

Moore Hamilton, Medford postmaster, has been named to the committee to promote the observance of United Nations Day in Oregon Oct. 24, according to Thomas L. Scanlon, director of research and education department of the Oregon State Labor Council and chairman of the program.

Gov. Robert D. Holmes this week signed a proclamation setting Oct. 24 United Nations Day in Oregon. Plans for the second annual United Nations Day reception in the governor's office that day also were announced.

Emissaries of foreign nations, state, county and city officials have been invited to participate in ceremonies in the capitol at Salem, Governor Holmes said.

Engineer Tells Experiences Encountered By Man Making First Trip To Moon

Editor's Note: Two engineers, Dandrige M. Cole and Donald E. Muir of the Martin Co. in Denver, recently told the American Astronautical Society in a formal paper that if the U.S. wanted to spend the money, it could send a man to the moon and back within five years. United Press International asked Cole to explain in layman's language what such a trip would be like, on the basis of facts now known. This is how he thinks it would be.

By DANDRIDGE M. COLE
(Written for United Press International)

The pilot for the first American Moon Ship lies in his space suit in his water-filled acceleration couch as the mighty four-stage rocket rises slowly from its launch pad.

His back presses lightly against the bottom of the couch, his slight positive weight controlled by his weighted suit and the buoyant force of water.

As propellant is burned and

the weight of the rocket decreases, acceleration climbs to almost 10 times that of a falling body, and without the supporting water the pilot would be crushed helpless and perhaps unconscious against his couch.

But the pilot is an important part of the control system and it was well worth the extra trouble of the designers to keep him mobile

and in full control of his facilities.

Pitches Violently
Suddenly, the rocket pitches violently.

The pilot watching his instruments responds instantly and overrides the auto-pilot with manual control. A short circuit in the control system has caused the rocket to swing hard to one side.

The resultant pitching of the rocket could send it crashing back to earth, but one of the most reliable parts of the control system, the pilot himself, corrects the thrust alignment and slowly brings the rocket back on course.

The fourth stage rocket burns the last of its propellant and the acceleration drops from a high point of 10 gravities to almost zero. While the engines supply a small thrust to permit the guidance system to control the cut-off velocity accurately, the water is pumped from the pilot's acceleration couch to storage tanks.

When the engines shut off, the ship has reached a velocity of 25,000 miles per hour. The powered phase of the moon flight has taken less than 10 minutes.

Now the ship will "fall" toward the moon for one and a half days while the pilot and all the contents of his small cabin remain in a weightless state.

Time Passes Quickly
The 36-hour coasting flight to the moon passes quickly for the pilot. He has more than enough to keep him busy in making the necessary navigation calculations and scientific observations.

The United States has paid a high fare to transport the pilot's brain, sensory organs and nervous system around the moon and he must earn his way by performing tasks better than an equal weight of instruments.

A computer and automatic guidance system of somewhat greater weight than the pilot and his supplies could solve the required navigation problems in a few minutes.

Can Make Allowances
But the pilot has lots of time and he can make allowances for unforeseen factors which might upset the results of the automatic system.

The pilot has been carefully selected for his high intelligence, courage, resourcefulness, and mental and physical health as well as for his scientific education and flight training.

A most important phase of his training was that of orbital flights, one for six hours and one for two days, have trained him to meet almost any situation he might encounter on his lunar flight.

He has learned to enjoy the freedom of weightlessness and experiences little difficulty except for occasional "falling nightmares" during periods of sleep.

Some normal functions such as eating and elimination of body wastes are more difficult in a "free fall" and he chooses to minimize this inconvenience by spinning his ship for short periods.

Could Produce Dizziness
The spinning motion of such a small vehicle could produce dizziness and nausea if used at too high rate for too long a time.

However, the pilot has found that one-tenth of normal gravity was quite comfortable for short periods required for eating, etc.

As the ship approaches the moon, the pilot takes some careful sightings and makes a small correction in his course.

He wants to bring his ship down as low as possible over the surface of the moon to permit more detailed obser-



PILOT'S CHILD—Widow of Ivan C. Kincheloe Jr., holds her baby daughter, Jeannine Frances, born Oct. 1 in Oakland, Calif. The baby's father, killed in a routine flight last July, might have been the first man into outer space, had he lived. Before his death, he had taken a research plane to a world's altitude record of nearly 24 miles.

