

Wofford Cain Gives Award To 75th Opportunity Winner

The seventy-fifth Aggie to win has received congratulations. But an Opportunity Award Scholarship Richard G. Spitzer, a freshman given by Wofford Cain of Dallas from Clifton, won't be the last honored for Cain has regularly given several scholarships a year for 20 years and plans to continue the practice.

Cain individually has given more scholarships to A&M students than any other person with the Association of Former Students giving the most of any organization.

The scholarship given by Cain are valued at \$1,000 and are disbursed over a four-year period at the rate of \$250 a year.

The Dallas industrialist also has influenced "lots of others to provide scholarships for worthy A&M students," a fact in which he takes real pride.

The Dallas resident credits E. E. McQuillen, now retired, with "selling me on the idea of giving scholarships." McQuillen served with distinction as executive secretary of the former students association and then became development officer.

"It's hard to say how many men he has inspired to give scholarships," McQuillen said of Cain. "At least a dozen."

Cain is board chairman of the Southern Union Gas Co., one of the largest natural gas producing and distributing concerns in the Southwest. He also has filled other posts in industry while through the years being a stalwart supporter of Texas A&M.

Cain was among the four eminent and loyal Aggies honored Saturday by the Association of Former Students and A&M.

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Edward Bellow Ross Volunteers



Howard Davis



Don Neumann Singing Cadets



James Ferguson Tau Beta Pi



Richard Novoy



SPECTROPHOTOMETER AT WORK Mrs. Janet Jones, Mrs. Sue McKnight and Bill Hoover look on.

Analytical Service Gets Spectrometer

The A&M Agricultural Analytical Service has installed a coldly efficient electronic machine which is taking most of the time and tedium out of standard "wet chemistry" detection methods.

Known as an atomic absorption spectrophotometer, the apparatus has an array of glowing tubes, dials, gauges and switches that makes it look like something out of science fiction.

But there is nothing fictional about the equipment's purpose and operation. Bill Hoover, head of the fertilizer section in Analytical Service, said the spectrometer enables technicians to do a matter of minutes what formerly took days or even weeks.

"This machine is to us the electronic computer is to chemists," Hoover emphasized. "It cost our department about \$10,000, but we figure it a good investment in terms of time saved and accuracy."

The machine analyzes a substance qualitatively and quantitatively, as the chemists say, means that it tells what is in it and how much.

Hoover said Analytical Service uses the spectrophotometer for metallic elements, such as copper, zinc, cobalt, manganese and iron. Sample preparation involves dissolving the substance in an acid solution, takes 15 to 20 minutes. Then the machine analyzes, and the findings are out in about five minutes.

"With the usual chemical analysis methods, it can take one or two to three weeks to determine the metallic elements qualitatively and quantitatively," Hoover said.

Hoover said the spectrophotometer is amazingly accurate. The lower limits of measurement can detect 10 parts per billion to 100 parts per billion. At a convenient working range is one-tenth part per million to 200 parts per million.

"The time factor, plus the fact that the sample can be analyzed for many elements without the usual separation, makes this a remarkable piece of laboratory equipment," he said. "We use it to analyze on feeds, forages, fertilizers, pesticides and soils."

Very briefly, here is how the machine works: A light beam is produced of kind of element to be determined. The light passes through a standard gas flame that is burning an atomized sample. The amount of light absorbed by the sample is determined by a spectrometer and recorded on a recorder.

The new serge-like uniforms which were to have been issued to Cadets in September are expected to be ready to issue by Nov. 12, said Wesley E. Donaldson, director of Purchasing and Stores.

CAMPUS BRIEFS

Alpha Zeta, Ag Fraternity Initiates New Members

The Texas Alpha Zeta Chapter, an honor society for outstanding students in agriculture at A&M has begun the initiation of prospective members this week.

Part of the initiation this week is the wearing of a foot-long wooden key and pin around the neck. In addition the prospective members have to obtain the signatures of 20 members and 20 alumni, who are members, on the back of the key and pin, said Dr. R. C. Potts, assistant director of agricultural instruction.

The purpose of wearing the key and pin is to recognize prospective members and to cause people to ask about the fraternity, he said.

The final initiation of the prospective members will be Monday night.

This fraternity is mainly an organization in land grant institutions, Potts said.

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The Bryan Boy's Club is ranked among the top five in the Southwest Area, the club director told a meeting of the College Station Kiwanis Club Tuesday noon in the Memorial Student Center.

Ronald Hale, director of the Boy's Club, outlined the program. Hale said the club has been in existence for five years and has a membership of over 900 boys. These boys range in ages from 7-17. They are taught guidance, arts and crafts skills and sports.

Hale is hoping that by the end of the year they will have over 1,000 boys in the organization.

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More than 200 high school Future Farmers of America will participate in Area III District

One leadership contests here Tuesday from 9 a.m. until 2 p.m.

The A&M Collegiate FFA Chapter is responsible for conducting the leadership contests.

Twelve high school FFA Chapters will participate in six different contests: junior chapter conducting, senior chapter conducting, junior farm skills, senior farm skills, farm radio contest, and FFA quiz, said Bill Irick, Collegiate FFA adviser.

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A&M has again been designated as a military college, following the annual joint inspections of military colleges by Army and Air Forces teams.

President Earl Rudder was advised of the designation in a letter from Colonel Benoit E. Glawe, chief of staff of the Air University of the United States Air Force at Maxwell Air Force Base, Alabama.

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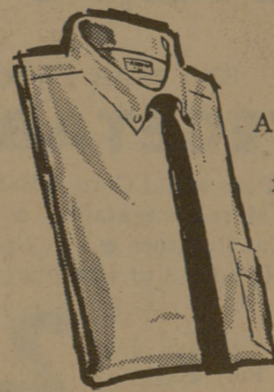


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