

# Texas A&M The Battalion

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## 92 die in plane crash

**United Press International**  
MADRID — An Iberia Airlines Boeing 727 taking off Wednesday on a fog-shrouded runway slammed into a DC-9 which crossed in front of it, setting the jets ablaze and killing 92 people in Madrid's second jet disaster in 10 days.  
Authorities said the smaller Aviacos jet was preparing to take off on a domestic flight when it apparently wandered, blinded by the fog, onto the wrong section of the runway.  
Carlos Espinosa, president of the state-owned Spanish airlines, said 42 people on the DC-9 were killed and Iberia said in a communique that 50 of the 93 people on Flight 350 to Rome died. One unidentified man was reported in critical condition.  
The Iberia jet's pilot, Juan Carlos Lopez Barranco, crawled from the damaged cockpit, helped out two other survivors and shouted repeatedly, "The runway was mine."  
Two Americans — Thomas Goltz,

39, director of the Singer Co. in Spain and his wife, Sydney — were aboard the Iberia 727.  
"We felt a terrible, terrible impact," said Mrs. Goltz, 32. "I was screaming 'Oh God, Oh God.'"  
She said she and her husband, of Berkeley, Calif., were sitting by the rear emergency door and managed to kick it open after the plane swerved from the impact of the crash.  
"Then we ran and ran blindly," she said. "You couldn't see 10 feet in front of you. We heard dull thumps of explosions and people yelling and we looked back and saw the flames."  
Among the passengers aboard the Iberia jet were Spaniards, Italians and about 40 Japanese tourists going to Rome, including several honeymoon couples.  
Mexican actress Fanny Cano also was aboard the Iberia jet and feared dead.  
South African pianist Marc Raubenheimer, on a concert tour of

Spain, was on the Aviacos jet and believed dead, airline officials said.  
King Juan Carlos and Queen Sofia decided to cut short their private visit to the United States and return to Spain after hearing of the accident.  
Osnat Berkovich, 32, of Israel, survived the crash apparently unscathed, running from the burning Iberia jet with about 20 other people.  
"It was like a movie — it wasn't real," she said. "I heard cries of 'Help me, help me, I'm dying.' But we couldn't do anything."  
The morning crash came just 10 days after a Colombian Boeing 747 crashed into a field less than a mile from Madrid's Barajas airport runway, killing 181 of 192 people aboard.  
Fog at the collision site — a gruesome scene of charred flesh, smoldering fuselage and strewn luggage — was so thick that one plane's wreckage could not be seen from the other. Minutes after the accident, the planes were burning, and rescue workers

pulled bodies and the injured from the wreckage.  
"I pulled out one body and half of its skin came off on my hands," said one of the scores of rescue workers at the scene.  
The corpses were laid on the tarmac and covered with blankets, and a priest administered last rites.  
Authorities estimated it would be days before the identity of all the victims would be known.  
Espinosa said when the crash occurred, visibility was 330 yards, 110 yards beyond the minimum. The airport was closed to incoming flights at the time.  
International aviation officials said the airport was not equipped with ground radar control that could have prevented the accident. Airport officials refused comment.

## Final exams schedule

Final exams will be held according to the following schedule:

| Monday:                           | Wednesday:                            |
|-----------------------------------|---------------------------------------|
| Class meeting                     | MWF 10 a.m.                           |
| Exam time                         | 8 a.m. to 10 a.m.                     |
| MWF 8 a.m.                        | MWF 3 p.m. or MW 3 p.m.               |
| 8 a.m. to 10 a.m.                 | 11 a.m. to 1 p.m.                     |
| MWF 1                             | TTh 11 a.m.                           |
| 11 a.m. to 1 p.m.                 | 2 p.m. to 4 p.m.                      |
| TTh 8 a.m. to 9:15 a.m.           | TTh 3:30 p.m.                         |
| 2 p.m. to 4 p.m.                  | 5 p.m. to 7 p.m.                      |
| MW 5 p.m., 5:15 p.m. or 5:30 p.m. |                                       |
| 5 p.m. to 7 p.m.                  | Thursday:                             |
|                                   | MWF 11 a.m.                           |
|                                   | 8 a.m. to 10 a.m.                     |
|                                   | TTh 2 p.m.                            |
|                                   | 11 a.m. to 1 p.m.                     |
|                                   | TTh 12:30 p.m.                        |
|                                   | 2 p.m. to 4 p.m.                      |
|                                   | MWF 12 p.m.                           |
|                                   | 5 p.m. to 7 p.m.                      |
|                                   | Friday:                               |
|                                   | MWF 4 p.m., MW 4 p.m. or MW 4:30 p.m. |
|                                   | 8 a.m. to 10 a.m.                     |

## Graduation shorter, features one speaker

by Leslie Yoder and Stephanie Ross

**Battalion Reporter**  
Commencement ceremonies for nearly 2,340 graduates and the commissioning of 44 cadets will be this weekend in G. Rollie White Coliseum.  
In order to make the ceremonies shorter, a main speaker will appear only at one of the ceremonies, President Frank E. Vandiver said. The speaker has not yet been chosen.

