

## 9 A&M Students Receive Medals

Nine Air Force officers attending Texas A&M as graduate students hold newly-awarded medals. The officers won their medals for earlier achievements on far-flung assignments.

Presenting the medals in ceremonies this week was Col. Raymond C. Lee, professor of aerospace studies.

Capt. Roger F. Hansen won the Air Medal for service on 215 "highly critical missions of na-

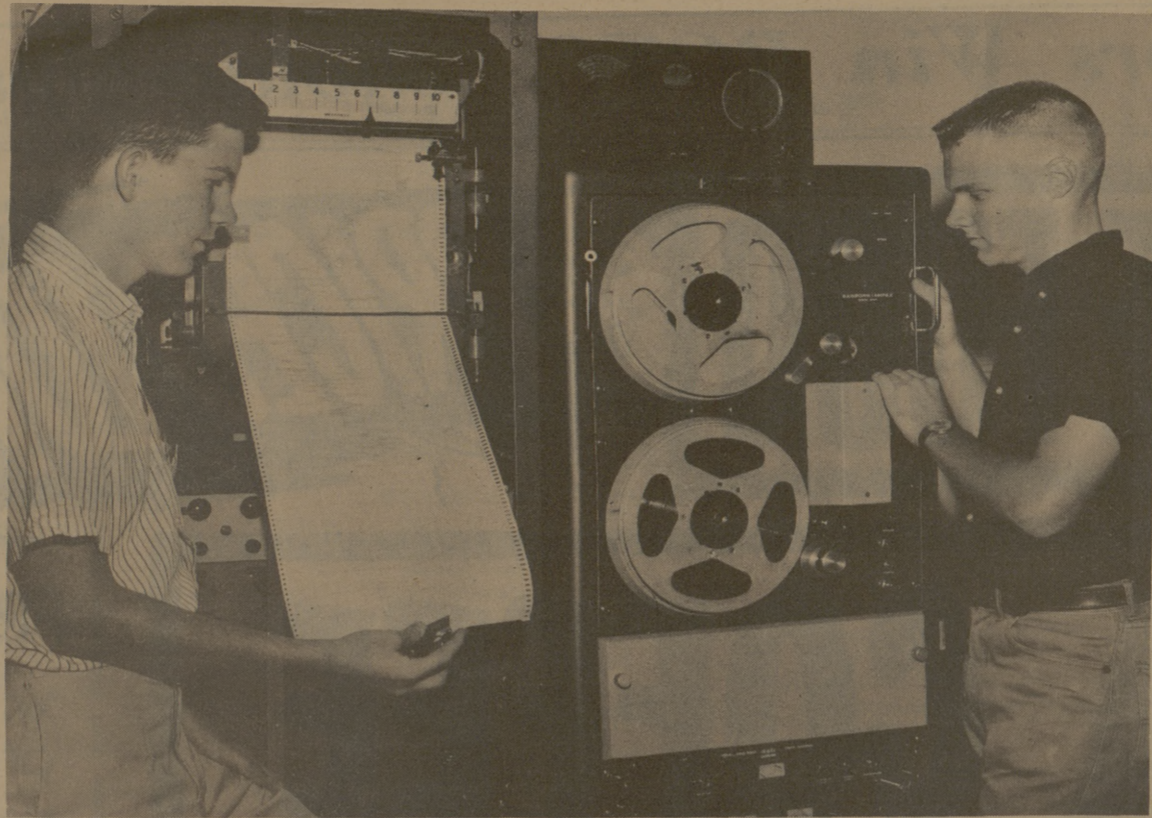
tional significance over extremely hazardous terrain and under marginal weather conditions." The more than 1,150 hours of flight time was logged over the European continent. Hansen is a mathematics student at A&M.

The First Oak Leaf Cluster to the Air Medal was presented Capt. Patrick L. Musmaker for service as a combat crew member in Viet Nam. He has just arrived at A&M to study for a master's degree in mathematics.

Four captains received the Air Force Commendation Medal. They are Phillip J. Wendt, a mathematics student; Jack K. Anderson, computer science; Robert P. Love, business; and Kenneth R. Meisinger, business.

Capt. John A. Neubauer received the Air Force Reserve Medal for 10 years active duty. He is a meteorology student.

Captains Jerome C. Jarnick and Frederic L. Sjostrom, Jr., received the Combat Readiness Medal. Jarnick is a business student and Sjostrom is studying aerospace engineering.



### SOUNDS FROM SPACE

Two high school students in the engineering science program at Texas A&M listen to recorded sounds and check a written chart. The recording is signals from a satellite. Pictured are Coleman P. Callaway of Corpus Christi and Jess B. Rhoden of Kerrville. The unique program for 33 young men from across the nation was sponsored by Texas A&M and the National Science Foundation. It ended Friday.

