

Scientists Disclose Space Suits Insulated With Blanket Of Water

LOS ANGELES (UPI)—Scientists today disclosed space suits insulated with a quilted blanket of water as protection against radiation and an engine with the thrust of a Fourth-of-July rocket for launching huge spacecraft.

Also revealed at a conference of about 2,000 leading scientists and engineers was a means of making a lunar landing in a small vehicle from a spaceship orbiting 100 miles above the moon.

In a paper issued at the conference of the Institute of Aerospace Sciences, Dr. George R. Arthur, of General Electric's missile and space vehicle division, reported on the spaceman's water blanket.

He said it would be part of an aluminum and plastic "personal shielding system" to protect astronauts during flight from solar flares, which release clouds of protons and raise radiation during space flights to dangerous levels.

The heads of the spacecraft crew, he said, would be protected by removable aluminum and glass covers which would not impair vision. The back and foot areas would be shielded with borated polyethylene blocks — and the sides with aluminum plates.

With such armor, astronauts would pull a quilted water blanket up over themselves from a storage space under their feet to complete the enclosure. Slits in the water blanket would permit the crew to reach out to the control console.

General Electric also disclosed that huge interplanetary spacecraft weighing hundreds of tons probably would be propelled by electric engines developing about as much thrust as a one-pound Fourth-of-July Rocket.

Arnold D. Cohen, of the company's missile and space vehicle division, said electric propulsion engines would exceed high-thrust chemical or nuclear rockets "for sheer ability to transport high tonnages to Mars and beyond—once the spacecraft is in an orbit of the earth."

Cohen said electric engines still were in the laboratory stage, but would "come into their own after the more conventional high-thrust chemical rocket systems are able to launch more than 15,000 pounds into a low earth parking orbit."

Wilderness Survival Training To Be Stressed At YMCA Camp

Director of the YMCA summer camp at Diamond Lake, Odd Bjerke, will be stressing wilderness survival at this year's camp.

Bjerke, who is considered an expert on the subject, will instruct both boys and girls in living off the land in four different sessions of the camp.

The camp schedule is for boys: ages 8-14, July 22-31; ages 11-16, July 31 to Aug. 4; and ages 8-12, Aug. 5-11. For girls, camp will run Aug. 12-18 for ages 8-15.

Included in the survival training are studies of traps and snares, improvised fishing methods, fire making, edible plants of field and forest.



ODD BJERKE
... to stress survival

Young GOP Club Hears Candidate For Congress

State Rep. Carl Fisher of Eugene told the Roseburg Junior Young Republican Club Tuesday night he expected "significant gains" for the Republican party in the November election.

He was the featured speaker at the meeting in the Douglas County Courthouse.

The Republican candidate for 4th Congressional District representative said he expected the Republican gains "because the American people are not swallowing the oratorical tranquilizers which have been handed them in recent months."

"Everything is not rosy in this country of ours and the administration knows it despite attempts to make it appear so," he said.

He continued that "Washington publicity pros" are reporting everything is fine despite the situation in Laos, the ramifications of the Billie Sol Estes case and the gyrations of the stock market.

"Certainly there is no reason for gloom and doom, but it's time our elected officials stop trying to kid us," he said.

"As a nation, we must solve some very serious problems which won't disappear simply by feeding the public massive doses of oratorical tranquilizers," he said.

Fisher reported he had recently talked with Republican congressmen in Seattle and "they are honestly concerned about what is going on in our government." He said they, too, feel Republicans will gain control of Congress in November.

Fisher will speak again Thursday night as the featured guest of the Douglas County Republican Club. The dinner meeting starts at 7 p.m. at the Umpqua Hotel.

Khrush Not Invited To Seattle's Fair

SEATTLE (AP)—The State Department hasn't invited Nikita Khrushchev to the World's Fair and isn't planning to, Rep. Jack Westland, R-Wash., was informed Tuesday.

Westland, who said he was disturbed by a published report that the Soviet premier was to be invited to visit the fair this fall, wrote the State Department about it.

The department's reply, quoted in a special Washington dispatch Tuesday to the Seattle Times, said: "The department knows of no plans for Mr. Khrushchev to visit the Seattle World's Fair and has given no consideration either to supporting or initiating an invitation for him to do so."

