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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.



TELL OF JOURNEY TO THE MOON—The Apollo 15 astronauts, left to right: Commander David Scott; Command Module Pilot Alfred M. Worden; and Lunar Module Pilot

James B. Irwin are shown at their news conference at the Manned Spacecraft Center in Houston, Tex. Scott explains the exploration to the visiting writers. —AP wirephoto

Scott Asks Canceled Shots Be Restored

SPACE CENTER, Houston (AP) — Apollo 15 commander David R. Scott, terming the moon a dynamic place has called for restoration of two canceled Apollo shots and eventual establishment of permanent science stations on the lunar surface.

Scott, James B. Irwin and Alfred M. Worden also told a news conference Thursday they had left in the gray dust of the moon a simple plaque and a tiny silver figure of a fallen man as a memorial to 14 who have died in the pursuit of space exploration.

"I believe we should explore the moon to a far greater extent than we are now," Scott said. "I think we should have a whole base of scientists up there, and I think we should have a rover that would carry six or eight men. I guarantee they'll never get tired of finding things. Anyplace you go there's a wealth of material, new and unusual scientific data," Scott said. "I think the moon is indeed a fascinating place. I hesitate to use the words barren and desolate. To us the moon was dynamic, beautiful and it should be restored up (Continued on Page 2-A, Col. 1)

Scott Asks Restoration

(Continued From Page One)

has character." He said that from lunar orbit they spotted scores of places that could be explored, and he said that the two canceled Apollo flights, 18 and 19, should be restored "right now."

The two flights were canceled because of a reduced space agency budget. The Apollo program now is to end with Apollos 16 and 17 next year.

Scott told of the memorial left at Hadley Base, in the moon valley where he and Irwin explored for three days.

"I think many people have contributed to the pinnacles we've reached ... and we know a great many individuals who have contributed all they have," Scott said. "And because of that we left a small memorial on the moon."

"About 20 feet north of the rover in a small subtle crater there is a simple plaque with 14 names," he said. "The names in alphabetical order are of all the astronauts and cosmonauts who have died in the pursuit of exploration of space. Near it is a

a small figure representing a fallen astronaut."

The white metal plaque bears the names of eight Americans and six Russians.

Four men have died during space flight, all Soviet cosmonauts. They were Vladimir Komarov, who died when his parachute fouled on re-entry in 1967, and the Soyuz 11 crew of George Dobrovolsky, Vladislav Volkov and Viktor Patsayev, killed when their craft sprung a pressure leak during re-entry last June 30.

The other Russians were Yuri A. Gagarin, the first man in space, killed in a plane crash in 1968, and Pavel Belyayev, the Voskhod 2 commander, who died following an operation in 1970.

The Americans were Virgil I. Grissom, Edward H. White and Roger B. Chaffee, the Apollo 1 crew killed in a spacecraft fire during a launch pad test in 1967; Theodore C. Freeman, Elton S. S. See Jr., Charles A. Bassett II and Clifton C. Williams, all killed in plane crashes, and Edward G. Givens Jr., killed in an auto crash.

Space Crew To Include Scientist

"SPACE CENTER, Houston (AP) — Dr. Harrison H. Schmitt will be named Friday as the first scientist-astronaut selected for an American space crew, the National Aeronautics and Space Administration confirmed Thursday night.

Sources earlier told The Associated Press that Schmitt, Eugene A. Cernan and Ronald E. Evans had been selected for Apollo 17, the last moon landing flight in the Apollo program.

A space agency spokesman confirmed the report and said the formal announcement of the three assignments would be made Friday morning.

As lunar module pilot, Schmitt will land on the moon with Navy Cmdr. Cernan, who has made two space flights. Evans, a Navy lieutenant commander, has not made a space flight.

Apollo 17 is scheduled for launching in December, 1972. The landing site has not been picked.

Apollo 16 is set to explore the area near the crater Descartes next March. The crew for that flight, named earlier, will be Navy Cmdr. John W. Young, Air Force Maj. Charles M. Duke Jr. and Navy Lt. Cmdr. Thomas K. Mattingly.

Schmitt, a Harvard-trained geologist, will be the first "non-pilot" astronaut assigned to a space mission.

He was one of a group of astronauts selected for scientific background and not flying skill. The Space Agency taught him to fly after he was named an astronaut and the geologist is now a qualified jet pilot with about 1,000 hours of flight experience.

Dr. Schmitt is a 36-year-old bachelor and a native of Santa Rita, N.M. His widowed mother, Mrs. Harrison A. Schmitt, lives in Silver City, N.M.

Cernan will be making his second flight to the moon, but his first landing there. The 39-year-old astronaut was lunar module pilot on Apollo 10 in 1969. Cernan dipped to within 10 miles of the surface in a final dress rehearsal before Apollo 11, man's first moon landing two months later.

Cernan also flew on the earth orbit Gemini 9 mission in 1966. During the three-day flight he spent more than two hours conducting a space walk.

Evans, 37, is a native of St. Francis, Kan. He served two tours of duty in Vietnam, flying off aircraft carriers in attack et aircraft.

The scientific community has pressed NASA for some time to send a scientist-geologist to the moon. Schmitt has been the only scientist presently working in the Apollo program the last year or so, and was backup lunar module pilot for the recently completed Apollo 15 flight.

The other 12 scientist-astronauts in the astronaut corps have been working mostly on the Skylab Program, a small space station project to follow Apollo.

By Zdeněk Kopal

MOON
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Photographic Atlas
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Natural Science Book News
November 1971



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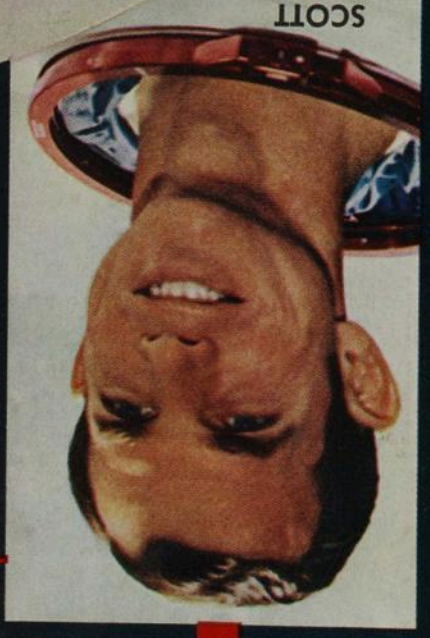
Apollo 15: The Most Perilous Journey



WORDEN



IRWIN



SCOTT

TIME

AUGUST 9, 1971

SPECIAL OFFER 35¢

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Kremlin wall mourning her father's death, he sat down and wrote his own longhand condolences: "Like your father I also have two daughters and their hearts go out to you as do Mrs. Nixon's and mine. But I know your father would want you to face his loss with a strength and courage to match his own. As your sister Natasha grows older I know you will help her understand how very proud of her father you both should be."

