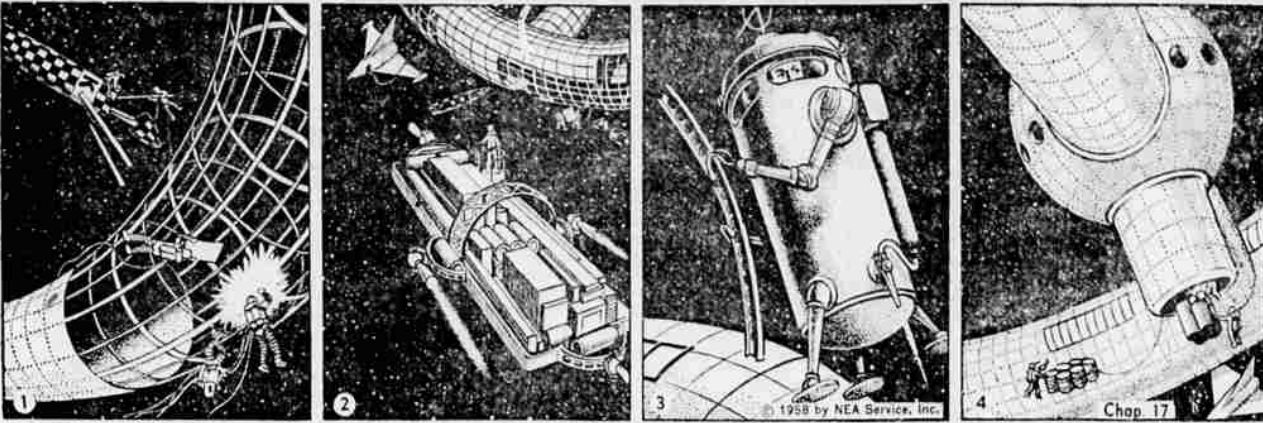


OUTWARD TO THE STARS (17)—Building the Space Station

By Don Oakley and Ralph Lane



(1) Enormous difficulties must be overcome before the building of a permanent manned space station is feasible. But its construction will be easy in one respect, if only in one: The absence of gravity (actually, Earth's gravity canceled by centrifugal force in orbit) will enable men to maneuver huge girders and plates about like feathers.

On the other hand, the human problem alone will be tremendous. Each worker's spacesuit must be a self-contained "world." The need for eating and sleeping quarters will limit the number of men able to work at one time. Sudden movements from shadow into unfiltered sunlight will be a real

danger to a worker's eyes. Spacesuit failure will mean death. Other factors, some as yet unknown, may cut actual working time to a few hours.

(2) A strange-looking craft is this cargo ferry or space taxi. Platforms like this will scurry about in orbit, gathering materials and supplies from cargo rockets.

(3) Recent discovery, by means of the tiny Vanguard 1 satellite, of a band of hitherto unsuspected intense radiation some 600 miles above the Earth may seriously hinder man's dream of space travel. Some sort of protective "suit" such as this may be required for any prolonged stay in space.

A thick, lead-lined cylinder, it is a tiny spaceship in its own right. Explorer IV now in orbit is probing the nature and extent of this strange band of radiation.

(4) Months will be required to construct the shell of the space station. Then more months to finish the interior, install instruments and equipment. Here, the completed station is ready to be provisioned. Zero gravity condition at the hub facilitates the loading of supplies. In the central hall, spacesuits can be removed. Tubes lead to the main sections of the station in the rim.

Next: Inside the Station, the Moon Rocket.

Justice Department Challenges Racket Committee's Criticism

WASHINGTON (AP)—The Justice Department, challenging criticism by the counsel for the Senate Rackets Committee, says it stands ready "to do everything possible . . . to convict labor racketeers and perjurers."

The department said it is about to present to a grand jury two cases referred to it by the committee for possible prosecution in perjury charges. These cases grow out of conflicting testimony in the Senate group's probe of wrongdoing in labor and management.

The statement that "vigorous prosecution has been, is and will continue to be our policy" was contained in a letter yesterday from Malcolm Anderson, assistant attorney general in charge of the department's Criminal Division.

The letter was addressed to Robert F. Kennedy, Rackets Committee's counsel. Kennedy had told newsmen he was disappointed because the Justice Department had obtained no indictments in at least 20 cases of suspected perjury in 18 months of Senate hearings.

Anderson said that of 14 cases referred by the committee as involving possible perjury, eight had been closed because a study didn't

Museum Show Goes On Tour

PORTLAND (AP)—The first printing press used in the Oregon territory, the tomahawk used by Indians to kill missionary Marcus Whitman and other historical objects will go on tour this week.

A mobile museum traveling over the state to publicize the Oregon centennial next year will display the objects.

The exhibit will be on a 40-foot-long truck trailer being loaned by the trucking industry to the Oregon Historical Society and the Centennial Commission. Truckers also will, at their own expense, haul around the museum.

It also will contain the diary kept by John Hoskins, supercargo on the ship Columbia in 1792 when Robert Gray, its skipper, discovered the Columbia River.

Gov. Robert D. Holmes will dedicate the van Wednesday at McLoughlin House in Oregon City, the old territorial capital. It will be taken Thursday to Madras to remain Thursday night, Friday and Saturday. Then it will be moved about to 26 other communities in Eastern Oregon, Gresham, St. Helens, Longview and Vancouver.