The Times story also quoted presidential press secretary Pierre Salinger as denying he discussed any such visit with Khrushchev during Salinger's recent Moscow trip.

Sutherland To Open Bids

Bids will be opened on 23 for construction additions to the Sutherland sanitary sewer system.

Bids are being taken by Dorothy L. Fox, city recorder at the City Hall.

The work involves 1,220 lineal feet of eight-inch sewer pipe, three manholes, three lampholes and service connections.

STATE OF OREGON VEHICLE SALE
"SPOT BID" AUCTION AT UNIVERSITY OF OREGON
Hayward Field, Agate & 15th Sts.
EUGENE, 12:30 P.M. P.S.T., SATURDAY, JUNE 23

1961 Models: 5 compact sedans; 19 standard sedans; station wagon; 3 pickups; 5 dump trucks, two are 4 x 4's; 2 Chev. suburban carryalls; 1957's; flatbed truck and Scoopmobile loader. Several cars from Oregon State University.

Inspect at: Eugene, Hayward Field, Univ. of Oregon.
10 a.m. to 5 p.m. P.S.T., June 21-22 and from 9 a.m. Sat. June 23.
Complete payment must be made by 4 p.m. P.S.T. Tues. June 26, 1962.

Administration Rejects Tax Plan Alternate

WASHINGTON (AP)—The Kennedy administration has rejected a proposed compromise on its embattled tax revision bill, senators said Tuesday. The decision left the measure's future highly uncertain.

About the only certainty was that the bill faced still further delay because the Finance Committee is going to put it aside again Wednesday.

The measure has been passed by the House but has been held up in the Senate since April.

Sen. John J. Williams, R-Dele., senior Republican on the Finance Committee, told a newsman the administration was advised it could have the less controversial parts of the bill.

Such a plan would have meant dropping what the administration considers the three key elements of the revision measure:

- A \$1.35-billion investment credit designed as an incentive to business to modernize its plant and equipment.
- A withholding plan on dividends and interest.
- Increased taxes on foreign subsidiaries of U.S. companies.

However, Williams said, the proposed compromise would retain numerous loophole-closing provisions, including those affecting savings and loan associations and mutual banks, expense accounts, cooperatives, mutual fire and casualty companies, and foreign tax havens.

The plan was, said Williams, to hitch these and other noncontroversial provisions of the tax bill to a measure extending corporation income taxes and major excise taxes. This bill is to be passed shortly.

But the administration's decision, the Delaware senator reported, was to continue its battle for the entire tax revision bill.

Two Ask Bankruptcy

Two Douglas County men have filed for bankruptcy in U.S. District Court in Portland.

They are Sialas Sparks, a Reedsport electrician, and Wayne Stancel Box, a Riddle millworker. Sparks reports debts of \$19,780.05. And Box reports debts of \$4,751.36.

Shufflers End Dances

The Glide Shufflers Square Dance Club announces that dances usually scheduled for the second and fourth Saturday nights have been suspended for the summer months.

DIAL

OR 2-1616

FOR... SERVICE

We're As Near As Your Telephone

Years of Experience in Service Repair Will Be Available To You

- ★ APPLIANCES
- ★ TELEVISION
- ★ MARINE

"Umpqua Valley"

635 S. E. Stephens St.
Phone OR 2-1616



4-HERS IN CORVALLIS — Douglas County 4-Hers took in a field crops class at the 4-H summer school this month at Oregon State University in Corvallis. They were among 70 from the county who attended. Shown from left are Donnie Borders, Reedsport, and Joe Brumbach and Alan Young, both of Roseburg; and Tim Winningham of Applegate. Explaining the crop is Wheeler Calhoun, left, OSU agronomist. Patricia Bennett and Robert Carrico were elected county representatives at the school.

Jackson Takes Tour Of Lake County Lands

County Judge V. T. Jackson said he traveled about 650 miles in his recent tour of public lands in Lake County with the public Lands Committee of the Association of Oregon Counties was concerned primarily with grazing lands.

He noted that the group which included the association committee, county extension agents, Forest Service, BLM, Fish and Wildlife Service members and ranchers, traveled about 650 miles in two days visiting land.

Mostly involved were Taylor Grazing Lands.

Problems examined were those of trying to get more productive pastures for more cattle. During the tour, the group visited experimental pastures, water holes and land on the edge of the Fremont National Forest.

