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The Weather

Today	Tomorrow
High 73	High 74
Low 48	Low 50
Chance of rain 10%	Chance of rain 10%

Fate of shuttle to be decided this afternoon

United Press International
CAPE CANAVERAL, Fla. — The hard-luck pilots of the space shuttle Columbia entered their second day in orbit today faced with the likelihood they would be ordered home early because of the failure of a new generator.

Astronauts Joe Engle and Richard Truly were prepared, however, to make the most of what time they have left in space by cramming as many top-priority flight tests as possible into today's work.

Much of the time was allocated to testing the new Canadian-built 50-foot cherry-picker arm that will be used on future missions to unload satellites in orbit.

Flight director Neil Hutchinson said project officials would decide late this afternoon on the fate of shuttle mission 2 — the first flight of a spaceship that has flown before.

Mission control in Houston announced at first that Engle and Truly would definitely be landing Saturday at Edwards Air Force Base in California's Mojave Desert. Spokesman John McLeish said mission rules required an early end to a mission that had encountered one generator failure.

But Hutchinson said later such rules were made to be bent. He said controllers would evaluate the situation on a day-by-day basis to see when the risk of staying in orbit exceeds the benefits.

He said, however, that what had started out as a five-day endurance test for the flagship of America's shuttle fleet had turned into a "minimum mission" situation in which key objectives would be crammed into 54 hours of flight.

An early return would be particularly costly to the scientists responsible for an \$11.6 million package of Earthwatching instruments in Columbia's cargo hold.

The instruments are designed to scan the globe for hidden resources and pollution sources. An early return would reduce their yield.

Although the Columbia is a veteran of a 54-hour mission last April, the generator problem involved a brand new "improved" unit installed for this mission. The generator is a fuel cell, one of three suitcase-sized units stashed in the Columbia's lower fuselage.

The fuel cells use the reaction of hydrogen and oxygen to generate electricity and produce drinking water as a byproduct. Such units have been used since the Gemini program of the 1960s.

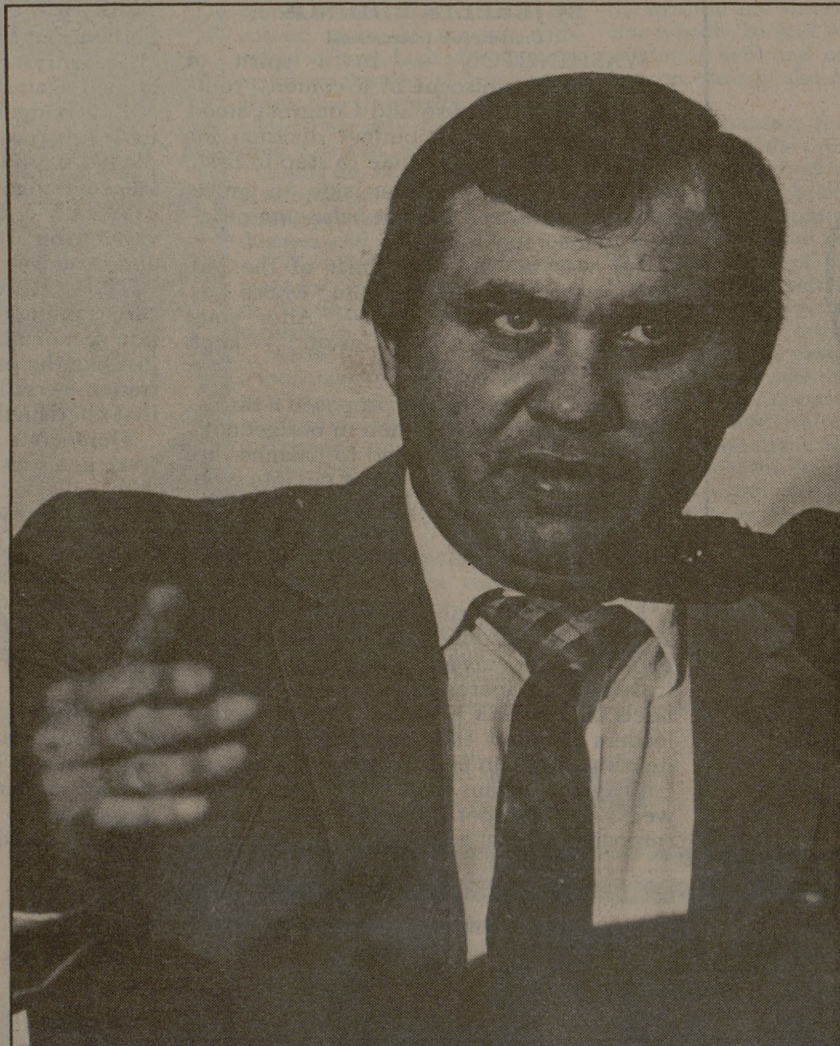
Specialist Bill Reilly said an impurity of some sort — possibly caused by a manufacturing fault — in the device apparently blocked small water hydrogen passages, allowing water to build up in the unit.