Russia to Continue Nuclear Tests

United Nations, N.Y.—(UPI)—The Soviet Union served notice Tuesday it intended to continue nuclear weapons tests until it had equaled the total explosions set off by the United States and Britain together.

Soviet Foreign Minister Andrei Gromyko made the statement to a packed news conference.

He refused to say how many explosions would be involved. He said this could be determined by research and comparison in "available scientific documents."

The U.S. and Britain have proposed a conference to start in Geneva with the Soviet Union Oct. 31 on the question of possible suspension of nuclear weapons tests.

They have announced their own tests would be suspended for at least a year beginning with the start of such a conference provided the Soviet Union goes along.

Hurricane Janice Lashes Bahamas

Miami—(UPI)—Hurricane Janice lashed the Bahamas Islands with 75-mile-an-hour winds before churning into the open sea and leaving at least one dead and uncounted damage in its wake.

An unidentified sailboat skipper was believed to have drowned in Nassau Harbor when waves swamped his 15-foot dinghy.

From other parts of the city, a favorite for honeymooners and tourists, there were reports of power lines down, unmanned boats destroyed and houses and cars damaged.

Miami weather forecasters said no U.S. coastal areas were in immediate danger.

valuation than has been possible with the instrument's lunar probes.

He is not too surprised to find that the far side of the moon looks much like the side toward the earth since the lunar probes have obtained some excellent pictures.

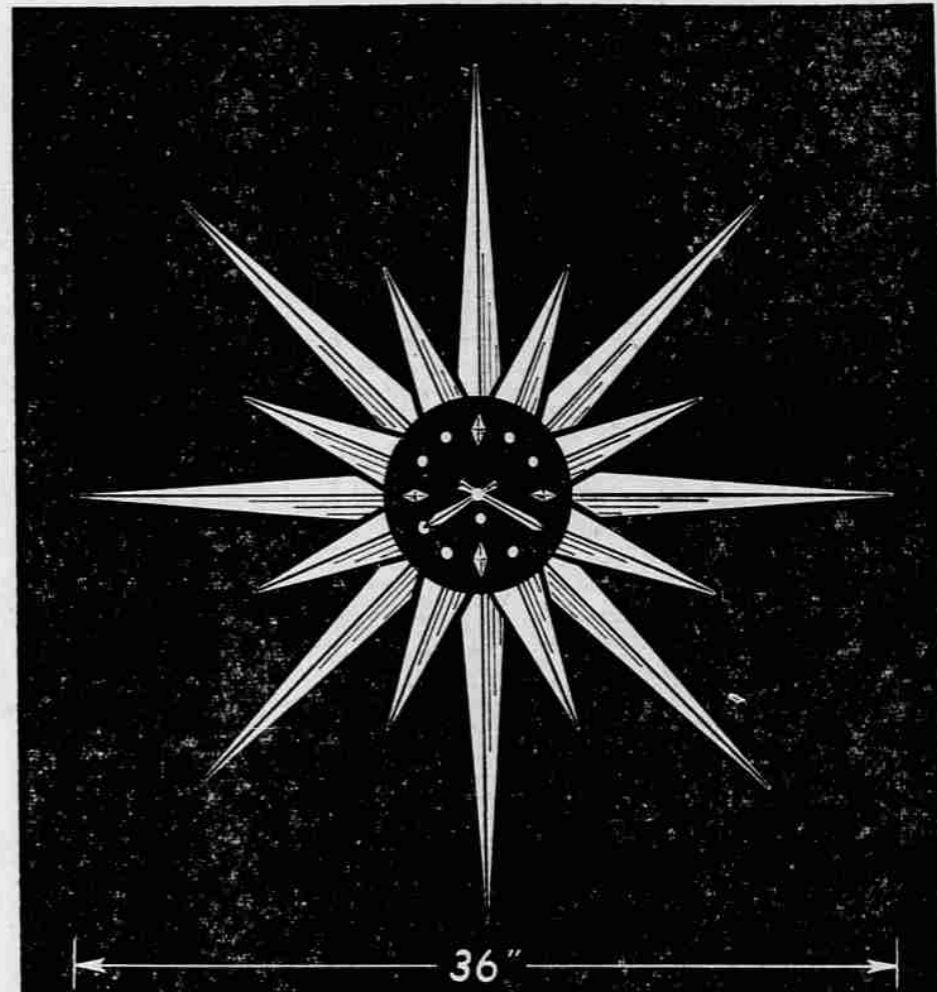
Directs Cameras
However, he watches carefully for anything of unusual interest, and directs his cameras toward possible landing areas.

