# **Austin Confab** To Discuss Ag Problems

AUSTIN — Leading spokesmen for agriculture, industry and government will participate in Texas Farm Bureau's 34th annual convention Nov. 12-15 at the Terrace Motor Hotel Convention Center

They will speak Monday afternoon, Nov. 13, at special discussion conferences dealing with matters of particular interest to Texas farmers and ranchers.

Morris Atlas, McAllen, attorney for La Casita Farms of Rio Grande City, will discuss "Current Labor Developments in the Rio Grande Valley" at the Farm Labor Conference. Atlas represented La Casita in recent labor hearings by the Senate Sub-Committee on Migratory Labor at Rio Grande City and Edinburg.

Texas Commissioner of Agriculture John C. White will talk on "Regulatory Programs for Texas Agriculture" during the Field Crops Conference.

"Does the Formula for Allocation of Farm-to-Market Road Funds Need Updating" will be the subject covered by DeWitt Greer, State Highway Engineer, Texas Highway Department. Also at the Transportation, Communications and Utilities Conference, James A. Morriss, information director, Texas Electric Cooperatives, will discuss "Where Do Electric and Telephone Cooperatives Turn for Necessary Fraining?" During the same conference, "Problems in Transportation of Agricultural Products" will be discussed by F. P. Bohanon, Houston, Southern Pacific and Jack C. Bryan with the Texas Motor Transportation Associ-

At the Livestock Conference, Dr. Paul Ludwig, Dow Chemical Company, will talk on grub control in livestock. A progress report on the Diagnostic Laboratory to be built at Texas A&M will be presented by Dr. Fred D. Maurer, assistant dean of A&M's Veterinary Medicine School. Dr. James E. Henderson, executive director, Texas Animal Health Commission, will give the current status of the Hog Cholera Eradication Program in Texas. Farm Bureau's Livestock Marketing Program will be discussed by Myron Hillman, TFB livestock marketing specialist.

At the Service Conference, William Hunter McLean, chairman, State Board of Insurance Commissioners, will talk on "Federal Encroachment in the Insurance Industry." Two progress reports on Farm Bureau service programs will be included during this conference. A. R. Grauer, TFB program development director, will report on Farm Bureau's Safemark sales service program. A look at Farm Bureau's marketing activities will be given by Walter Meyer, TFB commodity

Herbert E. Harris II, Washington, D.C. legislative counsel for the American Farm Bureau Federation, will speak at the Dairy Conference. "Status of Current and Proposed Water Legislation" is the topic to be covered by Cliff Laywell, TFB assistant legislative director, during the Natural Resources Conference.

Poultry Conference speaker is TFB Poultry Specialist W. E. Pearcy. He will discuss Farm Bureau's activities in the poultry industry. W. C. Wedemeyer, research and education director for Texas Farm Bureau, will speak at the Research and Education Conference



OUTFIT PICTURES AGGIELAND '68

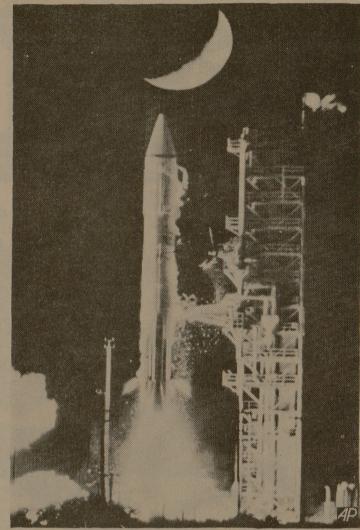
Uniform will be Class A winter. Oufit C.O.'s will wear sabers; seniors will wear boots and bers; seniors will wear boots and midnight shirts. Guidons and award flags will be carried. All personnel in the outfit will wear the billed service cap issued by the university. The type of cap worn by underclassmen to and from the picture taking area is left up to the discretion of the outfit C.O.

Outfits should be in front of the Administration Building by 7:30 a. m. on the appointed day.

Nov. 6 — C-1 & D-1 7 — E-1 & F-1 8 — G-1 & Sqdn. 1 9 — Maroon Band 10 - White Band 13 — Sqdn. 2 & 3 14 — Sqdn: 4 & 5

16 — Sqdn. 8 & 9 17 — Sqdn. 10 & 11

14 will be scheduled for the first week of December by C.O. with University Studio.



SURVEYOR RACING FOR THE MOON This double exposure shows the Surveyor spacecraft as it was boosted toward an intended soft landing on the moon by an Atlas-Centaur rocket. Surveyor 6 carried a television camera and a small automatic chemistry set to analyze the lunar soil. Blastoff was from Cape Kennedy, Fla. (AP

## Classes Taught By Phone

mathematics and English are being transmitted to 15 school districts surrounding Texas A&M via an electronic "blackboard-bywire" teaching system developed by Sylvania Electric Products Inc., a subsidiary of General Telephone & Electronics Corporation.

The blackboard-by-wire system transmits voice communications and handwriting over telephone lines for long-distance illustrated lectures. The Texas system is being operated over a 70-mile radius by Creative Application of Technology to Education (CATE) Center, a pilot project financed by a Federal grant to the A&M Consolidated School District. The instruction supplements regular classroom teaching.

GRAPHIC AND audio material originates at the CATE center on the A&M campus and A&M Consolidated High School, both in College Station, S. F. Austin High School in Bryan, Texas, and Rockdale High School. Material is transmitted over leased telephone lines to audio and TV display equipment in the other school districts.