If allowed to continue, the water buildup would have produced a reverse reaction — the water would have been broken down into oxygen and hydrogen, producing a potentially explosive mixture.

So controllers decided without hesitation to shut it down, drain it of its gases and rely on the two good fuel cells to meet the Columbia's electricity needs.

What worried controllers, however, was the possibility that another unit would quit. There was no indication this would happen, but a second fuel cell failure would mean Columbia would have to return to Earth as soon as possible.

The ship can land with only one fuel cell operating, although Hutchinson said it would be a "pretty tough" operation. But if all three were out, the spaceship would be unable to function.



State Rep. Dan Kubiak

State legislator plugs gasohol

By NANCY WEATHERLEY

Battalion Staff
The state representative of District 36 urged support Thursday for gasohol production and consumption to counteract dependence on foreign oil supplies and to help out the farming industry.

Sponsored by the MSC Political Forum Committee, Dan Kubiak said the government will be dealing more with alternative energy sources, such as gasohol and exotics — solar, wind and other sources — to make the country energy self-sufficient.

Kubiak passed a bill through the Legislative Special Session promoting the sale and manufacture of gasohol through tax credits and return of money to distributors who sell gasohol.

Gasohol is a blend of 10 percent alcohol and 90 percent gasoline. The ethyl alcohol in gasohol is produced from the grain products farmers produce and the process gives off a by-product of protein.

Kubiak told the Rudder Tower audience that one reason he became interested in gasohol was because of the present plight of farmers.

"The farmers are falling flat on their faces," he said. "The price of the farm products the farmer receives today is 14 percent less than it was just one year ago in this country."

Gasohol would give the farmers a new

market for their products, he said.

The protein can be utilized, not only for swine and livestock, but also in protein bars for human consumption, he said.

"It (the protein by-product) allows this product to go one step closer to the marketplace, thus benefiting the consumer as well as the producer," he said, "and by the same token, producing the only renewable source of energy that we have for the transportation field."

Kubiak also said that with current grain surpluses, America's marketing procedures are not being utilized correctly: by exporting grain which could be used for ethyl alcohol production.

"We have failed in our marketing system," Kubiak said. "And I think it is a grave sin for the American people, for us to be able to produce so much of a then people in some parts of the world starve."

"Something has to be wrong with our system when we cannot deliver those products to the people who desperately need them."

With a current surplus in gasoline and high interest rates — which Kubiak likened to cancer — gasohol production hasn't caught on in America except in the midwest, where there is a lot of grain production, he said.

Also, he said, high production costs involved in the mass production of ethyl alcohol has slowed acceptance of gasohol.

Second incident involves mystery car

Security tightened for diplomats

United Press International
PARIS — Security against feared Libyan attacks on U.S. diplomats has been tightened today following the attempted assassination of the American ambassador and news that another diplomat was followed by a car without license plates.