In the past, speakers have appeared at all of the ceremonies, and their speeches lengthened the ceremony considerably. Vandiver said that eliminating speakers is one way of experimenting to make the ceremonies shorter, and that in the future other parts of the ceremony may be changed.

Vandiver, H.R. "Bum" Bright, chairman of the Texas A&M Board of Regents, and A.W. Davis, president of the Association of Former Students will also speak briefly at the commencement exercises.

All graduate degree candidates and undergraduate candidates in the colleges of agriculture, architecture, business and geosciences will receive

their diplomas at 7:30 p.m. Friday.

At 9 a.m. Saturday, undergraduate degree candidates in the colleges of education, engineering, liberal arts, science, veterinary medicine and candidates from Texas A&M at Galveston will receive their diplomas.

The Geosciences and Earth Re-

search program, and the colleges of agriculture, architecture, business and geosciences have the largest number of eligible candidates for the upcoming commencement totaling 1,262.

The colleges of education, engineering, liberal arts, science, veterinary medicine and Texas A&M-Galveston have 1,082 eligible candidates.

Thirty-six cadets will be commissioned as second lieutenants and eight cadets will be commissioned as ensigns into the U.S. Armed Forces at 1:30 p.m. Saturday.

Twenty cadets will be commissioned into the Air Force; five into the Army; 11 into the Marine Corps and eight into the Navy.

Lt. Gen. Herman O. Thomson of the Air Force will be the special guest and commissioning officer at the ceremony.

The Doherty Award, a \$3,000 check and a plaque, given each year to a cadet who has accepted a contract and who has an outstanding record in academics and leadership, will be presented at the commissioning ceremony.

*Eliminating speakers is one way of experimenting to make the ceremonies shorter. In the future other parts of the ceremony may be changed.*

sources Achievement Medal will be awarded to Robert H. Allen during the Friday ceremony.

Edwin H. Cooper, dean of admissions and records, said the graduate



John Makely, Battalion staff

### Who's Who?

in a mudslinging fight at the Hall of Fame Wednesday night are Susan Judge, Teri Danish, P.J. Kellog, and Susan Patterson — all little sisters for Alpha Tau Omega

fraternity, versus Reagan Rorshach. This was the third of several bouts scheduled in the inter-sorority competition sponsored by ATO.

## Shuttle to bring spacelab back to Earth

**United Press International**  
EDWARDS AIR FORCE BASE — The six men aboard the shuttle Columbia Wednesday finished their experiments, packed up Spacelab and prepared to return home today with the priceless product of 10 days and 4 million miles in orbit.

Scientists on the ground eagerly awaited the film, recorded data tape, super crystal samples, unique alloys, frozen blood samples and other experimental results returning in the orbiting laboratory anchored in Columbia's cargo bay.

"The excitement has just begun," said mission scientist Charles Chappell in mission control in Houston. "You have to feel overwhelmed about the enormity of accomplishment this mission represents."

Pilots John Young and Brewster Shaw and scientist-astronauts Owen Garriott, Robert Parker, Ulf Merbold and Byron Lichtenberg were tired but exuberant from America's longest manned space flight since Skylab flew in 1974.

Landing was scheduled for 10:59 a.m. and the weather forecast had improved significantly over earlier predictions. The latest word from Air Force weather forecasters called for mostly fair skies with variable high cloudiness.

"Shoot, that sounds great to me," Shaw said when informed the weather was better than expected.

The four scientists aboard the crew must spend a week at Edwards undergoing a variety of tests to monitor their re-adaptation to gravity. Young

and Shaw planned to fly back to their homes in Houston later Thursday.

The 33,252-pound Spacelab gave Columbia a record landing weight of 220,425 pounds — 5 tons heavier than the previous record. This extra weight required a shallower than usual gliding approach to the broad landing strip.

The astronauts started receiving congratulations from ground controllers when their ship swept into the start of its 10th day in orbit — an extra day added to the mission because of a

surplus of oxygen and hydrogen for its fuel cell generators.

