo were part of field trials before the unit goes on the market in January.

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18 Prominent
20 Make amends
21 Bro's nickname
22 Comfort
24 "Gloomy dean"
26 Termini
27 Famous "uncle"
30 Gaudier
32 Clouding
34 Urfa
35 Continent
36 Office Strategic Services (abbr.)
37 Ivan
39 Formerly
40 Fedal
41 extremities

DOWN

1 Abhor
2 Ancient country
3 Pie coverings
4 Tubular
5 Metal
6 Young cat
7 Mariner's direction
8 Dull finish
9 Hodgepodge
10 Meager
11 River valley
17 Florida county
19 Requires
23 Viper
24 Neum (comb. form)
25 Bows slightly
26 Rub out
27 Good loser
28 European mountains
29 Encounter
31 Compound ethers
33 Dress feathers

Answer to Previous Puzzle

38 Raiment
40 Becomes diminished
41 Decreases
42 Stuff
43 Feminine appellation
44 Eject
46 "War of the
47 French stream
48 Manufacture
50 Harden

Research Of Dr. Davis Aids Health Discussion

The case histories and experimental research of a Klamath Falls naturopathic physician, Dr. Clarence W. Davis, will help provide the scientific framework for a significant discussion on human health scheduled for delivery to hundreds of delegates to the National Health Federation this week.

Cooperation of Dr. Davis in preparation of the talk was enlisted by Dr. John W. Noble, president of both the national and Oregon state associations of naturopathic physicians. Dr. Noble will be a featured speaker at the 1963 convention of the National Health Federation, scheduled for Jan. 2-5 at Long Beach, Calif.

Dr. Noble is slated to address the evening session of the convention on Jan. 3 with a talk on the "Problems of Naturopathy in Today's Fast - Moving

Quake Hits Northwest On Monday

SEATTLE (UPI) — A minor earthquake shook the Pacific Northwest Monday, rattling windows from Portland, Ore., to Wenatchee, but there were no reports of damage.

Residents of the region, mindful of the quake that did widespread damage and caused several deaths on April 14, 1949, flooded newspaper, radio and police station switchboards, but La. shake was a mere nudge compared to that one.

Dr. Howard Coombs, University of Washington seismologist, said the tremor registered an intensity of 4 on the Mercalli scale of 12. "Minor but moderately strong," he said.

Coombs' equipment clocked the tremor at 12:49:46 p.m., with a range from 50 to 60 miles.

The seismograph at Mt. St. Michael's at Spokane, registered the quake at 12:50:25 p.m. as "moderately strong." That reading lasted eight minutes and showed the center 225 to 230 miles distant.

Community Calendar

WEDNESDAY

WOTM, Chapter 467, 7 p.m., Moose Night, Moose Home, 1010 Pine.

THURSDAY

PROSPERITY REBEKAH LODGE NO. 104, 8 p.m., meeting, IOOF Hall.

Y-NE-M-A TWIRLERS, 8 p.m., square dance, YMCA. Bring sandwiches.

ST. MARY'S ALTAR SOCIETY, 1 p.m., Potluck and meeting, Sacred Heart parish hall.

DUPLICATE BRIDGE, Lakeshore Duplicate Bridge Club, 7:30 p.m., city library.

FRIDAY

LOOM, 7:30 p.m., Moose Night, Moose Home, 1010 Pine.

THETA RHO GIRLS CLUB NO. 8, 7:30 p.m., public installation, IOOF Hall.

YMCA FAMILY NIGHT, 6:30, potluck, games and recreation, YMCA. Bring table service, beverage.

SATURDAY

SHASTA BUILDING COMMITTEE, 8 p.m., card party, Community Hall, Shasta Way and Madison.

LOOM AND WOTM, 6:30 p.m., potluck, ham and scalloped potatoes, Moose Home. Card party to follow.

RAMBLING SQUARES, 7 to 9 p.m., beginning square dance, 9 p.m., regular dance, Bob's Barn. Bring refreshments.

DUPLICATE BRIDGE, Klamath Bridge Club, 8 p.m., city library.

TUESDAY

DUPLICATE BRIDGE, Lakeshore Duplicate Bridge Club, 11 a.m., city library.

WORTH WAITING FOR

NEWARK, England (UPI) — A Newark brewery said today that long-time employees are to receive free beer from the brewery's canteen every day—after they retire.

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8020	ALL WOOL PILE 12' x 13'6" Beige tweed	107.10	77 ⁹⁴	29 ¹⁶	8290	501 NYLON 12' x 16'6" Beige or brown	174.90	146 ⁵²	23 ³⁸
8375	501 NYLON 12' x 18' Brown or beige	262.80	207 ⁸⁰	55 ⁰⁰	8020	ALL WOOL PILE 12' x 10' Gold tweed	78.35	57 ⁷³	21 ⁰²
8290-2	501 NYLON 12' x 24' Green plush pile	261.20	219 ⁹²	41 ²³	5460	ALL WOOL PILE 12' x 15' Stripe pattern	99.40	60 ⁰⁰	39 ⁴⁰
1000	ALL WOOL PILE 12' x 15' Gold color Wilton	344.80	226 ⁴⁰	118 ⁴⁰	5460	ALL WOOL PILE 12' x 12' Stripe pattern	80.40	48 ⁰⁰	32 ⁴⁰
8960-5	ALL WOOL PILE 15' x 18' Amber gold Wilton	307.30	238 ⁶⁰	68 ⁷⁰	8960-2	ALL WOOL PILE 15' x 13' Surf green Wilton	224.45	172 ⁷⁶	49 ⁶⁹
6880	501 NYLON PILE 12' x 17'9" Surf green color	264.40	199 ⁰⁰	65 ⁴⁰	656	ALL NYLON PILE 12' x 14' Mountain green	177.30	124 ³⁰	53 ⁰⁰
3401	2 PATTERNS 9' x 12' Tweed colors	44.95	32 ⁸⁸	12 ⁰⁷	655	ALL NYLON PILE 12' x 20' Ember smoke	253.30	177 ⁵⁰	75 ⁸⁰
1014	ALL WOOL PILE 12' x 17'6" Brown Wilton	396.65	257 ⁰⁴	139 ⁶¹	8020	ALL WOOL PILE 12' x 15' Beige or gold	119.00	86 ⁶⁰	32 ⁴⁰
8375	501 NYLON 15' x 15' 3 colors	273.75	216 ⁵⁰	57 ²⁵	8020	ALL WOOL PILE 12' x 17' Stripe pattern	134.90	98 ¹⁴	36 ⁷⁶
8375	501 NYLON 12' x 24' Brown or beige	350.40	277 ¹²	73 ²⁸	8290	501 NYLON PILE 12' x 21' 2 colors	222.60	186 ⁴⁸	46 ¹²

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