

Scientists Preparing for Man's First Flight Into Outer Space

Haste Essential To Beat Russia To Epochal Trip

Editor's Note: Following is the first of five articles written by Martin Caiden, telling of this country's preparations to send a man into space. In today's article, Caiden tells of scientific preparations for the flight.

By MARTIN CAIDEN
(Written for United Press International)

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Jim Randall sits tensely in the cockpit. The moment has come. In a matter of minutes he will be America's first traveler in outer space.

"How did I get here?" He thinks. "What am I doing? Will I ever see this earth again?"

Jim Randall is a name I picked at random. This Jim Randall doesn't exist — and yet he does. He is a composite, a true composite, of the sort of man who will become, and very soon, America's first man in space.

How did he get into that seat? What is he doing? Will he ever get back to earth again?

The answers are all before us. We know we can put a man into space, into orbit. The only question is when. It could be tomorrow.

Will Be Right Man

Thousands of scientists and engineers in the United States are at this moment preparing for "Jim Randall's" epochal flight. When his moment does come, he'll be the right man for the job. He'll be prepared.

Before we sent our "Columbus of space" on his historic journey, let's examine, briefly, the challenges he—and the brilliant men who paved the way for his take-off—face.

There are two major enemies. One is the simple, basic danger of this first flight, the danger that in a split-second, the efforts of years could be destroyed, and our first spaceman killed.

The second enemy is time. It is the knowledge that Russian scientists are in a crash program to send a spaceman out of this world before we do.

Harrowing Journey
The initial thrust of man away from his home planet into space will be a harrowing journey. From the first second of flight the pilot will be subject at every moment to catastrophe. He will be punished by his rocket launching; from brutal high-gravity conditions he will be thrust into total weightlessness. His fuel tanks may explode or consume him in fiery death. Once in orbit his controls may not function, and perhaps he will be marooned in vacuum, to

Scio Man Killed On Mt. Jefferson

Salem — (UPI) — A mountain climber fell to his death Sunday while climbing on Jefferson Park glacier on Mt. Jefferson about 65 miles east of here, state police said.

Robert Trahan of Scio was struck on the head by a falling rock causing him to fall several hundred feet, according to his companion, David Neitling, Stayton.

Neitling told rangers he climbed down to Trahan's body and that his companion was dead. He then hiked about 10 miles to the ranger station where Marion County Sheriff Denver Young was notified.

Young and the Santiam Mountain Rescue council planned to set out at dawn today to recover the body.

College Receives Additional Bequest

Ashland—Southern Oregon college has received an additional bequest of \$901.80 from the estate of the late Amelia Britt, Dr. Elmo N. Stevenson, president, announced last week. The amount represents the balance of the bequest from the Britt Estate to Southern Oregon college.

The college received a portion of Miss Britt's estate under provisions of the Britt will and the new Britt Student center on the SOC campus honors the pioneer family of southern Oregon.

Besides the bequest to SOC, Miss Britt created a \$50,000 scholarship fund for Jacksonville High school students. In addition, \$25,000 was given to the Shrine Hospital for Crippled Children by the Jacksonville family.

Dr. Stevenson pointed out that the additional money would be added to the present Britt scholarship fund for the use of worthy students during the coming academic year.

die slowly from lack of food, water and air. His ship may be struck by a hurtling meteor, and he may die horribly as air and body fluids explode outward. If his return to atmosphere is not perfect, he may be crushed by deceleration forces. Too swift a return may incinerate him from friction with the thickening air.

Many More Dangers

These dangers, and many more, must be overcome by a single pilot. A man who is physically perfect, whose nerves are sound. This is the man I am calling Jim Randall. He was selected from the ranks of Air Force test pilots. He is about 28 or 29 years old, with thousands of hours flying experience in jets and rocket aircraft. He is a capable mathematician, an expert navigator. He is a veteran of many demanding flights with experimental, tricky airplanes. Most important: he wants to make that flight, to accept all the dangers. And if we are to be successful in our critical war for outer space, he must make that flight soon.

Our second enemy is just as real. The race to put the first man in space is vital because of the stakes involved. The nation which first establishes a capability of manned space flight will have a tremendous military advantage over the rest of the world. The Intercontinental Ballistic Missile, or ICBM, is not the "ultimate weapon." It has too many weaknesses; it is barely capable of modifying its course in flight. Defenses are being created to reduce its effectiveness. It is a powerful weapon, but it will never replace manned strategic weapons.