The American diplomatic community was badly shaken by the Thursday attack on U.S. Ambassador Christian Chapman, who escaped by ducking behind his limousine as a bearded man fired six bullets at him.

In Washington, President Reagan "deplored" another incident of international terrorism and Secretary of State Alexander Haig hinted Libyan leader Moammar Khadafi was seeking to avenge the shooting down of two Libyan

MiCs in a dogfight in August.

"We do have repeated reports coming to us from reliable sources that Khadafi has been funding, sponsoring, training and harboring terrorist groups who conduct activities against the lives and well-being of American diplomats and facilities," Haig said.

Security had been increased even before the shooting and an official U.S. source said at least one suspicious incident was reported in recent weeks.

The U.S. ambassador to the 24-nation Organization of Economic Cooperation and Development, Abe Katz, was followed in his limousine by a car without license plates, his wife confirmed Thursday night.

"After we arrived home, our chauffeur told us he suspected he had been followed by a car with no license plates," Mrs. Katz said. "The police who always accompany us had the same impression."

American sources said U.S. Marines who guard the embassy recently were warned by embassy officials about the alleged Libyan threats. Those entering the embassy off the Place de la Concorde have been searched and questioned.

When Chapman called a news conference to describe the shooting, embassy guards searched all handbags and camera cases. A Marine stood next to Chapman with his hand on his pistol in his holster.

Chapman, smiling and calm, told

journalists he had left his flat near the Eiffel Tower at 8:50 a.m. to get into his chauffeur-driven car when he noticed "a man at the corner wearing black trousers and a black leather jacket."

He walked forward, with his hand inside his jacket, said Chapman. "I turned around and he was pointing a gun at me and I heard shots. I ran around the back of the car and threw myself down."

The gunman fired six quick shots and two bullets pierced the car.

Two weeks ago, U.S. Ambassador to Italy Maxwell Rabb was called home, then given an around-the-clock guard when he returned to Italy. The ambassador to Vienna has been given similar protection.

Commandant issues duty memo

A new memo outlining the duties of the Texas A&M Officers of the Day has been issued by Commandant James R. Woodall in preparation for the Texas A&M-Arkansas game Saturday.

The memo was prepared in the aftermath of the saber incident at the Texas A&M Southern Methodist University game Oct. 31. Cadet Greg Hood was suspended Monday for brandishing his O.D. ceremonial saber at an SMU cheerleader.

Hood drew his saber and chased the cheerleaders as they began a routine on Kyle Field following an SMU touchdown. After the incident, the cadet maintained that he thought it his responsibility to uphold a tradition of keeping cheerleaders off the field.

Woodall has confirmed that Hood had not been told his specific responsibilities as O.D. prior to the incident with the SMU cheerleader.

However, O.D. briefings now will become a standard practice before football games, the commandant said, and

the unit commander who will lead the O.D.'s Saturday has been briefed.

A memo was issued last year concerning the specific duties of the O.D. but that memo was not distributed this year, Woodall said.

The memo includes a condition that sabers are to be drawn only to salute the United States flag.

It also specifies that O.D.'s are responsible for controlling the Texas A&M student body; University Police are responsible for controlling the visiting student body.

Furthermore, O.D.'s are to remain south of the 50-yard line, in front of the Texas A&M student section. Their duties also include helping to organize the senior boot line at halftime and preventing pranks during the game.

Because Saturday's game will be televised regionally on ABC-TV, kickoff has been postponed until 2:50 p.m. and the traditional Corps of Cadets march-in has been scheduled for 11:45 p.m.

Balloon lands after trans-Pacific record

United Press International
RED BLUFF, Calif. — The Double Eagle V balloon, flying through heavy rain and poor visibility, crash-landed safely on a rugged mountain top late Thursday and successfully completed a historic 3½-day trans-Pacific flight from Japan.

Minutes after the 270-foot-high helium balloon landed on a ridge 50 miles southwest of Red Bluff in northern California, the four-man crew radioed that it was okay and stayed with

the craft until daybreak.

