

Ag Students Name Leaders

Officers of the 1968-69 Student Agricultural Council were elected recently after a supper at the home of Dr. R. C. Potts, Associate Dean of Agriculture for Instruction.

Sam Reeves, a senior wildlife science major from Beaumont, was elected chairman of the council. He is president of the Fish and Game Club.

Vice-Chairman is Kenneth Graeber, junior from Brenham. Graeber is an agricultural economics major representing the Agricultural Communications Club.

Diane Ruedich, a senior floriculture major from Marion, is the secretary. She is president of the Floriculture Club. Howard Hicks was elected treasurer. He is a senior from Bandera and president of the Agricultural Economics Club.

Tom Curl, a junior agricultural journalism major from San Juan, is the council reporter. Curl is president of the Agricultural Communications Club.



POLYGRAPH INSTRUCTION

Albuquerque, N. M., police detective Don Fuller (right), take a close look at the piece of equipment he will intimately become acquainted with during the next six weeks. It is a polygraph machine, commonly referred to as a lie-detector. Discussing procedures with him is A&M Police Training Division instructor Art Butler.

Meteorologists Use New Yegua Tower

New sounds have invaded quiet clearing in remote woods of East Central Texas.

Now competing with the sighing of wind in scrub and pin oak, black jack and persimmon trees is the steady hum of air blowers. Birds chirp against the background chatter of a typewriter.

When two micrometeorological stations are calibrated and functioning properly, only an occasional visitor will disturb the tranquil scene.

A 108-foot high tower that throbs with electronic life and a large trailer van have become a part of the East Yegua Creek watershed country.

Electrical pulses that flash along a bundle of cables from tower to van may aid the quest to more accurately predict weather.

Two of the micrometeorological stations between Lexington and Caldwell will be operated by Texas A&M's Meteorology Department as part of Project Themis, Department of Defense-funded multi-pronged research program at A&M.

Stations on H. H. Cauffield and W. C. Stegmiller land produce a Waco phone book-size volume of data daily on wind speed and direction, soil temperature, relative humidity and insolation, amounts of solar radiation.

Whirling anemometers measure wind speed at one-quarter, one-half, one, two (four, eight, 16 and 32 meter levels. At the same distances above ground are dry-wet bulb thermometers. Cables that disappear into the ground at the foot of the tower take soil temperatures at three, six, 12, 25, 40, 65 and 100-centimeter depths.

Electronic apparatus in the van takes data from 25 instruments

on the tower and a pyrhelometer on a 12-foot tall "goal-post." It is printed out automatically on an IBM typewriter and can be perforated onto tape for direct computer input and analysis.

The automatic stations will be checked daily by George Hines, department technician. John C. Koher, electronics technician, makes major repairs. Two stations about eight miles apart are being set up by a crew headed by Robert Rogers, research engineer with Dr. William H. Clayton.

The meteorology professors will use data to verify simulated atmospheric models.

"We'll try to use it," noted Dr. Vance E. Moyer, Meteorology Department head. The department operates the stations that were

designed, built and utilized by Clayton in his 1960-62 Dallas tower project.

Data taken is at the micromet scale, which is to the overall weather of an area as a leaf is to a forest.

"This is more search than research for us," Moyer went on, "We'll be looking for ways to tie in with our research in the watershed."

The East Yegua basin is located at optimum range for meteorol-

ogical study with the department's dual beam radar system, also part of Project Themis. The East Yegua is covered by a network of stream and rain gauges to correlate rainfall and runoff with radar findings.

The micromet stations are below the radar beam, which is line of sight. Meteorologists have yet to "tie" together weather up where clouds tumble and thunderstorms roll to that within 100 feet of the ground.

Ransdell Files For Holleman's Council Office

Cliff H. Ransdell has announced his candidacy to fill the unexpired term of the late City Councilman Theo R. Holleman.

Ransdell, a resident of College Station for 31 years, is currently Assistant Dean of Engineering at the University.

In making his announcement, Ransdell stated that, if elected, he would work for continued growth of the community on a sound financial basis. "With the growth in our city, I am aware of the many problems which confront us," he said, "and accept the challenge to be a part of the administration guiding its direction."

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Ag Enrollment Up

Total enrollment in the College of Agriculture amounts to 2,431 students for the fall semester compared to 2,215 a year ago.

Dr. O. H. Kunkel, dean of agriculture, said the College of Agriculture is ranked Number 2 in enrollment, with the College of Engineering in first place. The College of Agriculture has just above 18 percent of the University's total enrollment.

Of the 2,431 for all students in the College of Agriculture, 1,661 are undergraduates. At this time last year, undergraduates numbered 1,560.

Kunkel emphasized that the College of Agriculture enrollment figures do not include students enrolled in pre-veterinary medicine. Other land-grant institutions do place such students in agricultural enrollment.

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