TIME, AUGUST 9, 1971

A daughter consoled.

MARIA DOBROVOLSKY



TASS—AP

When President Nixon saw a newspaper photo of Soviet Cosmonaut Georgy Dobrovolsky's daughter Maria at the

Although Sigmund Freud conceived his theories of psychoanalysis in Vienna and founded his movement there, the city still has few Freudian analysts. So last week, when the International Psycho-Analytical Association convened its biennial congress in Vienna for the first time, there was little more than a corporal's guard of 26 resident analysts to greet the more

TIME, AUGUST 9, 1971

ANNA FREUD
"Who if not we?"



VOTAVAFOTO

But nothing had really been settled. Psychoanalysis, which has survived two great schisms provoked by Jung and Adler, seemed headed for a new and challenging schism.

APOLLO 15 — Apollo 15 is shown splashing down in the Pacific. The crew are now safely home in Houston.



Can Man Harvest Gravity? Is Next Moon Question

SPACE CENTER, Houston (AP)—Can man harvest gravity and create an unlimited source of pollution-free energy for the machines of the future?
Does ice, which could fuel and heat a permanent base on the moon, lie trapped deep below the surface of that cold, barren world?

Answers to these questions will be sought before the U.S. lunar missions end in December 1972 with the flight of Apollo 17.
"It was a fantastically successful mission," said Dale Myers, NASA associate administrator, after the Apollo 15 command module splashed down in the Pacific on Saturday, bringing back ancient geological treasures from Hadley Basin.

Apollo 15 gave us a dramatic expansion of scientific results. It was the broadest geological survey ever made by man in a short period of time." The experiments will be largely duplicated in the Apollo 16 mission, to be flown by astronauts John W. Young and Thomas K. Mattingly and Charles M. Duke to the Des-

Basin. "If gravity waves are found to exist," said William O'Bryant, deputy director of Apollo lunar exploration, "the discovery could win a Nobel prize. It's that important." Physicists know that matter exists as both particles and waves. Gravity is a force field just like electricity and Albert Einstein advanced a theory that there are gravity waves, just as there are radio waves and light waves.

Working with accelerometers attached to suspended masses of metal, Weber believes that he has read gravity waves and many scientists agree with him. But the experiments have been complicated by interference from background noises on earth. In the perfect quiet of the moon's airless environment, results can be more clearly defined.

Believe it Moves
Some scientists think that if gravity moves in waves, there may be particles called gravitons. And since there is antimatter such as antiprotons and antineutrons, there might be antigravitons that might some day be harnessed to create an antigravity or zero G atmosphere.

"Man is committed to finding an antigravity machine," said one member of the team working with the gravity wave experiment. "It would be potentially an unlimited source of pollution-free energy." Such a finding could lead also to manufacture of purer metals, alloys and plastics because there would be no settling of materials hanging in suspension. Experiments in such manufacturing will be carried out in the zero G atmosphere of the Skylab space station.

Other additions to the Apollo 17 mission will be lunar sounders operating on the surface and from orbit. Both can probe more than a mile below the moon's surface.
"Hopefully, if there are any ice layers there, they would be able to see them," O'Bryant said.
Before Apollo 11, some scientists thought the moon's rilles, or canyons, were cut by flowing water. But studies of rocks returned by Apollo 11, 12 and 14 indicated this theory was false and the presence of subterranean ice is becoming "less and less a possibility," O'Bryant said.
First measurements from a thermal probe driven eight feet into the moon's surface by the Apollo 15 explorers showed the temperature at that depth to be minus 86 degrees Fahrenheit

GETTING THEIR SWEET CUT—The Apollo 15 astronauts James B. Irwin, Alfred M. Worden and David R. Scott, left to right, all Air Force men, use a Navy sword to cut a huge cake during ceremonies on the hangar deck of the recovery ship USS Okinawa in the Pacific. The cake is decorated with a replica of the Okinawa and the Apollo command module. At left of flag is Capt. Andrew Huff, skipper of the ship.



Apollo 15's

(Continued From Page One)

Kennedy to Houston and we have seen some rather interesting things on the way."

"Good Condition"

A space agency doctor said all three astronauts were in good condition.

The trio went through a four-hour medical examination aboard ship just after splash-down Saturday.

Dr. Clarence Jernigan, the space agency physician, said they lost from one to five pounds of weight each, even though they ate almost all the food packed aboard their spacecraft.

"It's just impossible to gain weight in space," Jernigan quoted Scott as saying.

"Our preliminary laboratory data shows that everything is normal," said Jernigan. "The guys are in real good spirits."

Endeavour, the Apollo 15 command ship, was brought aboard the Okinawa a few hours after splashdown. The heat shield on the blunt end of the cone-shaped craft was scorched from the fiery passage through the earth's atmosphere, but otherwise, officials said, it was in good shape.

Space agency engineers still had no explanation for why one of the spacecraft's three parachutes collapsed as Endeavour floated toward the water. The craft impacted the water a little faster than it would with three normal chutes, officials said, but it was designed so it could operate with only two parachutes and the collapsed chute cause no problems.

Congressmen Aboard

Several congressmen aboard the Okinawa witnessed the return to earth of Endeavour and praised the moon mission and the precision of the recovery operation.

"Superb, absolutely superb," said Rep. Charles A. Mosher, R-Ohio.

"The timing was right on the money," said Rep. Richard T. Hanna, D-Calif. "It's just incredible how time after time such proficiency was shown."

Rep. J. Edward Roush, D-Ind., said Apollo 15 shows "it's time we start dreaming a bit about the future. We should start thinking in terms of exploration beyond what seems to be the limit of our Apollo program."

A Soviet trawler and research vessel shadowed the Okinawa during much of the recovery operation, but Okinawa skipper Capt. Andre W. Huff said the Russian craft showed the "sea manners of a complete gentleman."

When Apollo 15 splashed down, the Soviet vessel flashed a message asking "What is the condition of astronauts?"

"Excellent"

The Okinawa replied that their condition was "excellent"

Later the Soviets messaged, "We congratulate your fearless cosmonauts on their successful return."

A final message read, "We hope you have a good way home."

The messages were exchanged in English using Morse code and conventional blinker lights.

Two boxes of lunar samples were flown to Ellington AFB and were taken to the Manned Spacecraft Center and stored in the Lunar Receiving Laboratory.

Officials said the rocks, gathered during Scott and Irwin's first and third moon surface explorations, weighed a total of about 75 pounds. They said the boxes will be opened on Monday or Tuesday.

The rest of the samples arrive at the space center with the astronauts.

Cut Large Cake

Scott, Irwin and Worden cut a large cake on board the Okinawa late Saturday. They also had dessert with the ship's officers.

The astronauts earlier had filet mignon, salad and potatoes for their first meal on earth in 12 days.

Scott later displayed to the ship's crew one of the largest pieces of lunar rock ever brought to earth.

