

# Twenty Marines Die In Airplane Crash

By MORTON L. SALTZMAN  
BATTLE MOUNTAIN, Nev. — Searchers, struggling up a snow-blanketed mountain into an almost-inaccessible canyon, Thursday found the burned wreck of a Marine transport plane with all aboard dead.

The four-engine plane, carrying 18 to 20 Marines, crashed in a blizzard Wednesday afternoon near the peak of 9,978-foot Mt. Robin, the highest point in the isolated area of northeastern Nevada 32 miles southwest of Battle Mountain.

Wally Swanson and Gene Corbridge of the Bureau of Land Management, who first spotted the wreck shortly after dawn, reached the spot at 12:50 p.m. and radioed back that there were "no survivors. Everything is burned to a crisp except the tail."

crashed on its belly, then slid 400 feet backward into the depression and burst into flames.

"Everything on the plane was charred, and the black stood out against the white snow," said Marilyn Newton, photographer of the Nevada State Journal after flying over the wreck which was at the 8,600 foot level.

The story of the death of the plane was told by radio and by ranchers in the sparsely settled mountain country.

The pilot was flying on instruments because of the blizzard. At 1:50 p.m. Wednesday, in his last message, he told the Federal Aviation Administration in Salt Lake City that "I am losing altitude at 10,000 feet and at present time unable to maintain 12,000."

Twelve thousand feet was his minimum scheduled altitude. Then, between 2 and 3 p.m. rancher Robert Hodges heard a "boom and a roar." Because of the snowstorm he could see nothing.

The plane had hit the highest peak in the area, a steep snow-covered peak towering over a valley of sagebrush.



### WIND TUNNEL TEST

Manuel I. Cruz checks the installation of a test model in Texas A&M's 7 x 10-foot wind tunnel. The 600-pound Boeing TFX will be subjected to 200 knots air flows in a sophomore aerospace engineering lab. A graduating senior, Cruz has conducted helicopter load and delta wing aerodynamics research in the tunnel.

# Cruz Family Graduates Without Regard To Age

The children of Manuel A. Cruz of San Antonio don't read calendars.

Manuel, the oldest, is a senior aerospace engineering major at Texas A&M University. He will graduate early and have half the required course work for a masters when he gets the bachelor degree Jan. 20.

Cruz is one of seven children of Manuel A. Cruz, 722 Augusta, San Antonio, an Army corporal in the Bataan death march in World War II. The civilian employee at Kelly AFB was a prisoner most of the war. He attended Texas A&I on the GI bill and believes in education at any cost.

"My father said a person is capable of anything if he works hard," Manuel I. Cruz remarked. "I like to study."

He graduated a year ahead of his class at Martin High in Laredo and set a Cruz precedent. Three sisters also refuse to abide by the regular academic calendar.

Rosa Elia is studying nursing at a Houston clinical center after two years at Texas Woman's University. Lili Esther gets her Martin High diploma ahead of schedule this month and Leticia will also complete high school early, in August.

"At the beginning, I wanted a military career," Manuel said. He had an alternate appointment at the U. S. Naval Academy.

But then he got into the meat of aerospace engineering and found aerodynamics fit his slide ruler better than the headline indicator.

The student who will be 21 years old Monday (Jan. 15) was in the Corps of Cadets two years but outdistanced his '68 classmates by attending summer

school. Cruz is taking graduate courses as an undergraduate.

After a brief break for graduation, he will enroll in graduate school and start his thesis literature survey.

Manuel says the earliest he can complete the advanced degree work is August — just three months after his normal graduation date.

Roommate of Charles P. Brown, also a graduating aerospace engineering major from San Antonio, Cruz didn't let speed detract from the quality of his work.

"Cruz is a sharp student," noted Charles A. Rodenberger, as-

sociate professor of aerospace engineering.

Manuel has a 2.51 grade point ratio (3.0 is perfect). His grades are tops among the dozen "aeros" graduating this month.

