

Scientists Study Moon Photos

Spaceship Answers Are Sought

PASADENA, Calif. (UPI) — Scientists today studied 7,500 Ranger 8 moon photos hoping to learn the answer to a \$240 million question: Can an American spaceship land safely on the moon by 1977?

Since Aug. 23, 1961, scientists at the California Institute of Technology's Jet Propulsion Laboratory (JPL) have sent eight of the tinker-toy-like Rangers hurtling toward the moon—at a cost of \$30 million each—in an effort to pry loose the secrets of the moon's surface.

Only Ranger 8 and its predecessor, Ranger 7, sent back television photographs of the lunar surface.

Ranger 7 transmitted 4,000 photographs last July 31. Historically, they were the first of the moon's bright side and provided scientists with useful information.

Slams Into Moon
Ranger 8, launched last Wednesday from Cape Kennedy, Fla., destroyed itself Saturday morning when it slammed into the moon's dusty "Sea of Tranquility."

But for 23 minutes before its death, Ranger 8 televised back to earth 7,500 "excellent" photographs of the lunar landscape to the delight of earth-bound scientists.

Six television cameras—two wide-angle and four normal—focused their beady eyes steadily as Ranger 8 hurtled toward the intended "bullseye" on the moon. It impacted on the lunar body within 15 miles of the "target" at 1:37:38.3 a.m. PST, (4:37:38.8 a.m. EST).

Ranger 9 has been scheduled to make a similar flight next month to seek additional information.

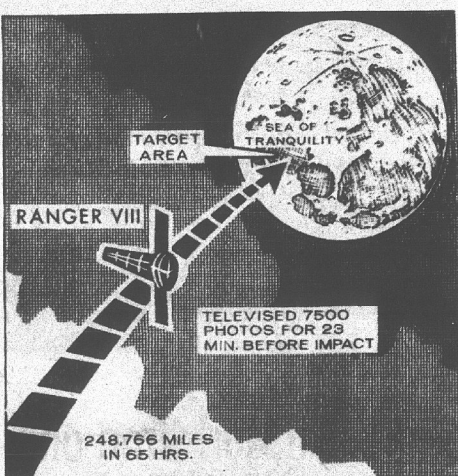
Until then, a team of five scientists, headed by Dr. Gerald Kulper, chief of the lunar and planetary section of the University of Arizona's department of astronomy, will analyze the huge pile of Ranger 8 moon pictures.

Surface Like Snow
Scientists reported that preliminary study of the Ranger 8 snapshots indicated the moon's surface may consist of frothy rock similar to crunchy snow. Such a surface could prove treacherous to astronauts because it might extend to a depth of 60 feet.

"We can expect that if this material is lava, it will be shot through with caverns and tunnels like those found in Hawaii," Kulper said.

"This could be very tricky and dangerous stuff," he added. "A man would take a step forward and the tunnel would give way."

Scientists felt that determination of when and where the first astronaut will land on the moon would have to depend on the projected Surveyor spacecraft, which will analyze more closely the moon's surface.



MOON SHOT SHOWN — Ranger 8 buried itself in the moon Saturday and left a priceless legacy of 7,500 "excellent quality" photographs. This map shows the path of the craft from its launch on earth. Ranger 8 transmitted photos back to earth for eight minutes before it crashed. — UPI Telephoto

President Johnson Urges Youth To Join In Great Society Program

WASHINGTON (UPI) — President Johnson today called on young Americans to advance the cause of freedom by sharing fully "in the responsibilities, the dangers and the passions of your time."

The President outlined the sacrifices and rewards of the Great Society in a speech prepared for delivery at ceremonies marking the 100th anniversary of the University of Kentucky at Lexington.

"The Great Society cannot be built by government alone, he declared. "It needs your sacrifice and effort."

Johnson told his audience at the university convocation that "we cannot and will not withdraw from this world. We are too rich, too powerful and too important. And we are too concerned."

The President was to fly from here to Lexington in a one stop trip to make the address and return to the White House tonight.

The President emphasized that he was not speaking of foreign policy, although our relations abroad presented "grave and immediate issues."

He said he was speaking of the challenges to Americans to live in domestic and foreign fields. "We care that men are hungry—not only in Appalachia, but in Asia and Africa," he asserted.

"We care that men are oppressed—not only in this country but wherever man is unjust to man."

"We care that men should govern themselves and shape their own destinies—not only in Kentucky but in every corner of every continent."

"We care for peace—not only for ourselves, but for every country torn by conflict."

Johnson warned young Americans they would inherit a world with the greatest danger, but also with "the most promising destiny in history."