U.S. Fails In Second Attempt To Fire Nuclear Bomb In Space

By CHARLES BERNARD
United Press International
HONOLULU, Tuesday (UPI)—The United States failed for the second time Tuesday night in its efforts to explode a rocket-borne nuclear device over Johnston Island in the Pacific.

Officials of Joint Task Force 8, conducting the vital shot as though they had the fate of the world in their hands, destroyed the Thor rocket and its megaton nuclear warhead less than 120 seconds after it had been fired for a shot scheduled to take place at between 100 and 500 miles above the earth.

An official announcement from JTF8 headquarters in Hawaii said: "A Thor booster was launched tonight at about 10:47 p.m. HST (4:47 a.m. EDT) carrying a nuclear device designed for one of the high altitude tests in the current U.S. test series at Johnston Island."

System Malfunctioned
"But due to a malfunction in the system, the nuclear device was purposely destroyed without a nuclear detonation."

"The debris fell into the open sea well within the safety area which was previously designated. There was no danger to personnel. There will be no danger to human life or hazardous levels of radioactivity in the ocean."

The failure was nearly a duplicate of the first attempt on June 3. However, the latest one apparently was in trouble from the start and was destroyed in less than 120 seconds after launching.

One Megaton Device
The blast was scheduled to take place at an altitude of about 500 miles — highest explosion ever made by man. But it would have been far from the biggest.

This was to be a one megaton device — equal to a million or more tons of TNT. The U.S. exploded a 15 megaton device in 1954, and Russia fired tests of 25 and 58 megatons last fall.

JTF8 had cleared out a danger area 2,342 miles wide at 40,000 feet, extending above the Hawaiian Islands, but said there would be no danger to ground-level viewers who had headed to high vantage points in Hawaii to witness the blast.

Mid-Pacific military and commercial flights were routed around the test zone, and the detonation was expected to cause a blackout of radio frequencies in the Pacific for 16 to 32 hours.

Test Communications
Primary purpose of the test was to determine effects of a high altitude H-bomb explosion on radio and radar communications. Scientists want to find out if such a blast might furnish a defense screen against electronically-guided intercontinental ballistic missiles.

However, many scientists have criticized the test because of possible harmful effects on the Van Allen Belt surrounding the earth. The first shot in the rocket-borne nuclear test series was scheduled for June 1. But it was postponed twice and then failed on June 3, when the rocket and its warhead were destroyed minutes after launching because of a malfunction in the tracking system.

LOST

Lady's light blue wallet in downtown Roseburg Friday. Finder please return important identifications, photos and silver dollar.

Call OR 3-4034
Reward

From perpetual Weyerhaeuser forests...

A new wood siding with a guaranteed prime coat of paint

Weyerhaeuser takes over where nature leaves off in the production of tough, weather-tight and beautiful wood sidings for America's homes. New PRIMEWOOD bevel siding is a case in point. Before it leaves the factory, the wood is given its important prime coat of paint — baked on, and guaranteed not to blister or peel. Important, too, the prime coat is applied not only to the face, but to back and edges as well.

Consider the advantages. The baked-on priming provides a perfect base for smooth, long-lasting finishing paint coats. It resists water take-up and stops wrinkles — common causes of paint problems. It also protects applied siding that can't be painted immediately because of inclement weather.

PRIMEWOOD is a 100% vertical grain wood, kiln-dried for top performance and selectively graded to assure no waste surface. The savings over on-site priming, lack of waste and fast application, give you genuine wood siding at lower in-place cost than substitute materials.

Cap guide-marked with our symbol of quality, PRIMEWOOD is but one of many siding materials — one of literally thousands of products — from Weyerhaeuser tree farms. Sales of these products sustain payrolls and tax income that contribute importantly to the economic stability and prosperity of the Pacific Northwest.

ANOTHER PAYROLL BUILDER FROM NORTHWEST FORESTS

As products flow from Northwest forests to markets throughout the nation, they set in motion a return flow of money that provides local jobs, payrolls and taxes. In fact, the production and sale of forest products support about one-half of the entire economy of this region. This is one reason why it is so important that the Northwest's industrial forests should be managed to insure a relatively steady and endless flow of wood, year after year. Weyerhaeuser lands are managed under this sustained yield policy.

Weyerhaeuser

Symbol of quality in the world of wood