

# Viking I lands on Mars

PASADENA, Calif. (UPI) — Viking 1 rode a parachute and a cushion of rocket power to a smooth landing on Mars yesterday and discovered a rocky, rolling desert with sand dunes after an unusually bright late afternoon sky.

Its first two black and white pictures, displaying clarity never before seen from a robot explorer, appeared as if they had been taken at sunset in a desert in Nevada.

"It's a very exciting place," said astronomer Carl Sagan. "Mars is extraordinarily interesting."

The seven-foot tall spacecraft landed only 17 seconds late after an 11-month voyage from Earth 214 million miles away. Viking was quickly transformed into a nuclear-powered science observatory bearing the flag of the United States and a Bicentennial emblem honoring the nation's 200th birthday.

"For Viking today, the search is just beginning," said Viking mission director Thomas Young two hours after the big parachute and then three rocket engines eased the spacecraft to a gentle touchdown.

President Ford praised the space agency and called Viking's landing a "wonderful and a most remarkable success." He asked if NASA planned a third Viking after Viking 2 lands in September. He was told more advanced missions were being considered.

Weather monitors were programmed to begin operated shortly after landing and a Mars-quake detector on a few hours later. Results from the experiments, however, were not expected until today.

Biologists will have to wait eight days before their three life detection instruments get a sample of soil to begin their

long-awaited quest for life on the fourth planet out from the sun.

Dr. Thomas Mutch, chief of the photographic experiment, said there was no obvious evidence that water had a role in shaping the surface. Pictures from orbit suggested the landing area was in a drainage basin for one-mighty rivers that geologists believe existed a billion years ago.

The presence of water in the past would increase Viking's chances of finding evidence of life — a key objective of the \$1 billion, two-shot Viking project.

Geologists said the rocks littering the landscape were sharp chunks of dark and light color. Some were pitted, which would suggest they were evidence of one of probably many volcanic interludes in Mars' history.

The surface was obviously wind blown. There were mounds of soil on sides of some rocks and other features typical of wind action in a desert. But scientists said wind apparently has not played a dominant role there.

Mutch said there was one mystery in the first picture — a dark line which he said apparently is a shadow.

He said one picture showed a middle altitude cloud layer on the horizon. And Dr. James Pollack said the sky was 100 times brighter than would be expected from Mars' atmosphere alone. This means, he said, there are many particles suspended in the "air."

Viking is scheduled to take its first color picture today.

It was extremely cold — scientists estimated 37 degrees below zero Fahrenheit — when Viking landed, and the atmosphere was much too thin to support animal life as it is known on Earth. But scientists hoped some microscopic forms of life might exist.

There were no visible signs of life in the first two pictures, although Dr. James C. Fletcher, space agency administrator, joked about what he said looked like cactus and sagebrush in the distance. These features presumably were rocks.

Viking's landing went right by the book. Every operation that was programmed to occur did, and within seconds of the preplanned time.

Viking began its descent when it separated from its still-orbiting mother craft at 4:32 a.m. EDT. It was 11,400 miles away at the time, traveling at 3,040 miles per hour.

The lander, built by the Martin Marietta Corp., coasted into the upper fringes of Mars' thin atmosphere and gained speed under the pull of Martian gravity. At one point it was going faster than 10,000 miles per hour.

But as its heat shield sliced into the thicker portions of Mars' "air" blanket, it slowed quickly, building up deceleration forces eight times the force of Earth gravity.

# Campbell named to post

By CHET WADE  
Collegian Staff Writer

Centre County Judge R. Paul Campbell of State College has been named one of six members of a national advisory committee formed by the American Judicature Society to study judicial performance in American trial courts.

Judge Campbell, president judge of the Centre County Court of Appeals, along with two other trial judges and three educators, will conduct the 18-month study with the purpose of making recommendations to the society on how to increase the efficiency of American trial judges. The study is funded by the National Science Foundation.