"If you wish a sheltered and uneventful life, you are living in the wrong generation," he said. "For only those who dare to fail greatly, can achieve much."

He added that American youth "will find meaning only by sharing in the responsibilities, the dangers and the passions of your time."

Police Cite Muslims For Death

(Continued from Page 1)

"light-lipped suspect" who would tell them nothing — including whether he had any connection with the Muslims or another extremist group. An FBI fingerprint check identified Hagan as a man who had been arrested in Passaic, N.J., in November, 1963, for possession of a stolen automobile. He then used the name of Talmadge Hayer and gave his address as 247 Marshall St., Paterson, N.J.

Hagan, or Hayer, was charged with firing a blast at Malcolm from a double-barreled shotgun which had been sawed off at both ends.

Two other men in the Audubon auditorium, on the fringe of Harlem, were shot in the melee. Police, who launched a search, surrounded investigation, refused to elaborate on what their role in the assassination might have been.

The wounded men, in addition to Hagan, were identified as William Parker and William Harris. Parker was shot in the foot and Harris in the chest and abdomen.

Police charged Reuben Francis, 33, Malcolm X's secretary with felonious assault and weapons law violations for shooting Hagan as he attempted to flee the hall after Malcolm was killed. Hagan was hit in the leg and was taken to the Bellevue Hospital ward.

The sawed-off shotgun, a .45 automatic and a .38 pistol had been fired in the ballroom where Malcolm died, police said. He was killed by the shotgun blast and had been hit by other bullets, a preliminary autopsy reported.

Malcolm X, 39, who once was New York leader of the Black Muslims, died in the Chicago-based group and formed a rival Africa American supremacist organization. Malcolm said last week he was a marked man and his assassination came only eight days after his home in Queens was fire-bombed.

He held a news conference but did not favor changing the present formula for appointing revenues to counties and cities.

"The fundamental city and county government problem is finance," he said, "merely increasing their percentage of state money is not the answer."

He said he still wanted the legislature to approve his program of a 1-cent hike in gasoline taxes, \$3 increase in license fees, and \$10 million in bonds for added road construction.

He said the real way to meet the county problem was for the state to take over the roads. "The state has the staff to do this work. We need to relate the county road systems to the state system," he said.

Hatfield said reports on the collapse of the John Day bridge during the Christmas week floods would be released in about a week.

He said he did not believe activities should be included in the proposed corrections division now under consideration by the legislature.

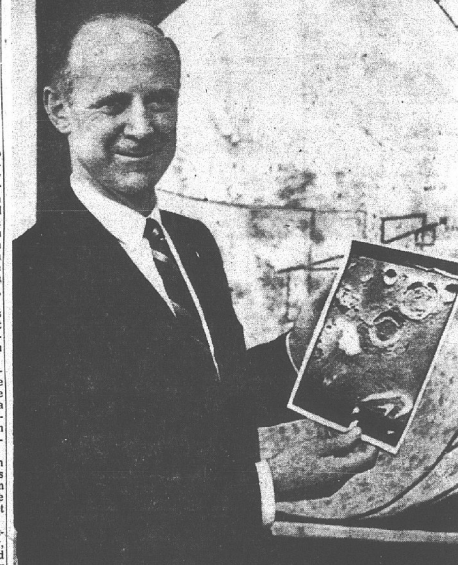
Hatfield said, however, that ultimately there should be a corrections department to which convicted persons would be referred for sentencing. He said when such a department was developed, he felt it should include parole activities.

He termed as "fundamental" to both types of corrections activities the authority to transfer inmates from one institution to another.

Livestock
PORTLAND (UPI) — (USDA) — Livestock: Cattle 1100. Steers few small lots high choice vealers 80-109 lb 2.50; others small lot mixed good choice 735-796 lb 21-25; utility cows 11-12.50; canner cows 10-12; bulls utility commercial 18-18.50; feeders good choice 600-900 lb steers 19-21.50; calves 150. Slaughter high good-choice vealers 30-31; utility standard 18-25; high choice feeder steers 23.

Hogs 450. Barrows and gets 1-2 grade 18.25; few 2-3 at 15-16; lows 1.2; and medium 12-14. Sheep 1.0. Slaughter lambs 40-head choice, low prime \$3 lb shorn 3 pels 21; few good-choice \$3 lb 2 pels 20.75.

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HAPPY SCIENTIST — Dr. William H. Pickering, director of Caltech's Jet Propulsion Laboratory, is shown with a large map of the moon, examining one of the 7,500 photographs transmitted back to earth by Ranger 8. "We hit within 15 miles of our target point," said Pickering. — UPI Telephoto

Phil Parsons Receives JC Award

Phil Parsons, Klamath County United Fund executive secretary, was named for the 1964 Distinguished Service Award given by the Klamath County Junior Chamber. President Ron Smith, before a large audience of Jaycees and guests.