Raising the plastic-wrapped rock in his right hand, Scott told the sailors the rock and others aboard the ship may be older than anything on earth.

"You people on this ship have participated in one of the greatest scientific endeavors ever carried out," said the moon mission commander. "You may have taken part in a discovery of how the solar system was formed."

No Quarantine

Unlike the three previous moon landing crews, the Apollo 15 astronauts face no post-mission quarantine. The isolation program was discontinued after Apollo 14 because scientists could find no evidence of moon visitors bringing to earth any lunar germs.

The astronauts do face days of debriefings for scientists and engineers. They will discuss every phase of the mission with experts.

Scientists are particularly anxious to talk to Scott and Irwin about the geological formations the spacemen saw while they explored a moon mountain valley and drove a lunar car along a deep canyon called Hadley Rille.

The astronauts will have a news conference at the Manned Spacecraft Center on Thursday.

Timetable For Apollo Is Given

SPACE CENTER, Houston (UPI)—The Apollo 15 timetable (All times EDT and subject to change).

Friday 7:19 a.m.—Astronauts awake.

10:22 a.m.—Astronauts televise view of the landing site as seen from lunar orbit. Show lasts 14 minutes.

11:24 a.m.—Irwin transfers to the lunar module. Scott follows in 15 minutes to prepare for the moon landing.

1:48 p.m.—Lunar module separates from the command ship.

3:10 p.m.—Command ship piloted by Worden raises orbit to 63-74 miles high with a 3.9-second firing from its main engine. The craft is completing its 12th orbit of the moon at the time.

6:03 p.m.—Lunar module fires main landing engine to begin its descent toward the moon.

6:15 p.m.—Astronauts Scott and Irwin land on the moon.

7:38 p.m.—Lunar module top hatch opened and Scott stands up to begin 30-minute landing site surveillance.

8:14 p.m.—Scott lowers himself into the cabin and hatch is closed five minutes later.

10:29 p.m.—Scott and Irwin begin 7½-hour rest period.

Saturday 1:16 a.m.—Worden begins seven-hour rest period in lunar orbit.

5:59 a.m.—Rest period ends for Scott and Irwin.

8:16 a.m.—Rest period ends for Worden.

9:24 a.m.—Lunar module depressurized and hatch opened to start first moonwalk. Scott steps on lunar surface 15 minutes later, followed by Irwin at 9:48 a.m. Moon surface telecast starts at 9:34 a.m.

4:14 p.m.—Astronauts return to their spacecraft, repressurize it at 4:24 p.m.

7:39 p.m.—Scott and Irwin begin seven hour, 50-minute rest period.

10:43 p.m.—Worden begins seven-hour rest period.

Apollo 15 Rates Highest in Cost

WASHINGTON (AP) — The Apollo 15 space trip is the costliest yet U.S. voyage to the moon's surface, both in total expenditures and average estimated taxpayers cost.

National Aeronautics and Space Administration figures on the cost of the current moon venture and an estimate of the number of persons who will pay taxes for 1971 show the Apollo 15 \$445 million voyage will mean about \$4.20 from the pocket of the average taxpayer.

Cost and taxpayer estimates of the other voyages: Apollo 11, July, 1969—\$355 million and \$3.60 per taxpayer. Apollo 12, November, 1969—\$375 million and \$3.80. Apollo 13, April, 1970—\$375 million and \$3.60. Apollo 14, January, 1971—\$400 million and \$3.90.

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(UPI)
SPACE
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Timetable
For
Apollo

22-Mile Lunar Jaunt Due

For Most Expensive Car

CAPE KENNEDY, Fla. (AP)—The Apollo 15 astronauts call it a "moon dune buggy." At \$8 million, it is the most expensive car ever built. And it will be cast aside after being driven only

22 miles.

This is the jeep-like lunar rover vehicle which astronauts David R. Scott and James B. Irwin are to drive on the moon for three days. It will enable them to make the most extensive lunar exploration yet—covering 28 square miles, roughly the size of the island of Manhattan. Apollo 15 is scheduled to be launched from here Monday. If all goes well, Scott and Irwin

22-Mile Lunar Jaunt Due

(Continued From Page One)

This is more than twice its own weight in the moon's one-sixth gravity field. In comparison, the average family automobile can carry only about half its weight.

The vehicle is powered by two 36-volt silver-zinc batteries, enough for 78 hours' operation. The astronauts plan less than 20 hours' driving time during their 67 hours on the moon.

The rover is designed to travel at a maximum speed of 10 miles per hour on the moon, but the astronauts plan to average only about eight miles because it is felt that at faster speeds the vehicle will tend to lift a few inches off the surface in the reduced gravity field.

The runabout is designed to negotiate, from a standing start, 28-inch crevasses, and it can climb and descend slopes as steep as 20 degrees. Each wheel is independently powered by an electric motor.

Scott plans to do most of the driving from his left-hand seat, using a hand control somewhat like an airplane "joystick." However, Irwin can steer the craft if necessary from his right-hand seat.

The astronauts will navigate the rover with a dead-reckoning navigation system which will tell them direction and distance to the lunar module at any point during a trip and will report the total distance traveled at any point. The navigation system includes a directional gyroscope unit, a small computer and display units on the vehicle.

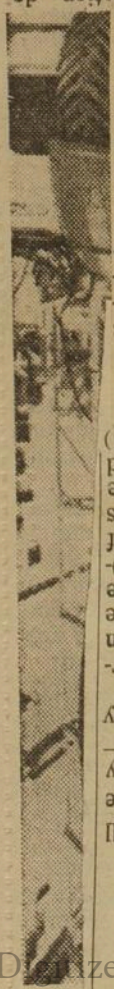
"If we ever get lost," Scott said, "we can always follow the tracks of the rover in the lunar dust back to the lunar module."

Earlier moon explorers communicated with earth through a communications relay system in the lunar module. But at times Scott and Irwin will not have their landing craft in sight. So they'll communicate through a system mounted on their rover.

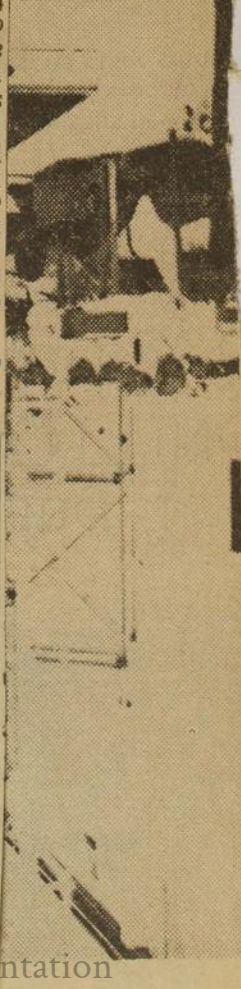
The vehicle weighs 480 pounds, is 10 feet, 2 inches long, 6 feet wide and has a 7½-foot wheelbase. It will carry 1,064 pounds, including the two astronauts and their life support equipment—400 pounds for each man—130 pounds of scientific experiments and more than 100 pounds of rocks and soil samples.