## High Schoolers Finish Science Program Here

The advantages of a challenging new program in engineering science have been proven at Texas A&M. Thirty-three young men from high schools across the nation participated.

They worked on stress problems in a pilot program of engineering science. The program is described as first of its type in the nation.

"The students worked on problems normally encountered only by advanced graduate students," Dr. J. George H. Thompson said. A professor of mechanical engineering, he directed the six-week summer program ended Friday (July 16).

A&M President Earl Rudder Friday awarded certificates of completion to each of the 33 young men. He presented similar certificates to 31 other high school students completing a program in the biological sciences.

Texas A&M and the National Science Foundation offered the six-week programs to be followed by others starting Monday (July 19).

Gist of the program was to use the scientific study of stress as typifying scientific application of knowledge by the engineering profession. Stress is defined in pounds per square inch as a measure of the intensity of load upon a point.

"Photoelasticity," a word probably never before heard by the

students until their arrival at Texas A&M, now is a common term for all. This means the use of special lighting and photos to evaluate stress.

"We've tried to give the students a spirit of scientific method and the feeling of discovery and accomplishment as they worked," Dr. Thompson said.

A number of A&M faculty members have helped.

Bob Smith and his staff at the Data Processing Center played "a major role" in formulating and executing the problems of the young men.

Also playing important roles in the program were Professors C. M. Simmang, C. H. Sams Jr., Theodore A. Noyes and Edwin S. Holdredge, in addition to Smith and Dr. Thompson. C. M. Loyd is coordinator of NSF programs at A&M.

Each student prepared a report then did a program involving use of the sophisticated IBM 7090 Digital Computer. They also learned the uses of analog computers.

Each student went to class every morning except for Sunday. Each afternoon except for weekends was spent on a research assignment. These were in some engineering or scientific laboratory on A&M's main campus or at the Research and Development Annex.

## 8 Summer Grads Due Commissions

Eight students who completed undergraduate studies at Texas A&M have now met all requirements for commissioning as second lieutenants in the Air Force Reserve.

The new lieutenants will take the oath of office this month.

They include Warren Harrison, Larry Henton, William Evans, Greg Mann, Anthony Rosch, Charles Hare, Roger Van Wagner and Raymond Gregory.

## SUMMER GOODS



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## Campus Briefs

### Federal Official A Speaker Here

Assistant Secretary of Agriculture George L. Mehren discussed one of the most sensitive spots in the beef cattle industry here Monday—the orderly and dependable marketing of beef and other foods.

The U. S. Department of Agriculture official, a speaker during the third Coordinated Beef Improvement Conference July 18-20 at Texas A&M University, said there is relentless pressure toward more regularity, dependability and more systematic order in marketing of all foods, beef in particular.

About 500 leading stockmen, economists, editors and meat processors and distributors heard the secretary describe how standardization and narrow specification of quality are changing the whole marketing picture.

"All this pressure for reliable, systematic marketing — turned out to specifications like nuts and bolts—is in basic conflict with the anatomy of live critters and the biological processes of their production," Mehren said. "Much can be done genetically and by ranch and feeding operations to get uniformity. Yet, beef cattle simply do not come in standard sizes and shapes."

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Texas A&M Exchange Store Manager Carl E. Birdwell is mentioned more than once in the new issue of "The College Store Journal." The National Association of College Stores publishes the semimonthly journal.

Birdwell is pictured among the association past presidents receiving Honorary Life Memberships at the 42nd annual meeting.

Elsewhere the Journal contains news of the appointment of Charles R. Cargill to succeed Birdwell effective Sept. 1. Birdwell's retirement will close a 40-

year career in the college store field.

The Journal also carries a photograph and news item about Navy Comdr. Carl Birdwell, Jr. receiving the Distinguished Flying Cross for bombing missions over North Viet Nam from a United States Navy aircraft carrier.

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The appointment of Charley Wootan as associate executive officer of the Texas Transportation Institute, effective next Sept. 1, has been announced by Fred J. Benson, Dean of the College of Engineering at Texas A&M University.

Wootan who is presently head of the Transportation Economics Department in the Institute, will continue in that position and also serve with Charles J. Keese executive officer of the institute in administration of the huge TTI research program.

Wootan holds B.S. and M.S. degrees in Agricultural Economics from Texas A&M and is presently completing requirements for the Ph.D. degree in the graduate school. He has worked

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Ralph Bowers of Palacios has been elected first vice president of the National Association of Student Branches of the American Society of Agricultural Engineers.

His election came during the Society's annual meeting in Athens, Ga. Bowers, an agricultural engineering major at Texas A&M, is president of the A&M Student Branch for the 1965-66 school year.

Four other A&M agricultural engineering students also attended the meeting. They were Daniel (ck) Haile of Hico, Lance Horton of Tenaha, Eugene Lindeman of Brownwood and Robert Chenoweth of Donna.



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