

Railroad Wants Sale To Santa Fe

San Francisco — (UPI) — The board of directors of the Western Pacific railway voted Monday to sell the railroad to the Santa Fe and reaffirmed its opposition to a bid by the Southern Pacific to obtain the line.

The sale is subject to approval by the interstate commerce commission.

Santa Fe, which owns 20 per cent of Western Pacific stock, applied Oct. 25 for a controlling interest — offering one and a quarter shares of its own stock for one share of WP.

Southern Pacific, which owns 10 per cent of WP, offered to buy the railroad Oct. 10. SP offered a one-for-one stock exchange. The Western Pacific board said its reasons for Monday's action included:

—The Santa Fe offer of 1 1/4 shares of its stock for 1 share of Western Pacific is fair and reasonable from the Western Pacific shareholders' viewpoint, both as to the value of shares and also the increased dividend that would be received.

—Assure the perpetuation of efficient competitive east-west rail service in the territory of California, Nevada and Utah now served by Western Pacific, and particularly with our transcontinental eastern connections at Salt Lake City.

—Assure continuation of through north-south efficient competitive rail service via Santa Fe-Western Pacific and Great Northern, via the inside gateway.

—Provide stronger, more dynamic and more competitive service in the West, particularly in the San Francisco Bay area, the Santa Clara valley and the Sacramento valley; and

Bomber Crash Fatal to Five

Lockbourne, Ohio — (UPI) — An Air Force B47 jet bomber crashed on take-off at Lockbourne Air Force Base early today, killing all five crew members aboard.

A spokesman for the base, located about 15 miles southeast of Columbus, said the plane was bound for a routine training mission and carried no nuclear weapons.

Witnesses said the plane seemed to explode "in a ball of fire" while taking off about 2:05 a.m. EST. Flames from the burning plane shot 100 feet into the air, but base firemen extinguished the blaze within an hour.

Names of the victims were withheld pending notification of next of kin.

The plane was 50 feet off the ground when the right wing dipped and touched ground, the Air Force said. The plane exploded on impact but Air Force experts hoped to reassemble the pieces to try to find out what caused the accident.

REFUGEE AUTHOR DIES

Oerebro, Sweden — (UPI) — Estonian refugee author August Gallit, 69, whose many works included "The Fatherland" and "Toomas Nipernaadi," died Monday after a long illness.



ARRIVES AT UN—Congolese Foreign Minister Justin Bomboko, left, looks on as Congo President Kasavubu answers newsmen's questions during a press conference following the latter's arrival at New York. Kasavubu was reported prepared to denounce the UN for alleged "aggressions" in the new African republic when he goes before the General Assembly later today. (UPI Telephoto)

Crop Failures in Space Ship Farms May Be Expected

San Antonio (Science Service) — Crop failures may be expected in interplanetary farming in the confines of a space ship just as on earth, but farm failure in space is irrevocable, Dr. Daniel I. Arnon, professor of cell physiology at the University of California, Berkeley, said here.

Arnon spoke at a symposium on the Medical Biological Aspects of Energies of Space at the School of Aviation Medicine, Brooks Air Force base.

Although Arnon stressed the possibility of crop failure of algae used in photosynthesis, he said that this did not indicate that he was pessimistic about the ultimate success and value of such farming to the man in space.

A photosynthetic system, theoretically, could supply man in space with the main essentials of life: food, water and oxygen.

Arnon pointed out that crop failure would mean the death of the system and possibly the death of the astronaut that might be dependent upon it.

"Until inherent biological uncertainties are removed, man must take reserve supplies of his life needs with him in space," Arnon said.

Arnon, and his associates at Berkeley, Drs. Mitsuhiro Nozaki and Manuel Losada, are trying to "unravel the mechanics of photosynthesis, to break the process down to its component parts to eliminate present biological uncertainties."

Their research, still a long distance from the goal, he said, has revealed important evidence on the process of evolution of primitive plant and bacterial life as it existed hundreds of millions of years ago on earth, and the advances to more complicated plant and bacteria structure and behavior.

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Chance for Early Miscarriages May Be Much Greater

San Francisco — (Science Service) — The chance for miscarriage is much greater in the early weeks of pregnancy than shown in previous reports, two scientists from the University of California, Berkeley, have found.

Their five-year study, conducted on the island of Kauai, Hawaii, is the first attempt to follow all pregnancies in a community over a period of years.

The report shows a rate among early reported pregnancies of 221 fetal deaths, commonly called miscarriages, per 1,000 total births, much higher than earlier studies based on medical reports have indicated.

The risk of prenatal loss is probably highest in the first weeks of pregnancy, then declines gradually until the time of birth, their study showed.

Report Findings
These findings were reported here at the American Public Health association meeting by Dr. Fern E. French, biostatistician, and Dr. Jessie M. Bierman, professor of maternal and child health, of the University of California's School of Public Health, Berkeley.

One of the aims of the study was to identify every pregnant woman on the island of Kauai within a month after her first missed menstrual period.

Some 85 per cent of all the fetal losses occurred from the fourth through the 15th week of pregnancy, the report said.