Classified Ads get quick results.

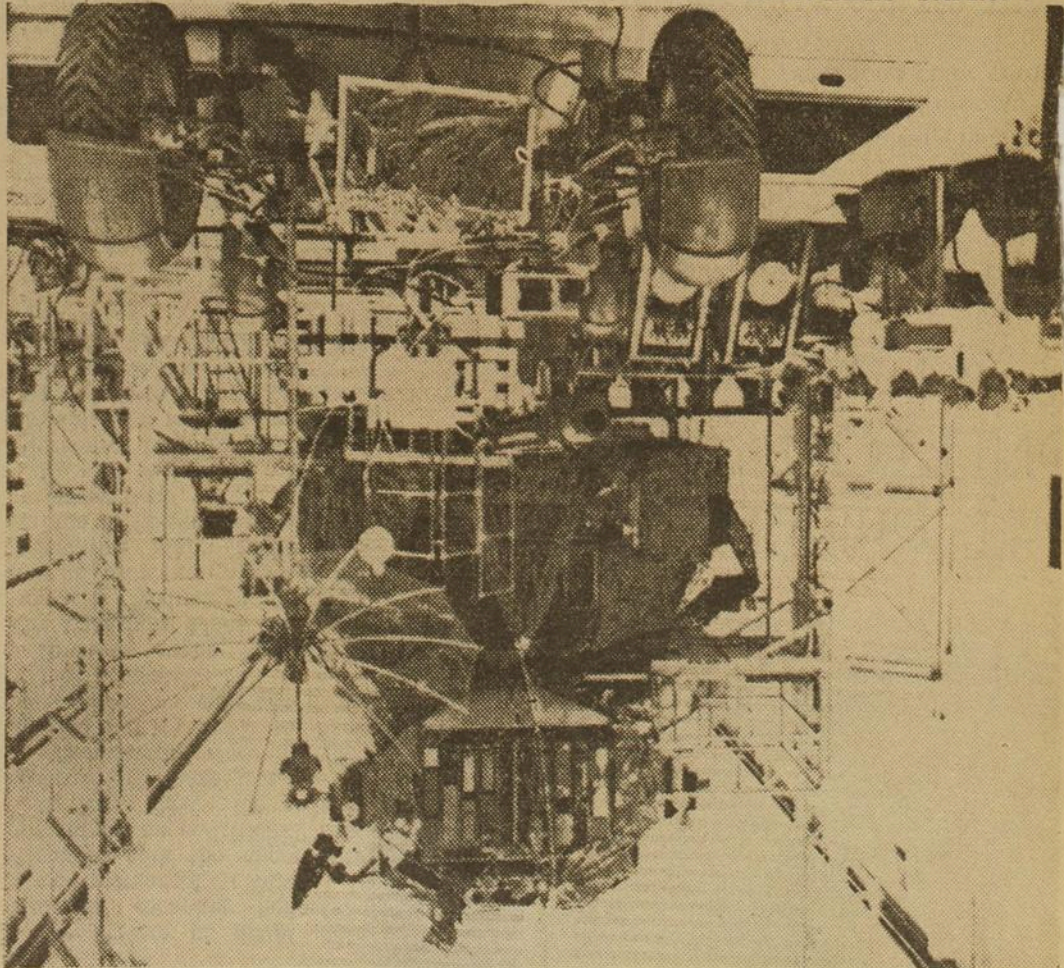
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check the Apollo 15
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LANDING SIMULATION — Technicians check the Apollo 15 lunar rover vehicle, foreground, and lunar module during a simulation test at Kennedy Space Center, Cape Kennedy, Fla. Astronauts David R. Scott, commander, and James B. Irwin, lunar module pilot, took part in the simulation, designed to prepare them for the actual mission where they will use the lunar rover to cover a large area of the moon for exploration and sample collection. —AP wirephoto



Timetable

For Apollo

Is Given

SPACE CENTER, Houston (AP) — The Apollo 15 timetable, all times Eastern Day-

light: ~~WEDNESDAY~~

5:00 a.m.—Astronauts David

R. Scott, James B. Irwin, and

Alfred M. Worden end eight-

hour rest period and start final

day of lunar orbit observations.

3:00 p.m.—Endeavour's lunar

orbit is adjusted to 85 by 63

miles above the moon by three-

second firing of rocket thrust-

ers.

4:10 p.m.—Worden releases

from the Endeavour's service

module a small subsatellite

which will enter lunar orbit and

transmit scientific information

to earth about a year.

5:20 p.m.—Apollo 15's main

rocket engine is fired for more

than two minutes to take the

Endeavour out of the grasp of

lunar gravity and place it on a

course toward a Saturday

splashdown in the Pacific.

9:34 p.m.—Start of eight-hour

homeward voyage rest period.

THURSDAY

5:34 a.m.—End of rest period.

8:22 a.m.—Possible one-sec-

ond engine firing to correct

path toward earth.

11:29 a.m.—Endeavour hatch

is opened for start of one-hour

space walk by Worden to re-

trieve from the service module

film from a 24-inch panoramic

camera and a 3-inch mapping

camera used during scientific

experiments conducted while

Scott and Irwin were on the lu-

nar surface.

11:41 a.m.—Start of 30-minute a

telecast of the space walk.

12:29 p.m.—Closing of the is

hatch at end of space walk.

10:04 p.m.—Start of nine-hour fi

rest period.

