



FORMER CORPS COMMANDER ORIENTS SENIORS

Lt. Paul Dresser, Corps Commander in 1963-64 and now stationed at the John F. Kennedy Special Warfare Center at Fort Bragg, N. C., talks with Army seniors after delivering a service orientation lecture last week.

Woman Scientist Returns From Antarctic Cruise

Trips to the Antarctic are becoming old hat for chemical oceanographer Lela Jeffrey.

Miss Jeffrey was one of three Texas A&M representatives who have completed a 60-day summer scientific cruise in the Scotia Sea, the body of water which separates South America from the continent.

Icebergs and penguins were familiar sights to the 34 scientists and 50 crewmen aboard the USNS Eltanin, a floating laboratory operated by the Military Sea Transport Service for the National Science Foundation.

The Antarctic cruise was the second within a year for Miss Jeffrey, a Teague native. She is in the midst of a two-year research project concerning dissolved matter and lipids in sea water.

That she was one of only two women aboard the ship caused Miss Jeffrey no concern.

"It was really a very civilized group," she chuckled.

Her female colleague was Sylvia Cerda, a scientist from the University of Chile in Santiago. Visits to three islands helped break the monotony of 12 to 15-hour work days.

"We discovered an old shack on the island of South Thule," she remarked. "It had some ruined food in it, so we filled it with survival food."

On another island — South Georgia — the scientists found a grave covered with large rocks. A crude cross fashioned from a broken harpoon marked the grave, but there was no nameplate.

"South Georgia was a small island covered with moss and salt grass," Miss Jeffrey continued. "It was bare of trees."

She said the island stops allowed a New Zealand researcher to snare new species of birds.

"The last island was so heavily

populated with penguins that I did not go ashore," the scientist elaborated. "There were thousands of them."

Other A&M personnel aboard the laboratory were Martin Arhelger, a graduate student, and Antone Vos, a technician. Arhelger is on another cruise. Vos is working on a biological productivity study for Dr. S. Z. El-Sayed, assistant professor of oceanography.

"Weather was of the shirt-sleeve variety much of the time,"

Miss Jeffrey noted. "Sometimes it dipped to freezing. Wind gust-ed up to 35 knots. Waves rose only one to eight feet most of the time."

In her campus laboratory, Miss Jeffrey is analyzing samples of krill . . . shrimp-like animals which provides food for whales . . . to determine food changes in the sea.

When is it back to sea again for the researcher?

"I don't really know," she smiled. "Maybe next year."

5 Scholarships Awarded By Manufacturing Firm

Five winners of Moorman Manufacturing Company Scholarships were honored recently at a banquet in the Memorial Student Center.

The event, sponsored by the firm, also was attended by eight A&M officials and professors. Representing Moorman were Dwight Graham of Troup, state sales manager; Jim W. Mitchell of Caldwell, district sales manager, and John H. Reat of Lexington, district sales manager.

Scholarships winners were Hubert E. Dornak of Wharton, majoring in agricultural engineering; John W. Phillip of Boerne, agricultural education; Robert B. Strange of Fort Worth, agronomy; Sidney F. Weber of Marion, range science, and Orval D. Walker of Bryan, plant and soil sciences.

A&M personnel were Dr. R. E. Patterson, dean of agriculture and director of the Texas Agricultural Experiment Station; Dr. R. C. Potts, assistant dean of agriculture; Dr. H. O. Kunkel, associate director of the Experi-



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Summer Program Slated For High School Seniors

Stress analysis for 30 talented high school seniors will be instructed by the Department of Mechanical Engineering faculty this summer.

The tightly-scheduled National Science Foundation program will provide a challenging experience for instructors, noted Dr. Clifford M. Simmang, department head.

The six-week course begins June 6 and coincides with the first session of summer school. The 30 boys, who will have just completed their junior year of high school, will reside in A&M dormitories. They will be screened from 300 applicants from across the country.

Classes six days a week will begin with simple concepts of stress, selected portions of calculus, theory of elasticity and photoelasticity. The youths will study analog computers and program their own problems in large digital computers.

"Experience gained dramatically suggests the worthiness of applying features of the program in regular university classes," Simmang remarked.

New material from an hour lecture at the beginning of each day will be exercised and worked out under faculty supervision. After a two-hour period of going over notes, solving problems and answering questions, students will take an exam over material presented that morning.

No home assignment will be made on the material, which will stress complete student attention and participation in class. Four hours each afternoon five

days a week will be devoted to laboratory work. Meanwhile, quizzes will be graded and evaluated by program director Dr. George H. Thompson, and Simmang, associated director.

Participants will work three hours a night in either the analog computer laboratory of the Mechanical Engineering Department or at the Data Processing Center.

Classroom instruction will be handled primarily by Dr. John V. Perry. L. D. Trainer will teach

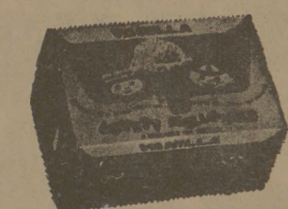
digital computer programming and E. I. Bailey will instruct theory and use of the analog computer.

Last summer's program showed that a strict schedule may be maintained and an intensive program of instruction given with considerable observed student growth, Simmang added.

"The lecturer is challenged to present somewhat advanced material to a quite uninformed audience in a very short time," he said.

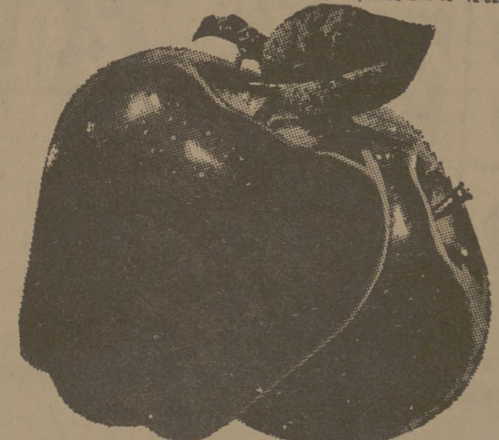
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Bulletin Board THURSDAY Graduate Chemistry Wives Club will meet at 8 p.m. in the Bank of Commerce. El Paso Hometown Club will meet at 7:30 p.m. in room 2C of the Memorial Student Center.

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