In addition, he worked on summer department research projects. In 1966, Cruz helped design a supersonic wind tunnel. Last summer, he assisted in Bell Helicopter research for stabilizing bulky loads carried in slings beneath helicopters.

The fledgling engineer has investigated delta wing aerodynamics, wrote a research course paper on leading edge separation and plans his thesis in that area.

# College Presses Big Business, More Than 6,500 Publications

College students spend about \$61,000,000 to produce some 6,500 campus newspapers, yearbooks and magazines every year. And the press runs of the student media total 15.7 million copies.

These estimates of the breadth of the student press effort in the United States have been made by Dr. Dario Politella of the University of Massachusetts. His "Directory of the College Student Press in America" has just been published.

The 200-page volume lists 1,742 newspapers, 1,398 yearbooks and 632 magazines.

Based on these data, Dr. Politella says that "There must be at least 2,600 newspapers produced by the students with press runs that reach 8,000,000 issues, as well as 4,500,000 yearbooks and 3,200,000 magazines of various types."

The UMSS journalism professor also estimates that student

newspaper staffs operate on budgets of \$35,000,000 a year; and yearbooks spend \$25,000,000; and magazines, \$1,000,000.

"Of course, these money figures reflect only their out-of-pocket spending," Dr. Politella says. "If one estimates the cost of unrewarded labor of the students themselves and that of their faculty advisers, the annual cost of producing student publications on the American campus may well reach the half-billion dollar mark."

Assisted by members of the National Council of College Publications Advisers in the 50 states, District of Columbia and Puerto Rico, Dr. Politella has included the names of faculty advisers, both business and editorial, as well as financial information for the publications.

Divided into sections listing each type of publication by states, entries include the vital statistics of the local of the school, zip code and enrollment. Besides the name of the publication, listings include year established, physical size of the publication, amount of press run and annual budget.

Copies of the Directory are available at cost from the Executive Director of NCCPA at Indiana State University, Terre Haute 47809.

# Analysis Outlined For Model School

What makes a model school a pattern for other schools?

Factors are explained in an article, "Criteria of a Model Secondary School," co-authored by a Texas A&M education professor in a December educational journal.

Various agencies identify a "model school" as one that represents excellence in education and which may serve as a model or pattern for other schools.

Dr. Roger L. Harrell, A&M education professor, and George Nelson, also a U. S. Office of Education Scholar for a year, list criteria in the Association for Supervision and Curriculum Development journal, "Educational Leadership."

The authors' field experience, visits and interviews while with the USOE found model schools have outstanding philosophy and objectives, commitment to improvement, organization and facilities, program and community relations. Guides are given for assaying a subject school.

Harrell is chairman of secondary education in the A&M department and former director of curriculum and instruction in Santa Fe, N.M., schools.

Inquiries and comment about the measuring device have been received from a California school district and Chicago railroad company law department.

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Wanted, two registered nurses for supervisor on 3 to 11 shift at Madison County Hospital, Madisonville, Texas. Excellent Salary. Call collect, DI 8-2431; Miss Gloria Rice or Mr. E. G. Clark. 465tfn

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**OFFICIAL NOTICE**  
Official notices must arrive in the Office of Student Publications before deadline of 1 p. m. of the day preceding publication.

At 8 a. m. Thursday, January 18, 1968, there will be posted in the foyer of the Richard Coke Building a list of those candidates who have completed all academic requirements for degrees to be conferred on January 20, 1968. Each candidate is urged to consult this list to determine his status. 498tfn

Preveterinary Medicine Students. All students who expect to register in pre-veterinary medicine for the Spring Semester 1968 must have their courses approved by their Academic Advisor. A form signed by the Academic Advisor and listing approved courses must be presented at graduation. 521tfn