Aug. 4, 1974

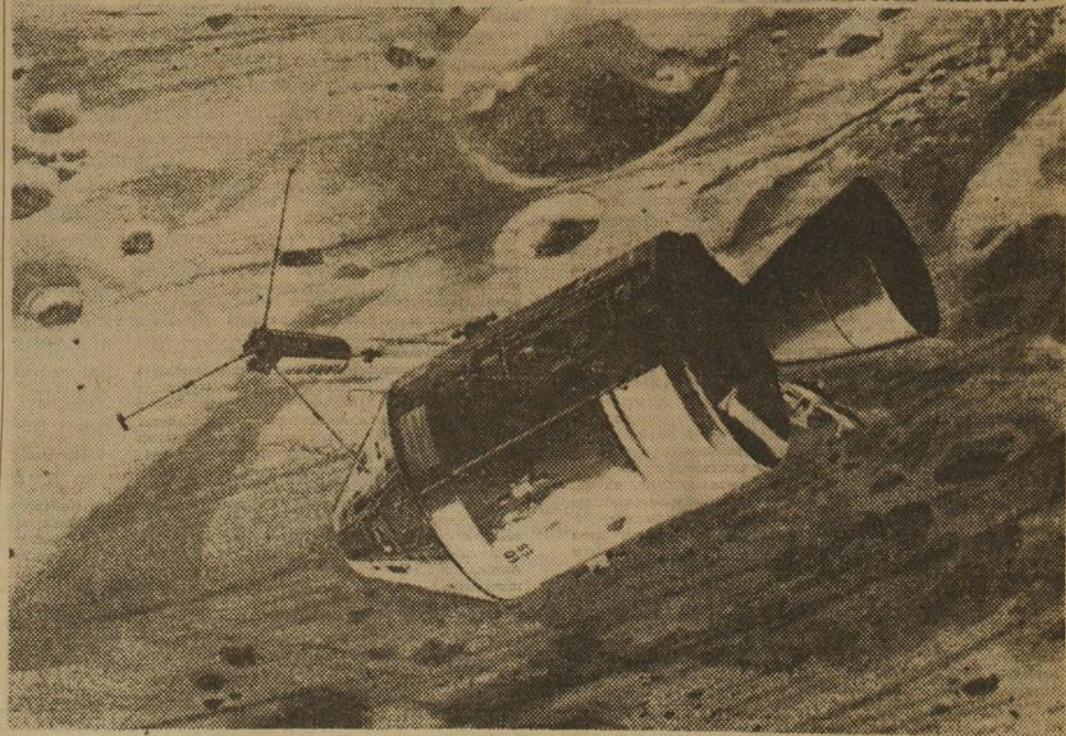
GOOD MORNING
 Even a new month hasn't
 helped to break this
 monsoon patter
 again.

MORNING AD

47th Year, No. 35

Entered Second Class Matter, La.
 Post Office, Baton Rouge, La.

Baton Rouge, La., Wednesday Morning, Aug. 4, 1971



**ARTIST'S CONCEPTION OF SUBSATEL-
 LITE LAUNCH**—This is an artist's concep-
 tion of Apollo 15 command ship launching a
 subsatellite which is scheduled to take place
 Wednesday. The subsatellite will remain in
 lunar orbit for about one year, gathering
 information on the moon and its environ-
 ment. This illustration is from North Ameri-
 can Rockwell's Space Division.
 —AP wirephoto

Scientific Projects Occupy Space Trio

SPACE CENTER, Houston (AP)—The Apollo 15 astronaut circled the moon Tuesday charting its place in the family of the sun and snapping pictures of the moon's newest crater created by the crash landing of the lunar landing ship Falcon.

David R. Scott, James B. Irwin and Alfred M. Worden turned their high resolution panoramic camera on the spot where Falcon impacted Monday night. They'll bring the photos home with them.

Concentrating on scientific experiments in their last full day of orbiting the moon, they counted flashes in their blind-folded eyes to measure the frequency of cosmic rays.

It was another long, hard day and Scott sounded somewhat testy in conversations with Mission Control before they settled down to sleep.

When astronaut Bob Parker, the capsule communicator, suggested that Worden wear a lightweight headset so that he could be awakened on schedule without disturbing the others, Scott argued:

"No, I don't think that's practical, Bob. We can't have one person awake in here and the other two sleeping. Just can't do it." Worden is scheduled to awaken a half hour earlier than the others.

"Okay, understand," Parker replied. "And to avoid what we (Continued on Page 6-A, Col. 1)

Administration Concerned

Over Congress' Slow Pace

WASHINGTON (AP)—The White House expressed concern Tuesday over what it said is Congress' leisurely pace on President Nixon's priority domestic legislation and the possibility of

Winter Wins Over Two Opponents

JACKSON, Miss. (AP)—

Former State Treasurer William Winter overwhelmed two opponents Tuesday might to sweep to a first primary victory in Democratic balloting for lieutenant governor.

The 48-year-old Jackson attorney, who lost to Gov. John Bell Williams in the Democratic runoff for governor in 1967, led two opponents by leads ranging up to 2 to 1.

With 446 of the 2,046 precincts reporting, Winter had 89,236 votes to 43,046 for Dist. Atty. Cliff Finch of Batesville and 7,785 for attorney Elmore Graves of Jackson. It was the first statewide race for both Finch and Graves.

There were only seven other state-level races on the ticket and none was close. Five of them were two-way races and the leaders had whopping leads

Prison Doors

Swing Open; Debtors Free

LONDON (AP) — The ghost of Charles Dickens was abroad in Britain's jails Tuesday as cell doors swung open to free prisoners incarcerated for debt.

More than a century after the Victorian novelist began his campaign to stop the wholesale jailing of unfortunates who run out of their creditors, legislators have brought some debtors out from behind bars.

People who incur commercial debt—not keeping up with installment plan purchases on the car or failing to pay the tax—will no longer face imprisonment. Instead, the money will be deducted from their wages.

Already more than 100 have been released. It is only a partial victory in the battle Dickens started because of the squalor and despair of the 19th century jails, where debtors owing only a few shillings were thrown into cells alongside murderers, drunks and thieves.

The courts will still be allowed to commit to prison anyone failing to pay maintenance taxes, city rates, social security contributions or fines.

The new laws will keep about 700 people a year out of Britain's overcrowded jails, where prisoners are often lodged three to a cell. But they do not cover about 2,500 other debtors imprisoned each year, half of them for owing less than \$48.

What swung the government behind the campaign for reformation hopes that the talk MacGregor said the administration hopes that the talk about a mid-October adjournment is aimed at expediting consideration of major legislative proposals in committee

and not a serious design to hold up consideration. "great urgency" also to passage of the draft extension bill. He said the administration "would be concerned" if Congress did not act on it this week before taking its scheduled month-long recess.

That measure, however, has hit a legislative snag in the House that apparently will delay action on passage until Congress ends the recess, Sept. 8.

C. Sullivan

(Continued From Page One)

precincts reporting, the vote was: Sullivan 53,077, Waller 29,916, Swan 15,368, Ed Pittman 6,063, Roy Adams 4,257, Andrew Sullivan 3,355 and Marshall Perry 2,010.

Evers advised black voters to back Swan in the primary on grounds Evers would have a better chance against Swan than against any other white.

However, some blacks said privately they believed most Negroes regarded the advice as a



Scientific Projects Occupy

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(Continued From Page One)
had last night with all those last minute calls, why don't you guys give us finals calls just before you're ready to go to sleep and then we won't have to be calling back tonight." "Oh, that's a good idea!" Joseph Allen in Mission Control came concern for a core sample taken by Scott and Irwin from Hadley Base in the three days on the moon that ended Monday. The two record-holding lunar explorers had trouble wrenching the sample from the reluctant moon. Did they have it now in the command ship?

"Joe, we wouldn't lose sight of that for all the tea in China. That's No. 1 priority," Scott said. "As a matter of fact Joe we made a good thorough search of the LM-Falcon—before we let it go. We went top to bottom to make sure we got everything we brought off the surface. And I'm pretty sure we cleaned up the surface." "Okay Dave, that's good news."