After being returned to Portland Dec. 2, tours of the coast, Southern Oregon, the Willamette Valley and the Portland area will be arranged.

Marilyn Monroe Is Hospitalized

HOLLYWOOD (AP)—Marilyn Monroe is in the hospital and her husband says too much work is the reason.

The blonde actress finished a torrid love scene with Tony Curtis yesterday at the Coronado, Calif., location of "Some Like It Hot."

Her husband, playwright Arthur Miller, then drove her to Cedars of Lebanon Hospital here. Miller said his wife probably would be in the hospital four or five days for a complete checkup.

Director Billy Wilder said Miss Monroe complained of feeling ill Saturday but went on with her scenes.

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Chinese Refugees Arrive To Begin Life In America

SAN FRANCISCO (UPI)—Eighty-one Chinese intellectuals, refugees from Communist terror, were ready to start a new life in America today.

The engineers, teachers, scientists and businessmen, together with their families, arrived aboard a Pan American plane Sunday. Their trip was arranged by "Aid Refugee Chinese Intellectuals, Inc.," a private organization headed by Rep. Walter H. Judd (R-Minn.).

The group entered the country under a new immigration provision which permits certain classes of refugees to enter on resident visas. They will continue their professions in America.

Most of the group fled China when the Communists took over the nation, and have been living in Hong Kong as displaced persons.

The refugees were chosen by a committee of the Judd organization on the basis of their education and ability, as well as the degree of hardship suffered.

Dozens of relatives and friends were on hand at International Airport Sunday in a joyous reunion scene.

S.P. Soong, local Chinese consul, and K.S. Wang, representing the refugee aid group which brought the refugees to America, headed the reception committee.

John Filipp, secretary of Local 208 in Los Angeles, said only six of 3,000 members voted against the new contract. In Denver, two teamster locals were almost 100 per cent in favor.

The proposal was worked out by union and employer committees last week after a top-level meeting with Teamster President James R. Hoffa approved a formula for settling the dispute.

If both union and employers accept it, long-haul trucking is expected to resume again by Wednesday.

The dispute was touched off Aug. 11 when 2,350 teamsters in central California and western Nevada went on strike. Employers then ordered the 11-state lock-out. At least 20,000 truckers were idled.

Portugal is a small country, but it has nine colonies in other parts of the globe.

A Geneva court acquitted him. It ruled that the money had been thrown away and belonged to no one.

Over the weekend Italy's highest tribunal reversed the acquittal. It said money tossed into public fountains belongs to the municipalities concerned.

Three years ago police in Geneva caught a man taking coins out of the fountain in Piazza de Ferrari. He was charged with theft.

Truman's appearance, the symphony said, would fit in nicely with his trip here to address a Democratic Party rally Sept. 27.

As Dr. James Hart, the symphony's vice president, said in a letter to Truman:

"While you are in Portland we would count it a special privilege if our city could meet you, this time, in both of your major roles—as statesman and as pianist."

Truman, however, didn't play the piano when he helped the Kansas City Symphony raise \$30,000 at a recent concert.

The former president conducted the orchestra.

MILWAUKEE, Ore. (AP)—Mrs. Edwin Jasmer didn't have a home Saturday morning. But she had one Saturday night.

Mrs. Jasmer's home was destroyed several weeks ago by a fire that took the lives of her four youngest children.

It was the second tragedy in her life in less than a year. Last Christmas Eve her husband died of a heart attack.

After the fire here, real estate men, contractors, carpenters and merchants decided Mrs. Jasmer and her three remaining children needed a new home.

They gave her a lot, and poured the foundation for a house. Saturday, 30 carpenters began building it, and by Saturday night had it nearly finished.

In the next few weeks the inside work will be done—and then the merchants will furnish it completely.

SCENTING A CRIME CHARLOTTE, N.C. (AP)—Police may be able to follow their noses to a car stolen here, unless the thief cleans out the trunk. The owner, C. H. Hamer, had 19 pounds of cabbage and 10 pounds of onions in the trunk.

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Police Check Death Pistol

SPOKANE (AP)—Ballistic tests were to be made Monday on a weapon with which a man apparently killed himself Sunday to determine whether the gun also was used in a murder.

Discovery of the body of Nolan V. Barzee, 25, in his car parked on a county road near Deer Park ended an apparent love triangle that began with the accidental death of an attractive woman's husband.

Sheriff William Reilly said Barzee died from a bullet wound in his head. He said a .22 caliber revolver was found in the dead man's hand.

Barzee was being sought by police for questioning in connection with the shooting death of James Berglin, 33, Saturday night in front of the home of Mrs. Jean M. Gross at Spokane.

Both men, officers said, had been dating the 22-year-old mother of a six-week-old daughter.

Berglin was shot six times while getting some baby clothes from a car after he and Mrs. Gross had returned from a cafe. Police said there were no witnesses to the killing but neighbors reported they heard a car speed away after the shots were fired.

Mrs. Gross' husband, Charles F. Gross Jr., died several months ago when he plunged five stories

down an elevator shaft in a local garage. Barzee worked at the garage with Gross.

Detectives said friends and relatives told them that both Barzee and Berglin had asked Mrs. Gross to marry them but she had not given an answer.

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