As he sets his course toward home, the pilot wonders what later exploring parties will find.

An unchanging, sterile world? Or perhaps evidence that man is not alone in the mysterious and boundless universe.

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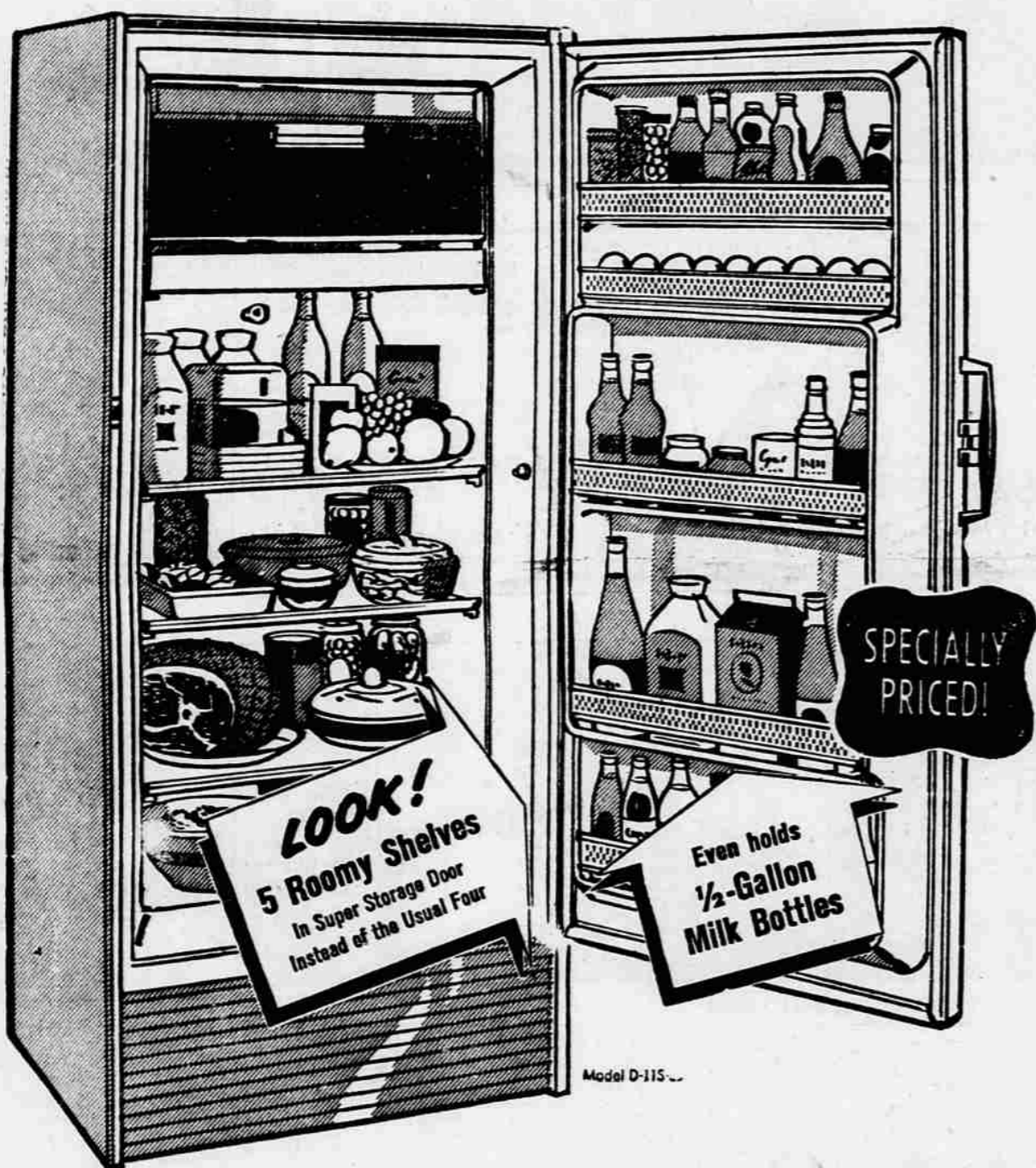
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