Cosmic rays constantly bombard their craft as it darts through space. Irwin told Mission Control about a small experiment of his own the last night on the moon. He was laying on his back in the lunar lander and the cosmic ray flashes were coming fast and furious. So he turned over on his stomach, his face to the lunar surface and they slowed down to next to nothing. There were no conclusions at present about his finding.

Wednesday afternoon they fire their engines again to be splashed down in the Pacific about 4:46 p.m. EDT Saturday. The three pilots, "in great shape" after a brief scare the night before, awakened fresh and cheerful Tuesday.

They set about the day's tasks, housekeeping the command ship and monitoring the load of scientific instruments that are sampling the moon's

report from the moon's missions. Scott said to Allen who took their reports from the moon "Jim and I want to thank you Joe. It was a super fine job."

Allen hesitated a moment and came back, "It was you two who did a real fine job." To back that up he told them that the preliminary geology report from a scientific panel based on their reports was more complete than the 90-day report after other Apollo moon

Draft Bill Is Passed By House

WASHINGTON (AP)—The House passed a bill Wednesday extending the draft for two years and urging President Nixon to negotiate for a final date for U.S. but pulled from the Senate. Sen. John C. Stennis, D-Miss., chairman of the Armed Services Committee, said it will be brought up for Senate action after the Aug. 6-Sept. 8 congressional recess.

Stennis said he thinks the bill will have "a great deal of trouble" in the Senate despite the fact the Senate's anti-draft provision was widely expected to be struck from the bill.

The bill, bearing a \$2.4 billion price tag, is scheduled to be passed by the House.

Space Walk Stated Today

SPACE CENTER, Houston (AP)—The Apollo 15 astronauts and senior American and Military Region around Saigon and U.S. forces in the area today, said Maj. Curtis W. Tarr, not expected to be on hand to greet the lunar module.

See who can build up and be the strongest first," said Maj. Tarr.

It's a race against time to get the lunar module ready for the space walk. The lunar module will be launched for the space walk on Tuesday.

Apollo 15 mission. An unobtrusive other links conception of how astronaut Al Worden, left, is scheduled to perform his space walk from near James Irwin, right, is slated to be on the lunar surface during the space walk.

Councilman Asks Ruling On Dilemma

By DICK WRIGHT

Clemmons is Sheriff Bryan Ocean spashoon looked back at the proposal, that was Mr. Maribus, 71, chief spokesman for the Citizens' Committee to Stop the Draft.

"This is a rich man's committee," declared Sen. James Scott, James B. Irwin and Al Worden fired a powerful rocket engine and started a 250-mile journey to the moon at more than 5,700 miles per hour.

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Reaction to Nixon's Bus Stand Cited

By TED SIMMONS

Associated Press Writer

President Nixon's announcement that he would not use federal funds to place the district in a "financial drain," the Little Rock school system, which may be forced to bus as many as 7,000 pupils this fall, said the announcement will place the district in a "financial drain."

And a spokesman for the Little Rock school system said Wednesday.

Meekening Board of Education chairman of the Charlevoix County Board of Education, who said Wednesday.

Mother Becomes Millionaire in Jersey Lottery

Jack Benny gave away \$1 million, she should have started earlier.

"I eat all the things I'm not supposed to," he said.

The mother Tricia served in the Cox's fifty-floor penthouse apartment on Lexington Street in New York City.

She had been married for 20 years.

The mother Tricia served in the Cox's fifty-floor penthouse apartment on Lexington Street in New York City.

Studies Show Diets Don't Pose Dangers

NEW YORK (AP)—Five diet trials aimed at lowering blood cholesterol levels offer reassurance that the potential health benefits of these diets won't be outweighed by any unidentified hazards, scientists report.

One of the studies, reported earlier, had tentatively raised the possibility that a diet high in polyunsaturated fats might increase the risk of developing cancer.

The new analysis was made of trials in Oslo, London, Helsinki, Los Angeles and Baltimore, Md.

Is in Forecast Temperature Continued Mild

Temperatures continue somewhat milder in Baton Rouge and the area, but shower possibilities just continue.

Thursday's high will be near 70 degrees, while the low will be in the 50s.

Temperatures continue somewhat milder in Baton Rouge and the area, but shower possibilities just continue.

Visits N.Y.

NEW YORK (AP)—President Nixon got a standing ovation Wednesday night from the largest audience in Washington, D.C., as he visited the city.

Nixon was accompanied by his wife, Pat, and daughter and son-in-law, Tricia and Edward F. Cox.

The President and Mrs. Nixon were in New York City for a two-day visit.

Prisoner of War Release

WASHINGTON (AP)—A group of 100 prisoners of war from Vietnam were released Wednesday.

The prisoners were held in North Vietnam and were being held in North Vietnam.

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Move Cited

SAIGON (AP)—Three North Vietnamese divisions were re-located Wednesday.

The divisions were re-located from their current positions to new positions in the area.

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Senate Votes Candidate Money Limit

WASHINGTON (AP)—The Senate voted Wednesday to limit the amount of money that can be spent on a presidential campaign.

The limit is set at \$25,000 for each candidate.

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Official statements on \$30 million in public improvement bonds the city-parish council is authorized to issue.

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Buildup North Viet

WASHINGTON (AP)—The nearly two million young men turning age 19 this year will get their draft numbers Thursday and so have some idea of what their chances are of being drafted next year.

In this third year of the lottery system, birthdates are being drawn in a random order.

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NEWLAYS ONSASSI'S DAUGHTER AND HUSBAND

NEWLAYS ONSASSI'S daughter, Christina, 20, and her husband, Joseph, 21, were arrested Wednesday for allegedly participating in a protest.

The couple was arrested at a public demonstration in the city.

The couple was arrested at a public demonstration in the city.

Pair Meled Sentences

WASHINGTON (AP)—A federal judge sentenced two men to prison for their roles in a protest.

The men were found guilty of participating in a violent demonstration.

The men were found guilty of participating in a violent demonstration.

On Ky's Candidacy Viet Court to Rule

SAIGON (AP)—Vice President Nguyen Cao Ky rested the fate of his presidential bid with South Vietnam's Supreme Court Wednesday.

The court will decide whether Ky is eligible to run for president.

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Laid Says Role Ending, U.S. Combat

WASHINGTON (AP)—Secretary of Defense Melvin Laird said Wednesday that the U.S. will end its combat role in Vietnam.

Laird's statement was a significant shift in U.S. policy.

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Auto Pollution Law Due N.J. Hearings

TRENTON, N.J. (AP)—A state environmental protection agency proposed that it would make New Jersey's auto pollution regulations the nation's toughest comes up Monday for public hearings.

The regulations would require annual inspections of the exhaust systems of all motor vehicles registered in New Jersey.

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Of Local Family Rites Planned For 3 Members

Funeral services will be held for three members of a local family.

The services will be held at a local funeral home.

The services will be held at a local funeral home.

