

# Lost in space: second satellite orbits like first

By HARRY F. ROSENTHAL  
Associated Press Writer

CAPE CANAVERAL, Fla. (AP) — The space shuttle astronauts launched a second satellite yesterday, but it ended up in a useless orbit, like its twin launched three days ago, suggesting a common technical problem in the satellite rocket motors, an official said.

"The orbits are so similar that it's eerie," said Richard B. Brandes of Hughes Aircraft Co., which built the Indonesian Palapa satellite and its twin, Westar VI.

The North American Aerospace Defense Command located the Palapa B2 satellite about seven hours after its ejection from the shuttle Challenger in an elliptical Earth orbit so low that it "cannot perform its mission," said Brandes.

Judging from the orbit, the satellite rocket's motor apparently fired for only eight to 15 seconds, then stopped abruptly, its flame snuffed out, Brandes said. To reach the intended "parking" orbit 22,300 miles over the equator, the rocket engine had to fire for 85 seconds.

The orbits of Palapa and Westar VI are too low for the satellites to be useful.

"Two similar failures after 18 successful space firings obviously suggest a common technical problem may have existed with these two (rocket) motors," Brandes said.

The Palapa was in an orbit that was 750 miles at its high point and 172 miles at the low point, roughly the same as that of the Westar VI launched earlier for Western Union.

There is no way the satellites can be rescued or brought into useful service

because they lack the grappling fixtures necessary to pull them into the space shuttle.

Charles Ordahl, vice president of McDonnell Douglas Corp., which makes the \$7 million rocket stages, speculated that "there was some problem with the nozzle of the motor."

He suggested that the motors may have ruptured because pressure in the motor dropped abruptly.

The government of Indonesia called the failure "a major disappointment."

Flight Director Harold Draughon said the astronauts did not ask about the satellite and were not told of its failure.

Western Union said its satellite cost \$30 million and that other expenses pushed its loss to \$75 million. Presumably, the nearly identical Palapa cost about the same.

The third major failure on the troubled flight cast a pall over the most daring part of the mission: today's scheduled first spacewalk by astronauts not wearing a lifeline.

On Sunday, a \$450,000 tracking balloon burst as it was being inflated.

Westar VI, launched Friday, was found two days later in a useless orbit, its systems intact. It apparently had separated from its booster, a rocket stage called a Payload Assist Module — PAM for short. There was no doubt Monday that the PAM burned, at least for the first one-third of its expected time.

As far as the astronauts were concerned, their part of the satellite deployment was done and they could concentrate on today's showstopper: the jet-propelled excursion into space by Bruce McCandless and Robert

Stewart. They will be the first humans to venture into the void with no rope to keep them from going too far.

McCandless, 46, and Stewart, 41, will have their backs to the black of the universe looking down on their spaceship framed against the spinning Earth. What they see will be relayed to the ground by television cameras attached to their helmets.

Only twice before have astronauts ventured out of the shuttle, but each time they were tethered to the cargo bay by a nylon cord. The spacewalkers of an earlier age — in the days of Gemini, Apollo and Skylab — were supplied by air hoses while they were outside. On the moon, of course, there was enough gravity — one-sixth that of Earth — so that the astronauts didn't need tethers.



## Olympic hopefuls?

Sherry Carlin (left) of Houtzdale helps her daughter, Tiffany, skate to raise money for Cystic Fibrosis during Sunday's "State Skate" at the University's Ice Pavilion. Meanwhile, her son, Custer (bottom), takes a breather from the day's activities.



Photos by Dan Oleski

## Budget cuts student aid

Despite increases, higher ed programs could wind up loser

By ANITA J. KATZ  
Collegian Staff Writer

Although funding to College Work-Study and Guaranteed Student Loan programs would increase, funding for other higher education programs would decrease if Congress approves President Reagan's budget for fiscal year 1985 without revision.

According to information from the American Council on Education, student aid programs would lose about \$330 million in budget cuts. The budget would cut an additional \$130 million from other higher education programs, such as cooperative education and college library programs.

The American Council on Education is a lobbying group which represents the higher education community to Congress, said Charles B. Saunders, director of governmental relations.

Reagan's budget proposes a 53 percent increase in funding for the College Work-Study program, from \$555 million to \$850 million and an increase in GSL appropriations from \$2.3 to \$2.8 billion.

But Saunders said the budget is a warmed-over version of last year's proposal, which called for the elimination of Supplemental Educational Opportunity Grants, State Student Incentive Grants and federal capital contributions to National Direct Student Loans. The Pell Grant program is

budgeted for \$2.8 billion, the same amount it received during fiscal year 1984.

Duncan Helmrich, public information director for the U.S. Department of Education, said although the budget asks for the elimination of the SEOG program, funding for the program could come from the College Work-Study program.

Institutions could transfer as much as 50 percent of their CWS funds into other grant programs, he said. Cooperative education and adult literacy programs, which would be eliminated by the budget, could also be subsidized through work-study, he added.

Increases in federal appropriations to the GSL program would increase the amount of money available to students from \$7.2 billion to \$7.5 billion, Helmrich said. Revisions in the program would require all applicants to undergo need tests to determine the amount of their loans.