"You guys have done a tremendous job," said Bill Fisher, a doctor scheduled to fly next December. "I know you're working hard and looking forward to getting a little rest. But you certainly have done a super mission."

"Things started off a little rocky in certain ways, but it's gotten better and better every day and we're certainly pleased with how things have gone up here," said Garriott, who spent 59 days in orbit aboard Skylab in 1973.

Spacelab in 10 days has gathered 50 times the information radioed back from Skylab during 24 weeks of manned operations, Chappell said.

"There is a tremendous amount of science that will come off this mission and this is just the first of what will be a long series of missions Spacelab will fly," he said.

"We've watched a smooth operation of a very comprehensive payload. We've done science around the clock, around the world. That had never been done before."

### Senior rings have arrived

Aggie senior rings which were ordered during the second summer session are in. They can be picked up in the Pavilion from 8:30 a.m. to 4 p.m.

## A&M professor receives second major national scientific award for this year

by Chris Cox

**Battalion Reporter**  
Dr. F. Albert Cotton, a Texas A&M professor, was presented his second major national scientific award of the year Wednesday night from the New York Academy of Sciences.

Cotton received the 1983 Award in Mathematical and Physical Sciences at the annual national meeting of the academy at the World Trade Center in New York City. Cotton, the Robert A. Welsh Distinguished Professor of Chemistry at Texas A&M, was the first recipient from the state of Texas.

The award was given for his contributions for fundamental research in structural and inorganic chemistry. The prestigious academy of sciences grants one award a year to a physicist, mathematician, chemist or astronomer.

In May, Cotton received the National Medal of Science from Presi-

dent Reagan. The 53-year-old professor became the first member of Texas A&M's faculty to win a National Medal of Science while on the faculty. The award was also for Cotton's work in the field of inorganic chemistry.

More than 700 scientific papers on inorganic chemistry bear Cotton's name — half of them written since he came to Texas A&M from the Massachusetts Institute of Technology in 1972.

He has written several textbooks on the subject that have been translated into 15 languages. His best-known text is "Advanced Inorganic Chemistry," which he co-wrote in 1962.

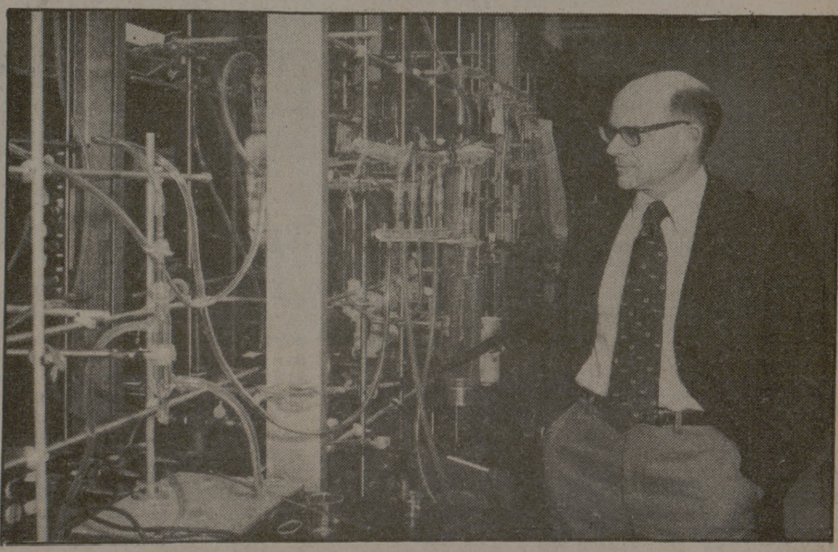
The "Institute for Scientific Information" compiled a list in 1977 of the 250 most-cited primary authors for the fifteen-year period 1961-1975. Of these 250 most-cited authors, in all fields of science, there were only sixteen who had over

10,000 citations, and included in this top list, in position number nine, was Cotton, with 12,901. Among these 16 in 1977, Cotton, then 47, was the youngest. The average age of the other 15 was 69.

Larry Falvello, staff scientist in the chemistry department, says Cotton is a dynamic person with an encyclopedic knowledge of chemistry. Falvello said he knew of Cotton's work before he had actually met him. And, he said, Cotton is really a pacesetter.

Carlos Murillo, a visiting professor from Costa Rica, says Cotton has special qualities he has not seen in many professors. He says he is quite different from the professors in Costa Rica.

Cotton was named to the National Academy of Science in 1967. He also belongs to the American Academy of Arts and Sciences.



Dr. F. Albert Cotton

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