Members Are Arrested

NEW ORLEANS (UPI)—A group of three members of a local organization were arrested.

The members were arrested for participating in a protest.

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Levee Board Members

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Lockheed Loan Barely Passes

WASHINGTON (AP)—In a dramatic 49 to 46 vote, the Senate Monday approved \$250 million in federal loan guarantees for Lockheed Aircraft Corp., assuring the company of the cash it says it needs to avoid bankruptcy.

The House last Friday, 192 to 189, and now goes to the Senate for a final vote.

The bill was passed in measure "provides no federal loan guarantee for a loan sought by Lockheed Aircraft Corp.," which will be made entirely through private institutions.

Sen. J. Eastland, chairman of the Senate Banking and Finance Committee, said the bill would "enable Lockheed to continue to produce the aircraft which are essential to the national defense."

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Reds Hold Surprise Summit

MOSCOW (AP)—With Red leaders in the Soviet Union holding a surprise summit in the city of Leningrad, the Soviet government announced Monday that it had agreed to a new pact with the United States.

The pact, which was signed in Leningrad, provides for a 10-year extension of the arms control agreement between the two nations.

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Steel Prices Climb Following Settlement

PITTSBURGH (AP)—U.S. Steel, the industry pacemaker, announced Monday a price hike averaging 8 per cent on virtually all its products, and other companies followed suit.

The U.S. Steel price increase was announced Monday, and other companies followed suit.

Remap Suits Halted For Ruling on Bias

U.S. Dist. Judge E. Gordon West Monday halted all proceedings in four suits challenging Louisiana's reapportionment plan until U.S. Atty. Gen. John Mitchell filed a report on the plan.

West said, adding that "it is simply not the function of the court to pass on the merits of the plan."

Cleanliness Facilities Are Started

Humble Oil and Refining Co. announced Monday that it had started a program to improve the cleanliness of its refineries.

The program includes the installation of new air filtration systems and the use of more efficient cleaning methods.



Pact Ends Rail Strike

WASHINGTON (UPI)—The 12-day mission for a pact to end the rail strike was completed Monday as the U.S. Steel and the railroad industry agreed to a new agreement.

The pact provides for a 10-year extension of the arms control agreement between the two nations.

Steel Hike Unhappily Nixon Greets

WASHINGTON (AP)—The White House said Monday a price hike by U.S. Steel, the industry pacemaker, was "unhappily greeted" by President Nixon.

Nixon said the price increase would "have a serious effect on the economy."

Politicians Have Busy Monday

On the state scene, these were the developments Monday as the steel industry and labor unions continued their negotiations.

U.S. Steel announced a price increase, and other companies followed suit.

City Official Seeks Owner Of 300-Lb. Runaway Hog

Will the owner of the 300-pound hog report to the city? The hog, a Hampshire sow, was found running loose in the city on Saturday.

The city is offering a reward for information that leads to the hog's owner.

Astronauts Send Falcon Plunging Back to Moon

SPACE CENTER, Houston (UPI)—Two Apollo 15 astronauts roared off the moon Monday with a preflight check of the Falcon descent stage.

The Falcon stage was launched from the moon on Monday.

Senate Report Says CIA Spending Soars For Laotian Support

WASHINGTON (AP)—A Senate Foreign Relations Committee report Monday said that the Central Intelligence Agency had spent well over \$100 million last year as part of a growing U.S. effort to halt North Vietnamese advances in Laos.

The report also says that CIA spending for Laotian support has increased significantly.

Cambodian Fighting Breaks Out

SAIGON (AP)—New fighting broke out in Cambodia Monday, as North Vietnamese forces advanced into the country.

The fighting is reported to be intense in several areas.

Panther Trial Hears Testimony of Smoke

NEW ORLEANS (AP)—A police major who approached a Black Panther group's headquarters in the past few days testified Monday in the trial of 12 young Negroes charged with attempted murder.

The testimony was given by a police officer who was present at the scene.

Jimmie Davis Breaks Contract, Suit Threatened

PHILADELPHIA, Miss. (AP)—Single-Publicity Jimmie Davis, former Louisiana governor, broke a contract Sunday, and a suit is threatened.

The suit is filed by a party who claims that Davis has violated the terms of the contract.

Wins Right to Seek Bail

Death Row Record-Holder Dazzles Wives Of Astronauts

Lunar Liftoff

Monday upheld a lower court ruling reversing the murder conviction of Edgar Smith, who has been on death row longer than any convicted prisoner in U.S. history, and gave him the right to apply anew for freedom on bail.

The 3rd U.S. Circuit Court of Appeals rejected a plea by Smith, N.J., that he had been denied a new hearing in a state court judge's ruling that a lower court judge had erred in finding Smith guilty of first-degree murder.

Smith's rights were jeopardized when he was sentenced to life in prison in 1957. He had been convicted of the killing of a 15-year-old high school cheerleader in 1957.

In a brief order, the court upheld the state's appeal to keep Smith in Newark, N.J., which it said would be a "grave and irreparable injury" to the state.

Such were the widely-imposed conditions on Smith's appeal that he was unable to appear in court Monday as the space program's lunar liftoff was under way.

Smith, 47, had been in prison since he was sentenced to life in 1957. He had been convicted of the killing of a 15-year-old high school cheerleader in 1957.

Smith's attorneys had argued that the state court judge had erred in finding Smith guilty of first-degree murder. They argued that the judge had failed to consider the fact that Smith had been in prison for 14 years before the killing.

The court ruled that the state court judge had erred in finding Smith guilty of first-degree murder. The court ruled that the judge had failed to consider the fact that Smith had been in prison for 14 years before the killing.

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Cleanliness Facilities

Senate Report

Have noted that the remaining cleanup facilities needed to improve the quality of the nation's water supply are estimated at \$1.5 billion.

The report also notes that the current federal investment program for water supply and sewerage construction is estimated at \$1.2 billion for fiscal 1972.

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Remain Suits Await Ruling

As Rat in Corner Panther Pictured

After the determination by the court that the state court judge had erred in finding Smith guilty of first-degree murder, the state court judge had failed to consider the fact that Smith had been in prison for 14 years before the killing.

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WAC Leader

Assumes Office

Washington (AP) — Mildred C. Bailey was sworn in Monday as the eighth director of the Women's Army Corps.

Ms. Bailey, 49, is a native of Baton Rouge, La. She served in the Army from 1945 to 1955.

Ms. Bailey was sworn in Monday at the Pentagon. She will be the first woman to hold the position of director of the Women's Army Corps.

NEW DELHI — Trouble

is on an Oakland street for a few days.

The trouble in New Delhi is on an Oakland street for a few days. The trouble in New Delhi is on an Oakland street for a few days.

Astronauts Send Falcon

Panther Trial Told About

Steel Prices Climb

JUST LIKE DAD DOES, Jimmy Irwin, 8, snapped pictures with a camera in the front of his home near the launch complex of the moon.