Only GSL applicants with family incomes over \$30,000 are required to submit need tests.

Helmrich said the budget calls for the restructuring of the Pell Grant program into a "student self-help program." Students would be expected to contribute a minimum of \$500 or 40 percent of their college costs through loans or work-study before receiving a grant, he said. The maximum grant would be raised from \$1,900 to \$3,000 and

eligibility restrictions would target aid to students from low-income families.

John Brugel, director of the Office of Student Aid, said he doubts this budget will have an effect on University students because he believes the proposals will be revised by Congress before they are approved.

"I don't think the budget will be passed the way it was proposed," he said.

And Saunders said "the proposals were ignored by Congress last year and will probably be ignored by Congress this year."

John E. Dean, assistant council for the House Education and Labor Committee, said the budget proposals were "greeted with disappointment by (committee) members of both parties."

Dean said committee members believe more aid should be appropriated to higher education than the budget requests. Committee members are especially disappointed with eliminations of graduate assistance and college library programs and cuts to programs which supply aid to minority and low-income students, he said.

"The budget proposal is a good faith attempt for the administration to support higher education without giving it more money," Dean said.

## Governor to propose tax cuts

By DAN BIERS  
Associated Press Writer

HARRISBURG — Gov. Dick Thornburgh will recommend cutting business taxes by an estimated \$80 million annually as part of his budget proposal, legislative sources said yesterday.

Thornburgh, who will announce today his \$8.5 billion general fund budget for the fiscal year beginning July 1, has said the proposal will not include any tax increases.

The governor will also recommend that a new mortgage foreclosure relief law be paid for by the lottery fund surplus, according to the sources who asked not to be identified. Thornburgh has said the

current funding system, which depends on corporate contributions, is inadequate.

Lawmakers generally believe that this budget will not stir up a major partisan battle as did last year's. Legislative sources said Thornburgh wants to drop the 10.5 percent corporate net income tax to 9.5 percent, effective Jan. 1.

If passed by the Legislature, the tax decrease would join a number of recent moves designed to improve the business climate in Pennsylvania.

The governor has said that economic development will be the top priority of the 1984-85 budget.

Education increases also are expected, including the \$48 million first-year appropriation for Thornburgh's "Agenda for Excellence" program.

## Civil war:

Moslems seize west Beirut, demand Gemayel's resignation

By FAROUK NASSAR  
Associated Press Writer

BEIRUT, Lebanon (AP) — Anti-government Moslem militiamen seized most of west Beirut in furious street battles with the Lebanese army yesterday and demanded the resignation of Christian President Amin Gemayel.

As night fell, a gunship and two warplanes of the U.S. 6th Fleet turned their firepower on rebels who rocketed the U.S. Marine base at the international airport on Beirut's southern edge, a Marine spokesman reported.

One Marine was wounded and a French soldier was killed in the new explosion of fighting, which plunged the American-backed Gemayel administration into its worst crisis since it took office 16 months ago. Two other Frenchmen and eight

Italian soldiers in the Beirut multinational peacekeeping force were also reported wounded.

Police said at least 90 people were killed and 300 wounded in yesterday's fighting, pushing the overall toll to about 160 dead since the latest round of Lebanon's intermittent civil war broke out last Thursday.

Hooded Shiite Moslem irregulars and their Druse allies drove Lebanese army units from most of their checkpoints on Moslem west Beirut's main commercial thoroughfares and residential neighborhoods.

The fierceness of the fighting was reminiscent of the 1975-76 civil war. For the first time Shiite Moslem leader Nabih Berri called on Gemayel, a Maronite Christian, to resign.

"The battle is about to end,

Lebanon's little shah (Gemayel) is on the verge of collapse!" Berri, leader of the Shiite movement Amal, declared in a radio broadcast.

Gemayel's Sunni Moslem prime minister, Shafik Wazzan, had resigned with his eight Cabinet members Sunday to clear the way for a national coalition Cabinet to try to end the conflict, which pits the army and the Christian right-wing Phalangist militia on one side against Syrian-supported Druse and Shiite fighters on the other.

In the United States, President Reagan issued a statement Monday deploring "the actions of those who would destroy the legitimate government of Lebanon," and blaming the Syrian government for the attacks.

White House spokesman Larry Speakes said the Reagan

administration hoped Gemayel "will quickly be able to form a responsible, broadly representative government."

Special Middle East envoy Donald Rumsfeld and other U.S. officials held urgent talks with Gemayel at the presidential palace in suburban Baabda, Lebanese state radio said. Secretary of State George P. Shultz, in Brazil, said the Reagan administration would be reviewing its Lebanon policy in the light of "what emerges."

Walid Jumblatt, leader of the Druse Progressive Socialist Party, said in a statement issued in Damascus, Syria, that any political settlement with Gemayel's government was "impossible" and the president's resignation was necessary to solve the country's crisis.

### tuesday

#### inside

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- Instead of traditional Valentine's Day gifts of flowers, candies or cards, how about something different this year — like some computer software or a pair of diamond earrings? ....Page 8
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#### weather

A few morning clouds will give way to mostly sunny skies today with a high of 20. Clear and very cold tonight with a low of 2. Sunny and not as cold tomorrow with a high near 29. ....by Glenn Ralph