The control center for the system is in the telephone operating territory of General Telephone Company of the Southwest, another General Telephone & Electronics subsidiary. Points served go.' by General Telephone Company of the Southwest on the teaching network are S. F. Austin High School, Kemp High School and Allen Academy in Bryan; the CATE center and Consolidated High School in College Station, and schools in Caldwell, Somer-

ville and Snook, all in Texas. Other points on the CATE network are Brenham, Cameron, Crockett, Navasota, Hearne, Rockdale, Madisonville and Huntsville.

"IN EMPLOYING master teachers, the CATE project is able to make available excellent teaching in conjunction with wellplanned lessons, incorporating carefully devised materials to schools along the network whose budgetary limits cannot be stretched to provide these courses otherwise," Dr. Thomas J. Moffett, CATE Center Director, said. "The effect is an expanded curriculum delivered by the most competent teachers available." Blackboard-by - wire transmis-

High school classes in physics, sion over leased telephone lines costs significantly less than transmission of closed-circuit TV. For example, in one recent demonstration of blackboard-by-wire linking of a university in New York with a college in Kentucky it was found that closed-circuit TV transmission between the two points would cost \$1,450 for a single hour without two-way audio. However, leased telephone lines for blackboard - by-wire transmission between the two points cost \$310 for a full 24hour period.

> The blackboard-by-wire concept was developed by General Telephone & Electronics in early 1914. Experimental systems using an electromechanical writing unit and conventional audio and projection equipment subsequently were tested by General System telephone operating companies at Texas A&M, along with Stephens College and other colleges and school systems.

## **Aero Students** Propose 'Feeder'

A Texas A&M student proposal for an air feeder freighter is de-

signs A Feeder Freighter," reviewed student team procedure of the Aerospace Engineering Department and proposal development including design, engineering, economic feasibility and

manufacturing. The proposal described a "fast loading container air-freighter' which would accept a standardized trailer truck container eight feet by eight feed by 40 feet and costing \$986,000 to build. Computations indicated the craft will carry a 30,000 pound payload at nine

cents a ton mile. The student team was composed of Capt. John P. Pensasack, Air Force officer; David C. Reynolds of Houston; Wilfred C. Dorn Jr., Randolph AFB; Thomas Doyle, Highland, Ind.; C. T. Osburn Jr., St. Louis, Miss., and J. R. Kickliter, Houston. All graduated except Doyle and Kickliter.

Prof. Charles A. Rodenberger instructs the senior design course.

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Pictures for the club sections of the Aggieland are now being scheduled at the Student Publications Office, Y.M.C.A. Building.

### THE BATTALION

# College Policemen To Meet On Campus

Association of College and University Traffic and Security Departments Nov. 29-30.

Edward E. Powell, A&M campus security chief and association president, said more than 50 representatives from 34 universities, senior and junior colleges in Texas and New Mexico are expected for the conference.

A feature of the meeting will be discussion of new campus security laws covered in Senate Bill 162. Nola White of the Texas Attorney General's Office will answer questions following the

Homicide investigation will be the topic of Ira E. Scott, coordinator of police training for A&M's Engineering Extension

ANOTHER FIRST day speaker will be Brazos County Judge William R. Vance. He will cover laws regarding athletic ticket scalping. Chairing a panel discussion of

# **Prof Attends Arkansas Meet**

Dr. Virgil E. Christensen of Texas A&M will participate in an Arkansas conference next week for development of a device to measure high school students' occupational interests.

The A&M education professor will serve as research design consultant at the three-day exploratory conference. The University of Arkansas education department and State Department of Education support development of the research instruments, which will measure student occupational interests, career choices and influencing factors.

Christensen has consulted in Arkansas programs the last two years through U.S. Office of Education connections while at Ohio State. He is director of funded programs and research for A&M's Education Department, headed by Dr. Paul Hensarling. nesday.

campus security laws will be William L. Purse, assistant campus security chief for the University of Texas. Panelists include Bobby N. Hudson, chief, West Texas State University, and S. K. Jennings, chief, New Mexico State University.

Among featured speakers for the second day are Dr. T. Paige Carruth, Student Life dean at West Texas State University; Bill E. Caffee, police and fire protection director at Southern Methodist University; and N. K. Woerner, statistical services manager for the Texas Department of Pub-

CAMPUS POLICE problems at small universities, colleges and junior colleges is the subject of a panel headed by George E. Doughty, campus security director, Dallas County Junior College. Panelists include Joseph E. Powell, vice president of business affairs, Hardin-Simmons University, and H. A. Connor, campus security chief, Texas A&I Col-

Wallace D. Beasley, director of the Texas Commission on Law Enforcement Officers Training and Standards, will discuss plans for minimum standards for law enforcement officers.

#### D. C. Group Sets **Christmas Flight** Spending Christmas in Wash-

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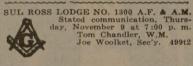
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cribed in the October "Air Caro."

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The article, "Texas A&M Deigns A Feeder Freightor"

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THE GRADUATE COLLEGE THE GRADUATE COLLEGE
Final Examination for the Doctoral Degree
Name: Fritsche, Herbert Ahart, Jr.
Degree: Doctor of Philosophy in Chemistry
Dissertation: Electrochemical Investigations in Aqueous and Nonaqueous Solvents; Part I: Polarographic Diffusion
Coefficients; Part II: Electrochemical
Investigation of Gadolinium.
Time: Saturday, November 11, 1967 at
10:00 a. m.
Place: Room 231, Chemistry Building
Wayne C. Hall
Dean of Graduate Studies 49844

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 she 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 15, 1968. THE RING CLERK IS ON DUTY FROM 8:00 a, m. TO 12:00 NOON. MONDAY THROUGH FRIDAY, OF EACH 498tfn

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