**THE GRADUATE COLLEGE**  
Final Examination for the Doctoral Degree  
Name: A. H. M. Alfaf  
Degree: Ph.D. in Plant Breeding  
Dissertation: Effects and Relationship of Wheat Seed Size and Dimensions upon Yield, Yield Components, Test Weights and Milling Yields at Different Fertility Levels, Seed Rates and Environments.  
Time: Friday, January 12, 1968 at 2:00 p. m.  
Place: Room 202 Agronomy Building  
Wayne C. Hall  
Dean of Graduate Studies 52144

**THE GRADUATE COLLEGE**  
Final Examination for the Doctoral Degree  
Name: Arnold, Connie Ray  
Degree: Ph.D. in Oceanography  
Dissertation: The Lipids of Selected Organisms of the Sargassum Community from the Gulf of Mexico.  
Time: Friday, January 12, 1968 at 2:00 p. m.  
Place: Room 305, Goodwin Hall  
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**GRADUATE RECORD EXAMINATION**  
Registration for the tests will begin on Jan. 9 and will continue through Jan. 12. Those wishing to apply for the GRE should pick up an application blank from the Graduate College and pay \$5 to the Fiscal Office. The receipt for the fee and the completed application should be taken to the Counseling and Testing Center in order to register for the tests. Applicants will be notified approximately one week before the test is administered, and will be told where and when to report. The Aptitude Test will be administered on Feb. 9, and the Advanced Test will be on Feb. 19. These tests are also required in order to graduate. 520tfn

Those undergraduate students who have 95 semester hours of credit may purchase the A&M ring. The hours passed at the time of the preliminary grade report on November 13, 1967, may be used in satisfying the 95 hours requirement. Those students qualifying under this regulation may leave their names with the Ring Clerk in the Registrar's Office, in order that they may check their records to determine their eligibility to order the ring. Orders for the rings will be taken between November 27, 1967 and January 5, 1968. These rings will be returned for delivery on or February 16, 1968. **THE RING CLERK IS ON DUTY FROM 8:00 a. m. TO 12:00 NOON, MONDAY THROUGH FRIDAY, OF EACH WEEK.** 498tfn

**Regalia for the January 1968 Commencement Exercise**  
All students who are candidates for the degree of Doctor of Philosophy or Doctor of Education are required to order hoods as well as the Doctor's caps and gowns. The hoods are to be left at the Registrar's Office no later than 1:00 p. m., Tuesday, January 16 (this will be accomplished by a representative of the University Exchange Store). The Ph.D. or D.Ed. hoods will not be worn in the procession since all such candidates will be hooded on the stage as part of the ceremony. Candidates for the Master's Degree will wear the cap and gown; all civilian students who are candidates for the Bachelor's Degree will wear the cap and gown; ROTC students who are candidates for the Bachelor's Degree will wear the appropriate uniform. All military personnel who are candidates for the degree, graduate or undergraduate, will wear the uniform only. Rental of caps and gowns may be arranged with the Exchange Store. Orders may be placed between 8:00 a. m., Monday, December 11, and 5:00 p. m., Friday, December 22. The rental is as follows: Doctor's cap and gown, \$5.25; Master's cap and gown, \$4.75; Bachelor's cap and gown, \$4.25. Hood rental is the same as that for the cap and gown. A 2% sales tax is required in addition to these rentals. Payment is required at the time of placing order. 508113

**CRASH RESTRAINT BAG**  
An experimental self-inflating restraint system for cars is shown here in fully inflated condition. Plastic bag is designed, say Ford Motor Co. engineers, to inflate to full size within 40 thousandths of a second on signal from an impact sender. A dummy here demonstrates how passenger would be restrained. (AP Wirephoto)

**'Angry Young Men' Boycott Markets To Raise Returns**  
CORNING, Iowa (AP)—The National Farmers Organization, pledging "no price, no production," launched Thursday another campaign to boost agricultural prices by withholding farm products from market.

Initial target is grain, to be followed at later dates by so-called withholding actions on meat, milk and other farm commodities.

President Oren Lee Staley said the action "is designed to shut

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