Irwin and his father, James Irwin, 38, were finishing up their preparations for the lunar landing mission. Jimmy Irwin was 8 years old at the time.

The Irwin family lives in Houston, Texas. Jimmy Irwin was the first of three children. He is a member of the Boy Scouts and is a member of the church.

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Panther Trial Told About

Sailors Abandon Flaming Tanker

MIAMI (UPI) — The 57-foot tanker, General Motors and more than a month ago, for a short battle in the central highlands in South Vietnam, ground fighting once again consisted of small and scattered skirmishes and isolated enemy soldiers.

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Primary Set Today

Miss. Governoratorial

Lunar Liftoff

Seven Democrats are in the race, vying for election as the state's next governor.

The race is expected to be a close one. The candidates are: Roy Adams, James B. Bevel, James H. Cannon, James H. Cannon, James H. Cannon, James H. Cannon, James H. Cannon.

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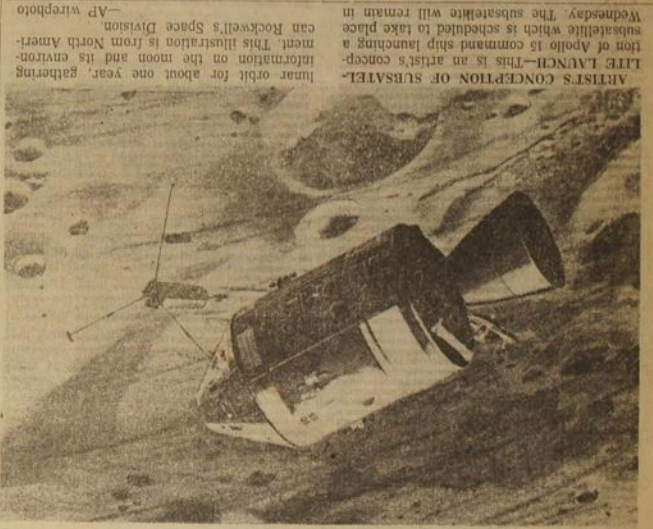
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MORNING ADVOCATE

Even a new month hasn't helped to break this daily masson pattern. Rain due again.



ARTIST'S CONCEPTION OF SUBSATELLITE which is scheduled to launch a moon. This illustration is from North American Space Division.

Station Says \$90,000 Paid Jimmy Davis

NEW ORLEANS (AP) — The station television station WVE alleged Tuesday that it had paid \$90,000 to a former Gov. Jimmy Davis for a film on the state's economy.

Scientific Projects Occupy Space Trio

SPACE CENTER, Houston (AP) — The Apollo 15 astronaut Mike Mansfield of Montana will be the watered-down end of the moon's newest crater.

Bomb Hoax Diverted by Jetliner

NEW YORK (AP) — A bomb hoax that may have been in the drum from which it was picked Tuesday was Feb. 26.

By Buckley N.J. Paper Axes Column

HACKENSACK, N.J. (AP) — The Record of Hackensack has been axed and the business was taken over by a new owner.

Fair Contract Denies Breaking Jimmy Davis

NEW ORLEANS (AP) — Jimmy Davis said Tuesday that he was not breaking a contract with the Louisiana State University.

Campaign Reform Aim of Senate Bill

WASHINGTON (AP) — With a startling lack of partisan bias, the Senate began work on a bill to curb campaign costs.

Winning in Mississippi C. Sullivan

JACKSON, Miss. (AP) — A primary Tuesday night in Mississippi was won by C. Sullivan.

Three GIs Describe Death, Propaganda, Beatings in Viet Jails

WASHINGTON (AP) — Three prisoners in Viet Cong camps described death, beatings and propaganda.

FATE IS SEALED — Drums containing birthdate capsules are sealed for a draft lottery by Joseph McLeod.

Plans for the lottery to determine order of the draft is tangled in Congress. A two-year extension of the draft is being considered.

President Reputates Is Thurs. Drawing

WASHINGTON (AP) — President Nixon Tuesday repudiated the school desegregation plan drawn up by Austin, Tex. schools.

OK'd by House Foreign Aid Bill

WASHINGTON (AP) — The House voted Tuesday night to support the foreign aid bill.

Drafting Is Thurs. Drawing

WASHINGTON (AP) — House passage of the two-year extension bill is expected Wednesday.

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Born Residents Due Registration Denial

Gen. Jack Bauer said Tuesday that he will deny registration to born residents.

Eagle Deaths Pay Told

WASHINGTON (AP) — The action by the registrars to pay for eagle deaths is being told.

In Testimony

WASHINGTON (AP) — The testimony of the registrars is being reported.

Approved By Senate SACB Funds

WASHINGTON (AP) — The Senate has approved funds for the SACB.

Weather Keeps Soggy Pattern

Weather map and other details are on Page 8-A.

Of Crop Planes In Collision

Two crop planes collided in a collision in the air.

Three Killed

Three people were killed in an accident.

Declassified Nixon Wants WII Data

Nixon wants World War II data declassified.

Officer Tells Panther Trial

An officer testified at the Panther trial.

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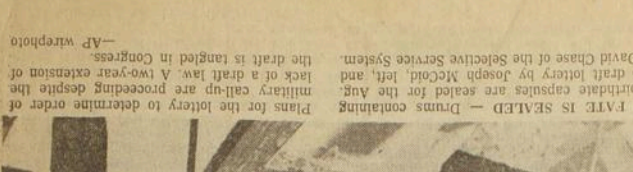
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AP wirephoto

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ASTRONAUTS EXPLORE MOON 6 1/2 HOURS, DRIVE ELECTRIC CAR ON ROUGH TERRAIN



Col. David R. Scott steps from ladder onto moon surface. White Lt. Col. James B. Irwin removes equipment from the LM, right. Colonel Scott carries TV antenna to the Rover.

U.N. TO SEND TEAM TO EAST PAKISTAN Steel Wage Pact Reported On Eve of Strike Deadlines I.T.T. WILL GIVE UP LARGE HOLDINGS

U.S. Wins Acceptance by Thant and Yahya on Plan for 153-Man Relief Unit

WASHINGTON, July 31—The United States, working behind the scenes, has won the agreement of both Pakistan and the United Nations to station an international group of 153 civilian relief and rehabilitation experts in East Pakistan under a year for workers in the car and aluminum industries.

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By FRANK J. PRAL

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Once-Popular Convertible Is a Victim of Progress

In the age of the freeway, the age of Naeder and consumerism, the dangers of a convertible in a roller coaster and a great help.



The girl who drove a 1949 Hudson convertible, a smile on her lips, hair blowing in the wind, will become but a memory.

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Pursuing a Robber

By MAURICE CARROLL

Two brothers who ran a technical description of the rocks and formations they saw in the street early yesterday by sense—in other words, far more detailed and informative than the work of any previous

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