Need Manned Ships

We need manned spaceships, manned satellites, manned space weapons. We need them desperately if we are to continue our present superiority in strategic striking power over the Soviet Union. Russian scientists are determined to wrest from us the advantages we now enjoy with our strategic range bombers. They can do this only with a successful manned space program.

Actually, there's little problem in sending a man into space. "We can put a man into space any time we want to," one scientist told me. "There is no problem with the rockets we have today in firing a man into orbit at 18,000 miles per hour. The trick is to bring him back—alive."

The Air Force's MISS Project (Man - In - Space-Soonest) calls for a pilot orbiting the earth in a capsule satellite by late 1958. This is an unrealistic target date, many military leaders feel. By late 1959, they warn, Russia may well have launched several manned spaceships.

Alternate Programs

Thus our top scientists and military planners are considering alternate programs—developing equipment now available, modifying it for space flight, and moving up by many months their target date. The logical choice for this program is the North American X-15, a rocket powered research airplane. Designed to fly faster than 4,000 MPH the X-15 can be mated to the giant Navaho rocket booster. This combination could send the X-15 to more than 200 miles above the earth, into orbit at 18,000 MPH. More important, it can bring its pilot back safely.

ARPA (Advanced Research Projects Agency) have given the Air Force the primary responsibility for the first manned flight into space. The Air Force needs desperately to accomplish this mission in the shortest time possible. It has several vital manned space projects under way. In their success lies the key to future military superiority. There is MISS, the beginning of manned space stations. There is DYNASOAR (for dynamic soaring) which calls for 16,000 MPH manned bombers which plunge from space to "skip" across the atmosphere at hypersonic speeds. There are other, highly secret projects. But they all wait for the success of the most critical flight ever made—the launching of the first man into space.

(Next: Jim Randall—Space-man.)

U.S. Consul Flies To Rebel Stronghold

Havana — (UPI) — U. S. Consul Park Wollam flew back into the rebel-held hills of Oriente province Saturday presumably to answer insurgent demands for some sort of recognition from the United States.

The rebel demands appeared to be the only obstacle holding up the release of 29 kidnapped American sailors and marines.



KILLER MANIAC CAPTURED—Bearded prospector Norman A. Foose who wantonly shot and killed two youngsters in Cuba, N. M., lies on the ground after being wounded and captured by a posse near Llaves, N. M. Foose, once a patient in a mental hospital, was tracked down and captured after an all-night manhunt in the northern New Mexico mountains.

ILLINOIS VALLEY Club Members Take Tour

By RUTH RAUSCH

Cave Junction — Members of the Jerome Prairie Garden club visited the valley Thursday, July 10, on a garden tour. The 12 members stopped first at the home of Mrs. Floyd Wells to inspect the beautiful garden Mrs. Wells developed from virtually nothing more than rocks.

The tour advanced to the home of Mrs. Jack Villair where refreshments were served on the patio.

Mr. and Mrs. Elwood Knight of Riverside, returning to their home from a vacation in Vancouver, stopped for a visit with Mr. and Mrs. Floyd Wells for the week end.

The Walt Huntings, with their guest Mrs. Dewey Killbrew, of San Diego and the Whistler visited the Oregon Caves Tuesday of this week, staying for the nightly bonfire entertainment following dinner in the Chateau dining room.

The Illinois Valley Grange will hold their annual picnic at Grayback the last Sunday in July.

The Don Holtens of Cres-

Western Air Lines, Pilots in Request

Los Angeles — (UPI) — Appointment of a third member of an arbitration commission to settle unresolved wage questions was sought today by West Air Lines and the Air Lines Pilots association.

A joint request by the company and union for the commissioner was forwarded Sunday to the National Mediation board. Both sides have agreed to abide by the commission's decision, due in 30 days.

Pilots of the airline went back to work in June after the longest complete shutdown of a commercial airline in the nation's history. Western was grounded for more than three months.

Auto Contract Talks Resume

Detroit — (UPI) — Auto contract negotiations involving a half-million workers at General Motors, Ford and Chrysler resumed today following a two-week recess.

GM and United Auto Workers spokesmen told reporters when the recess at GM started July 2 that they had reached agreement on only five secondary "non-economic" issues since bargaining started March 25.

Major issues of wages, unemployment benefits, pensions and job transfer protection still remain to be settled.

Lehi IV Again Tries To Float to Hawaii

San Pedro — (UPI) — The "Redeemer of Israel," a 35-foot fishing boat, made its way out into the Pacific today, towing the raft Lehi IV and its five-man crew.

Skipper Devere Baker's newest attempt to float to the Hawaiian Islands, foiled three times before by bad weather and various accidents, began Sunday.