Contrary to earlier findings based on medical records alone, the Kauai study showed that fetal losses from the fourth to the seventh week of pregnancy were as high or higher than losses in the eighth to the 15th week.

The findings can be applied in the U.S. mainland, the Berkeley scientists said, because Hawaii has a very high health status and compares favorably with the other states in life expectancy at birth, proportion of women receiving prenatal care, and number of infants born in hospitals.



BOMB EXAMINED—Postal inspector Frank Fish examines a small bomb which was found in the San Diego post office addressed to Vice President Richard M. Nixon. The find immediately caused the Post Office in Washington to "realert" its branches throughout the country to examine closely any packages addressed to the presidential candidates and their running mates. An investigation was under way to learn the identity of the anonymous mailer of the package. (UPI Telephoto)

To guarantee the same amount of batter for each muffin or cupcake, use an ice-cream scoop when filling the cake pans.

If you are going to sew light-colored fabrics, first dust your hands with cornstarch to absorb the perspiration and keep the material clean.

Motor Freight Request Denied

Salem — (UPI) — A request of McCracken Brothers Motor Freight, Eugene, to reduce its service through Crawfordsville and Holley to Sweet Home was denied Monday by Public Utility Commissioner Jonel C. Hill.

The firm wanted to cut its service from three times a week to once a week.

Hill said the proposed one-round trip schedule would not constitute "reasonable and adequate service" to the area.

Food Is Weighty Problem in Long Term Space Trips

Washington — (Science Service) — The weight of food man needs may limit the time he can spend in space, Miss Beatrice Finkelstein, space nutritionist for the Air Force and the National Aeronautics and Space Administration's Project Mercury, told Science Service.

Storage and weight, rather than nutritional content, are the major limiting factors involved in space feeding, she said. Each pound of dry weight placed in an earth orbit requires ten pounds of propellant.

An adequate supply of ready-to-eat, pre-packaged foods could be stored without a significant weight penalty for a man to get to the moon and back. But food for a trip to Venus or Mars, almost a year away from the earth, would impose too great a weight penalty, Miss Finkelstein said.

Not Economical
"If such packaged foods are to go with men on a planetary flight, the ship will have to carry about 1,300 pounds of food per man per year of flight. This is not economical with present launching requirements," the space food expert said.

The weight problem is only one of the many involved in feeding man in space with which Miss Finkelstein is concerned.

There is also the problem of feeding a man adequately and safely in a weightless environment. This requires special packaging so that food is accessible in easy-to-eat bite sizes to minimize the "danger" of crumbs. In a weightless environment, crumbs floating inside a space helmet and perhaps blocking the air tubes present a real danger, Miss Finkelstein said.

Normal Diet
If she has her way, men in space will receive a diet as close to that normally enjoyed on earth as possible.

Men in a space environment will have to endure a wide variety of both physical and psychological stresses. Appetizing, tasty food will aid in reducing these stresses," the Air Force nutritionist said.

For her contributions to this vital area of space research, Miss Finkelstein has been selected as the recipient of the McLester Award in the field of nutrition and dietetics by the Association of Military Surgeons of the United States, noon meeting here.

Thornton Rules On Logging Permits

Salem — (UPI) — Loggers working on federal lands do not have to have a state permit, Attorney General Robert Y. Thornton said Monday.

Answering an inquiry by State Forester Dwight L. Phipps, Thornton said it was not the intent of the Oregon forest conservation act to determine forest practices for federal forest lands.

Furthermore, the Oregon legislature does not have jurisdiction to determine forest practices on such lands, Thornton said.

Newhouse Probe Set To Continue

Portland — (UPI) — The special squad investigating the Oct. 16 shotgun shooting of Oregonian production manager Donald Newhouse will be continued until the assailant is apprehended.

The announcement was made Monday by Police Chief William J. Hilbruner. Hilbruner said the investigating squad has checked into the background of close to 100 persons in connection with the shooting during the last three weeks.

Newhouse was wounded Oct. 16 when a shotgun was fired through the basement window of his home.

Mayan Calendar Conversion Figured

London — (Science Service) — A new way of converting dates in the archaic Mayan calendar into the familiar, modern calendar has been worked out by a U.S. astronomer.

The happy coincidence of an eclipse of the sun very close to the date of the passage of the planet Venus across the face of the sun gave Dr. Charles H. Smiley of Brown University, Providence, R. I., the conversion method. Because of the coincidence he was able to match the known date of such a pair of celestial events in ancient times with the date as recorded in Mayan records.

Dr. Smiley reported in the British journal Nature that the correlation rests in part on the assumption that the generally accepted Spinden correlation is correct within 100 years. This assumption has been confirmed by radiocarbon results. Dr. Smiley set the date 477 A.D. as the beginning of the Mayan calendar.

LIBRARY REOPENS

Petersburg, Va. — (UPI) — The Petersburg public library, closed July 6 after it became the target of Negro sit-in demonstrators, reopened Monday on an integrated basis. One Negro took out a library card.

When pinning a corsage on a dress, push a small eraser from the lead pencil over the end of the pin to keep it from sticking you.

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