Judge Campbell was recommended for the post by Judge Alexander F.

Barbieri, Supreme Court administrator of Pennsylvania.

"My hope is we can pinpoint and recommend specific things to increase the productivity of trial judges," Judge Campbell said. "I also think it (the committee) ought to pinpoint that judges should spend more time on the bench and at their job ... I've really been a bug or nut about that for a long time."

Judge Campbell said he believed he was recommended for the committee because of his good record for productivity. He said Centre County has the highest population of any county in Pennsylvania with only one judge for the Court of Appeals, but there is no backlog of cases.

Asked if he would like to have another judge to help him, Judge

Campbell said, "I don't want one. I don't need one. Everything is up to date. If I wanted one, I could get one. But there is no backlog in Centre County."

Others named to the committee are Beverly Blair Cook, professor of political science at the University of Wisconsin at Milwaukee; Richard J. Fitzgerald, presiding judge, criminal division, Circuit Court of Cook County, Chicago, Ill.; Herbert Jacob, professor and chairman of political science at Northwestern University, Evanston, Ill.; David W. Neubauer, associate professor of political science, University of New Orleans, La.; and Robert A. Wenke, presiding judge, Los Angeles County Superior Court, Los Angeles, California.

# Scorpion bar faces PLCB suspension

The Scorpion, a disco bar and restaurant located at Calder Alley and South Burrows St., will be forced to close its doors for three days next week unless it is successful in fighting a Pennsylvania State Liquor Control Board decision.

Scorpion, Inc., operator of the establishment, Monday asked Centre County court to order a hearing into the board's ruling suspending the liquor license and amusement permit of the Scorpion starting next Monday. The board ruled on June 29 that

the Scorpion was in violation of conditions for the license and permit when the board inspected the establishment Feb. 2.

The board charged that the Scorpion, due to an insufficient supply of food on hand, did not qualify as a restaurant, and records pertaining to the cleaning of "coils, tap rods and connections in the operation of drawing malt or brewed beverages" were not being kept. The Scorpion contends the ruling is arbitrary and capricious.

# President gets more delegates

WASHINGTON (AP) — President Ford picked off clumps of Republican convention delegates in two of Ronald Reagan's strong southern states yesterday while the California challenger countered with an endorsement from Sen. Strom Thurmond of South Carolina.

Each side continued to claim its man would win at Kansas City next month, but The Associated Press count of delegates and the pattern of Ford gains indicated it was the President who was moving significantly nearer the GOP presidential nomination.

John Sears, Reagan's campaign manager,

declared, however, that Reagan will pick up at least 40 votes from delegates presently claimed by Ford.

Ford officials threw their own cold water on Reagan claims.

The Associated Press count of legally committed and publicly declared delegates showed, after the day's developments, 1,082 for Ford, 1,024 for Reagan, 152 uncommitted and one favoring Sen. Howard Baker Jr.

Sears said Thurmond would help Reagan win uncommitted votes in South Carolina. But just hours before the Thurmond announcement, three previously uncommitted South

Carolinians said they're now for Ford.

In all, Ford officials claimed 16 new delegates yesterday, one of whom was already counted for the President in the AP count.

Two others who had already been counted by the Ford camp announced publicly their moves from uncommitted to Ford.

The Reagan campaign named three new converts in addition to Thurmond, but two of these had been added to the AP tally earlier yesterday and one several weeks before that.

Previous analysis of both camps' strength and the pool of uncommitted delegates

had indicated Reagan would need to win virtually every remaining uncommitted delegate in the South if he is to capture the nomination Aug. 18.

Sears said the Ford totals optimistically include 40 or more delegates who will vote for Reagan but don't want to make their preferences known now because of their party position, dealings with the government, or other factors that could suffer by premature identification with the challenger.

Ford officials placed their present strength at 1,119 and said they hope to be able to name another 11 switches within a few more days.

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