The balloonists, headed by Ben Abruzzo of Albuquerque, N.M., had planned to continue flying across the country if conditions were favorable, but the Double Eagle became iced over the Pacific and the crew decided to set down after reaching the California coastline.

Federal Aviation Administration spokesman Bob Baird said the balloon set down at 9:36 p.m., about an hour after it floated over the California coast

near the fishing town of Bodega Bay, and began looking for a safe landing site after covering nearly 6,000 miles.

The previous distance mark of 3,314 miles was held by Maxie Anderson of Albuquerque and his son, Kris, on the first balloon crossing of North America last year.

The area where the balloon went down was rugged timber country almost inaccessible except by foot, the Tehama County Sheriff's office said.

"We have no idea exactly where

they're at," a sheriff's deputy said, adding that a search and rescue team could head for the site after sunrise once the balloon is pinpointed.

With Abruzzo on the historic voyage were Larry Newman and Ron Clark, both of Albuquerque, and Japanese businessman Rocky Aoki, who owns a nationwide restaurant chain.

During their trip, the balloonists faced temperatures of 40 to 60 degrees below zero and had to breathe oxygen nearly the whole time.

Courses with evening exams named for spring semester

By BARBIE WOELFEL
Battalion Staff
While students are contemplating which courses to take next semester, one consideration could be whether a course requires evening examinations.

The colleges of business administration and engineering have scheduled a number of night exams during the spring semester for larger classes that have multiple sections, said Associate Vice President for Academic Affairs Charles E. McCandless.

However, the 1982 spring class schedule booklet does not list which courses will have the scheduled evening exams.

The following is a schedule of the courses that have been authorized by the University to give night examinations during the spring of 1982:

College of Business Administration
— Acct. 229 — Feb. 17; March 24; April 14; 7-9 p.m.
— Acct. 230 — Feb. 18; March 25; April 15; 7-9 p.m.

— Acct. 327 — Feb. 24; April 8; 6-8 p.m.
— Acct. 328 — Feb. 23; April 6; 6-8 p.m.
— B.Ana. 217 — Feb. 10; March 10; April 7; 7-9 p.m.
— Fin. 341 — Feb. 16; March 23; April 20; 7-9 p.m.

College of Engineering
— Ch.E. 205 — Feb. 11; March 11; April 15; 7-9 p.m.
— Ch.E. 304 — Feb. 11; March 11; April 15; 7-9 p.m.
— Ch.E. 323 — Feb. 15; March 22; April 19; 7-9 p.m.
— Ch.E. 354 — Feb. 16; March 10; April 20; 7-9 p.m.
— M.E. 212 — Feb. 17; March 24; April 14; 7-9 p.m.
— M.E. 213 — Feb. 18; March 31; April 20; 7-9 p.m.
— M.E. 327 — Feb. 11; March 25; April 29; 7-9 p.m.

— Pet.E. 310 — Feb. 10; March 11; April 27; 7-9 p.m.
— Pet.E. 402 — March 2; April 14; 7-9 p.m.
— Pt.E. 409 — March 10; April 15; 7-9 p.m.
— Pet.E. 413 — Feb. 18; April 1; April 29; 7-9 p.m.
— Pet.E. 414 — Feb. 18; April 1; April 27; 7-9 p.m.
— Pet.E. 417 — Feb. 10; March 3; March 31; April 28; 7-9 p.m.
— Pet.E. 458 — Feb. 22; March 29; April 26; 7-9 p.m.

A course list will be distributed to all student advisers prior to pre-registration next week, McCandless said. A number of copies also will be placed in appropriate places for students to pick up at the time of registration.

Pre-registration begins Monday. Students should begin the process by reporting to their academic advisers in the appropriate departmental offices.



Once again, it is Friday the 13th. Today is the third of three such dates in 1981. Luckily, only one Friday the 13th is on next year's calendar.