Trade Commission Checks Fur, Wool Garments for Labels

By LOUIS CASSELS

United Press International

Washington — (UPI) — There is one thing worse than having to buy your own vicuna coat. That's paying for vicuna and not getting it.

The Federal Trade Commission has a staff of 25 full-time sleuths whose job is to see that you don't get gyped when you buy a fancy wool or fur garment.

It was these FTC detectives who lodged mis-labeling complaints against Bernard Goldfine's mills, and sent Goldfine in search of his friend Sherman Adams.

Policing the wool and fur trades is quite a task for 25 men. It involves keeping a beady eye on the quality, labeling, price and advertising practices of some 65,000 manufacturers and 300,000 distributors.

The FTC men have been unusually busy lately. During the 1958 fiscal year, which ended June 30, they tagged 77 firms with formal complaints for violating the fur products labeling act. They filed 36

formal complaints for deceptive label or pricing of wool. About 90 more cases are now pending.

Issues Warnings

Formal complaints are issued only in serious cases. The FTC tries to handle minor or unintentional infractions by issuing an informal warning to the offender and obtaining his written assurance that he'll toe the line hereafter. About 2,500 cases were handled this way during the past 12 months.

Harvey H. Hannah, chief of the FTC's Wool and Fur Division, readily admits that his small staff can't catch all of the sharp operators in the far-flung wool and fur trade.

"This is a job in which we urgently need the public's cooperation," said Hannah in an interview. "We are trying to educate consumers to help us enforce the laws Congress has passed for their protection."

The first step in this education program, Hannah said, is to make the public aware of what the laws require.

The Wool Products Label

Act of 1939 says that suits, blankets and other woolen goods must bear labels which accurately describe the "fiber content" of the product in plain English. For example: 60 per cent wool, 30 per cent rayon, 10 per cent cotton.

Must Be Identified

Re-used or re-processed wool must be clearly identified. When "specialty fibers" like vicuna, cashmere, mohair and alpaca are used in a garment, the precise percentage must be shown on the label.

Exaggerating the amount of specialty fibers in a product is one of the commonest violations. Hannah said consumers should be suspicious anytime they are offered garments purportedly containing expensive fibers like cashmere or vicuna "at ridiculously low prices."

Another common violation is failing to identify re-used wool. Hannah offered this tip to buyers: "The fabric of reclaimed wool is very weak. If you put your fingers on either side of the material and work them back and forth you

Collapse of Bridge Kills Summit Man

Corvallis — (UPI) — David F.

Lister, 68, of Summit, was killed Sunday afternoon when a bridge collapsed while he was driving a tractor and hay bailer across it.

The accident occurred on a private wooden bridge about two miles north of Summit, a community located northwest of Corvallis.

can put a hole right through it."

When the traditional "August fur sales" get underway next month, Hannah said, you can be reasonably confident that no one will try to sell you a "mink" coat that really came from a muskrat. That kind of flagrant mis-labeling of fur has virtually disappeared since the labeling act took effect in 1952.

Prior to that law, the pelt of the lowly rabbit was marketed under 96 different fancy labels, including "Australian seal," "Baltic lion," and "Belgian beaver." Today all furs must be labeled with the plain English name of the animal from which they come. Rabbit, deprived of its elegant pseudonyms, has virtually disappeared from fur shops.

The two machines plunged about 20 feet into Marys river when the structure gave way.

Lister was pinned under the tractor in about four feet of water, Benton County Deputy Sheriff Ed Reem reported.

Death was due to crushed chest, Reem said. He said there would be a coroner's inquest, however.

Body of Second Portland Girl Found

Kelso, Wash. — (UPI) — The body of the second of two Portland sisters who drowned in the Columbia river July 6 off Sauvie island at Portland was recovered Saturday in the river 1 1/2 miles north of Woodland, the Cowlitz county coroner's office reported.

The victim was Connie Scroggins, 11. Connie and her older sister, Shelia Ann, 15, drowned when they slipped into a mud hole and were swept away by an undertow. Shelia Ann's body was found a few days later.

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All entry blanks must be postmarked by midnight, August 30, 1958. Address, Sweepstakes Contest, P. O. Box 9, New York 46, N. Y. Selection of winners to be determined by an independent organization. Winners will be flown to New York City via

AMERICAN AIRLINES for shoveling contest. Sweepstakes not open to residents of any state or locality where sweepstakes of this kind may be prohibited or taxed.

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Silver Dollar 'Shovel-Off' will be Televised over the Dave Garroway NBC-TV Network "TODAY" SHOW on Sept. 24th.

Canada Dry makes 10 delicious beverages; here are 3:



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