

Vanguard Orb Plops In Sea

CAPE CANAVERAL, Fla. (AP)—The second stage brain failed to function and another Vanguard satellite rocket plopped into the Atlantic Ocean Monday night soon after blastoff.

This failure spoiled the first double feature satellite launching attempt. Earlier in the day, a 1,900-pound Discoverer satellite was hurled into orbit from Vandenberg Air Force Base in California.

No reason was given for the Vanguard's seventh snafu in nine tries. The National Aeronautics and Space Administration said it didn't know what happened.

When the second stage, which contains the guidance system of the 72-foot rocket, failed to function, the vehicle soared upward for a short time, then keeled over and plunged into the sea.

If it had worked properly, the Vanguard would have placed two satellites in orbit. One, Vanguard IIIA, carried a magnetometer to study the earth's magnetic field. The other, Vanguard IIIB, was an inflatable balloon to measure atmospheric drag. Each could have provided data essential to space travel by man.

The first stage hurled the assembly through the most dense part of the earth's atmosphere to a height of about 38 miles. Then the second stage took over.

Robert H. Gray, chief of Vanguard operations at Cape Canaveral, said the second stage, which was to have boosted the satellite payload up to a speed of 9,000 miles an hour, apparently fizzled at an altitude of about 200 miles.

Timberman Given Life

BUTLER, Ala. (AP)—A wealthy timberman was sentenced to life imprisonment Monday night for the rifle slaying of his wife.

Attorneys for John L. McPhearson, 36, filed notice of appeal of the first-degree murder conviction. The state had asked for the death penalty.

The defendant had pleaded innocent and innocent by reason of insanity.

McPhearson was charged with shooting his wife of 14 years in woods near Silas Jan. 29. Her body was recovered from an abandoned well to which, officers said, McPhearson led them.

McPhearson testified he and his 35-year-old wife had argued bitterly over terms of a divorce both were considering. He said his wife was shot accidentally when he fought with her for possession of a rifle.

STREET CLEANERS MOUNT CLEMENS, Mich. (AP)

Two armers of Selfridge Air Force Base, Darrell P. Tavernier and William B. Fish, both 21, zipped through town on a 10-ton street sweeper.

Police said both had been drinking before taking off. Municipal Judge Malcolm Trombley fined each \$35 yesterday for disorderly conduct.

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U.S. Scientists Announce Leprosy Vaccine Stride

By FRANK CAREY ATLANTIC CITY, N.J. (AP)—A possible lead towards developing a long-sought vaccine against leprosy — one of man's oldest scourges — was reported today.

A government researcher announced successful growth in test tube tissue culture of bacteria which causes leprosy in rats. He indicated that this might open one way to:

1. Producing a vaccine against the rat disease.
2. Perhaps ultimately developing a vaccine against the human malady.

Dr. Y. T. Chang, of the National Institute of Arthritis and Metabolic Diseases and the American Leprosy Foundation, gave this outline in a report to the 43rd annual meeting of the Federation of American Societies for Experimental Biology.

The bacillus that causes human leprosy is one of the wildest and most elusive organisms of the germ world.

For many years, he said, researchers have attempted to maintain growth of the organism outside its natural host, the human body. Though it grows vigorously inside the body, it stops multiplying and soon dies if placed in an artificial environment.

Researchers would like to coax

Cancer MDs Eye Parasite

ATLANTIC CITY, N.J. (AP) — A plant with joyous yuletide connotations—the mistletoe—is under investigation in the ever-widening search for new chemicals to fight cancer.

A team of Buffalo, N.Y., researchers reported Sunday they had confirmed earlier findings that there is antitumor activity against certain animal cancers in plants of the loranthus (mistletoe) family.

Researcher Oleg S. Selawry and two colleagues of Roswell Park Memorial Institute told the closing session of the 50th annual meeting of the American Assn. for Cancer Research that they had tested a number of preparations derived from such plants.

Some of them showed strong tumor-inhibiting action, especially against one form of mouse leukemia, they said.

The scientists said attempts are now under way to isolate and purify the active principle.

RR Shortage Meeting Held

SALEM (AP)—Ways to prevent an expected shortage of railroad freight cars in the Northwest this summer were discussed at a meeting of Gov. Mark Hatfield's emergency transportation committee here Saturday.

Major rail lines serving the region sent representatives. Afterward R. J. Hogue, Medford lumberman who heads the committee, said results of the meeting were encouraging.

He reported that the committee will inform the Assn. of American Railroads that a more equitable distribution of freight cars is needed for the Northwest. The association controls the allocation of the cars over the country.

Hogue said the emergency committee also may decide to appeal to the Interstate Commerce Commission. He said it may ask the ICC to fix regulations that would penalize rail lines that hold cars too long.

Gasoline Trucker Killed In Mishap

MONTICELLO, Utah (AP) — A truck - trailer carrying liquefied gas overturned south of here Sunday. Driver Charles Allen Hamilton, 23, Gallup, N.M., was unhurt.

He borrowed a smaller truck to transfer gas from the wrecked vehicle to Aero Gas Corp. tanks at Blanding, Utah.

Several hours later, the second truck left the highway at a hairpin curve and plunged into Rocky Devils Canyon. Hamilton was killed.

Experts Give Predictions As Space Forum Begins

DALLAS, Tex. (AP) — Space traffic cops and flights to other planets, say the experts, are possibly just a decade away.

These were the major predictions today as the Space Forum of the Southwest got underway with some of the nation's top space scientists participating.

Dr. Hubertus Strughold predicted interplanetary flights within a decade "if the Einstein-based theory of time-curvature holds true."

Dr. Andrew G. Haley said space traffic cops would be necessary in the age of interplanetary travel and are becoming increasingly needed each day.

Strughold, adviser for research at the School of Aviation Medicine, Randolph Air Force Base, San Antonio, Tex., said that if time actually stands still in the long journey to the stars we may be on the threshold on space travel.

Dr. Haley, president of the International Astronautical Federation and a Washington, D.C., attorney, said traffic cops of space even are needed now.

Haley and Strughold made their statements in separate press conferences Monday as a prelude to the Space Age Forum, sponsored by the University of Texas.

Haley said lawyers already are worrying over who owns space. He said it is an immediate problem between nations throwing missiles and satellites into the heavens.

"Earth-orbiting missiles," he said, "do not atomize and they could drop chunks of steel onto Dallas or Buckingham Palace—big chunks of steel."

The United Nations, he said, should set up a traffic control system now to control the path of such missiles.

"Furthermore," he said, "radio-television channels, which control the path of the missiles and satellites need international allocating."

He said the Soviet Union recently had used television channel 8 to control missile and satellite flights. "This already is a case of trespass on United States TV sta-

tions," he said. Strughold was asked, "If the theory that time stands still in space is correct, will it be possible for man to make interplanetary flights within 10 years?"

He answered, "Ja," in his native German. But, he added, not just anybody can make even an orbital flight around the earth.

Training and the proper amount of stability, emotional and mental, is necessary, he said. Strughold said the United States

would have men ready for earth orbital flights within a few weeks, for moon flights within a few months, and for interplanetary travel within 10 years.

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