Parsons was cited for numerous civic and community contributions, and for the appreciable increase in United Fund contributions during the three years he has served as executive secretary.

Parsons, a graduate of Oregon State University, came to Klamath Falls three years ago to accept his administrative position with the U.F. He is a member of the Klamath Falls Kiwanis Club, is chairman of the Vocational Guidance Council, served on the Mental Health Advisory Board, is William H-Y Adviser for Junior Boys, is organization chairman for the District Boy Scouts of America, chairman of the Governor's Committee on Children and Youth Corps Committee of Klamath County, president of the Klamath County Young Republicans, member of the Klamath County Chamber of Commerce National Affairs Committee, is a newly elected elder in Peace Memorial Presbyterian Church, is married and the father of three children.

Boos of the Year Award which went to John Holzgang, Pacific Power & Light Co. district Office Manager, was presented by Gas Garrigus, Bend Jaycees National Director.

Other citations went to John Johnson, an employee of PP&L, selected for the month of January for his work with the Jaycees kids wrestling program; to Bill Smith, selected for the December award for his efforts with the Jaycees Speak Up program; to a weekly breakfast table at the Winema Hotel; and to Ron Smith, Harold Bennett, Bill Barrett, Dick Resare and Lloyd Olson, who received Spark Plug Recognition. State Representative Robert Packwood, Portland, substituted for the scheduled speaker, State Rep. Robert Smith of Burns.

Blaze Kills Six Sheep

Four lambs and two ewes were killed Monday morning when fire destroyed a shed at 4783 Harlan Drive.

The shed belonged to James Heipman. Suburban firemen could not cause the 2:10 a.m. blaze has been determined.

Services Held
Funeral services for Mrs. Anna C. Belton of Medford, who died Saturday, Feb. 20, were held Monday, Feb. 22, at 1:30 p.m. in the Chapel of the Trees Cemetery.

Raymond Brand, pastor of Calvary Lutheran Church, Grants Pass, officiated.

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Police Probe Burglaries In Klamath

Klamath Falls police investigated a series of burglaries over the weekend, including one in which burglars were arrested inside the Mayfair Market at Shasta and Avalon.

Other burglaries were reported at the Sunrise Tavern, 127 East Main; Silver Hut restaurant, 1000 East Main, and Specialized Service, 1434 Main Street.

The Sunrise and Silver Hut burglaries are believed to be the work of the same thief or thieves.

Thieves Surprised
Two Mayfair Burglers, John Peterson and Jim Novak, told police they surprised three juveniles in the act of burglarizing the Mayfair Market at 2:46 a.m. Saturday.

They said they saw one person run from the store as they arrived to work at that hour and saw two more inside the building.

Police were called and they surrounded the building, but it was empty.

Young Burglars
Officers found the young burglar had entered the market by breaking a large window valued at \$230. They had filled shopping carts with items, but left them behind in their flight. Shaving cream and a pie were dumped on the store floor.

Items which the thieves were planning to take included champagne and clothing.

A patrolling policeman discovered the Sunrise Tavern burglary at 4:08 a.m. Monday. The policeman is believed to have scared off the burglar or burglars as an employee of the tavern had last been inside the building at 3:50 a.m.

Police said a window was broken to gain entry and an undetermined amount of change was taken from the coin box of a shuffleboard machine.

The Silver Hut burglary was reported at 4:30 a.m. Monday and entry was identical to the Sunrise job.

Police said the cigarette machine coin box was opened and an undetermined amount of change taken.

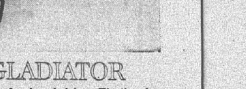
The Specialized Service burglary was reported Saturday morning.

The incident was entered via a roof window. Police said \$80 in cash and \$4 in stamps were taken from the office. In addition, a panel truck inside the Specialized garage was entered and \$72.57 in drug store sundries were taken.

PIONEERS NUMBERS
CHICAGO (UPI) — The University of Chicago pioneered the numbering of football players in a game against Wisconsin on Nov. 24, 1913.

YUBARI, Japan (UPI) — A gas explosion in a coal mine near here tonight triggered a cave-in and 59 miners were feared trapped. Rescue operations were underway.

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SURFACE OF MOON — This is one of the 7,500 photographs transmitted back to earth by Ranger 8 before it hit the moon's surface Saturday. The crater Delambre is shown in the center of the photo. It is 32 miles in diameter. — UPI Telephoto