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TICKET-SELLERS FOR SPECTACLE

... girls sell ducats for Kyle Field observance

Enrollment Increase Continues Upswing

Summer Total Up 228 Students

Registration for the first term of the Summer Session at A&M continued the College's trend of increased enrollment compared with the previous year.

Enrollment for the first term of the Summer Session was reported recently by the Registrar as totaling 2,722 students, an increase of 228 students over the comparable period a year ago.

Summer term classes began Tuesday, June 5, but registration continued until Thursday, June 7.

The total figure includes 168 students enrolled in the Adjunct program at Junction, and 203 women students on the main campus.

The sessions at the Adjunct run concurrently with the terms on the main campus and the figure given is for the first session only.

The coeds attend classes as any students, but with the exception of those married to Aggies, are not housed in college dorms or apartments.

Last year coeds desiring to live in a college dormitory were housed in Henderson Hall, the air-conditioned, carpeted athletic dorm; however, no coeds reside on campus this year.

The enrollment trend has been one of increase in recent years and A&M enrollment for the fall and spring semesters of the 1961-62 year was higher than it has been since the initial influx of World War II veterans attending under the GI Bill immediately after the war.

The increase continues in spite of recent toughening of admission policies at the College. Only those students who are in the upper three-fourths of their graduating class may be admitted without entrance exams. Those high school graduates who are in the lowest quarter of their class are admitted only upon demonstration of their ability to do college work by a battery of tests.

Of the enrollment trend, president Earl Rudder said, "This indicates that as we move toward programs of excellence at A&M, we need not fear losses in enrollment."

The working relationship between the institute and the Data Processing Center, which is one of the outstanding such centers on an American campus, is expected to be close. The Texas Commission on Higher Education had previously authorized the Master of Science degree program in Computer Science at A&M. The two programs will be mutually beneficial and complementary.

At that time, all available rooms were filled to capacity and 300 rooms had more than the usual 2 students per room.

Each dance is scheduled to begin at 8:30 and last until 11:30 p.m., according to Hite. Admission to the dances is fifty cents per person and refreshments are available, he said.

The dance, held in the MSC Ballroom, lasted from 8:30 to 11:30 p.m. Music was provided by a group called "Pruitt's Quartet."

"We have two musical groups which will play at our dances," Hite said. "There's Pruitt's group and we also have Dick Baldauf's Combo."

Hite said that the two bands will alternate weekly appearances. Pruitt's band played last Monday and Baldauf's Combo will play next Monday. They will alternate this way until the 20th of August, the night of the last scheduled dance of the series, according to Hite.

"Most of our dances will be held in the MSC Ballroom, but occasionally, we will be moved to the Assembly room, when another group has reserved the Ballroom," said Hite.

"But," he continued, "no matter where it is, we plan to hold a dance every Monday night through August 20, even on July 16, the day of registration for the second semester."

STUDENTS ENJOY FIRST DANCE ... weekly series to continue through summer



PLAY AUDITIONS UNDERWAY

These are only several of the many students who participated in the initial rehearsal for "Anything Goes," the summer presentation of the A&M summer entertainment committee. The operetta will be staged in Guion Hall July 12-13. (Photo by Ronnie Fann)

Stat Degree Program Set For Grads

A&M will offer graduate degree programs in statistics, beginning in September, to meet growing educational, research and industrial needs in Texas. Approval of the new degree programs has been given by the Texas Commission on Higher Education.

The Master of Science and Doctor of Philosophy degrees in statistics will be offered, Dean Wayne C. Hall of Graduate School said.

A Graduate Institute of Statistics—the first of its type in Texas—will be established with all course work in statistics to be organized within the institute. Selection of a director is expected to be announced shortly.

"A&M long has offered both undergraduate and graduate work in statistics, which is an applied mathematical science. The new degree programs and related plans will bring together all such work. Six departments presently offer courses in statistics.

The new institute will provide consultation with other departments on teaching and research problems involving the design of experiments and the interpretation of data.

Research programs in the field of applied statistics also will be initiated by the new institute.

While it does work for virtually every research department at A&M, the center is also kept busy with computing projects contracted through the Texas Engineering Experiment Station by public utilities, the petroleum industry and the federal government.

Some 40 full-time employees are required for operation of the center—key punch operators who perforate the cards used in programming the work of computers, programmers, tabulating equipment, operators, computer specialists and supervisory personnel.

Star performer of the Center is the 709 that consists of 21 units capable of reading and writing at a rate of 15,000 characters per second. Simultaneously it computes information at the rate of 40,000 arithmetical operations per second.

The IBM 1401 will be used extensively in industrial engineering courses in data processing, especially for the new graduate program in Computer Sciences just established here.

Along with the addition of the 1401 data processing system is the 1402 Card Reader and Punch. It can punch cards at a rate of 250 cards per minute or two and a half times any previous machine here. It reads information more than three times faster than what was used previously, Smith said.

The 1403 Printer will make information available four times faster, printing 600 lines per minute with 132 characters per line, he added.

Data Processing Adds Tape System

Installation of an additional computer tape system in the Data Processing Center has quadrupled the speed of magnetic tape computing capabilities here.

Addition of the IBM 1401—a tape oriented, completely transistorized computer with 4,000 digit storage capacity—permits the Data Processing Center to increase capabilities of its IBM 709, said Robert L. Smith Jr., head of the multi-million dollar computer center.

"It speeds up our input and output of magnetic tapes by a factor of four to one," he commented, adding that satellite equipment for the 1401 vastly increases the efficiency of the 709's capabilities.

Since its establishment in 1958, the Data Processing Center, operated by the Texas Engineering Experiment Station, has become a focal-point of activity for both education and research.

It is packed with high speed computers and related equipment that is valued at more than \$4 million. Only three other schools have comparable facilities—Massachusetts Institute of Technology, the University of California and the University of Washington.

Made through the A&M Research Foundation, the \$14,000 NSF grant is for research on "Convergence Methods for Distillation Calculations."

The project is a continuation of research supported by the Humble Oil & Refining Co. and Esso Research and Engineering Co. to seek the best mathematical models possible using the best data available.

Long range applications of this type of research include making of more exotic rocket fuels, gasoline and other chemicals throughout the petroleum and chemical industries.

Other NSF projects directed by Holland include development of convergence methods for distillation units containing recycling streams (under a \$6,300 grant), and studying the fundamentals involved in rate of transfer of materials between vapor and liquid gases (under a \$27,700 grant).

Graduate students working on these research projects include D. L. Taylor, R. C. Waggoner, Park Davis II, J. M. Srygley, G. B. Stiles and B. W. Hardy, all of College Station.

Nightly Centennial Events To Be Staged On Kyle Field

Bryan-Hood's Brigade Centennial Week, June 23-30, will bring mercurial visitors to the A&M campus to witness the spectacle staged in Kyle Field on the first five days of that week.

The spectacle, under the direction of Monte Fiore, of Centennial Headquarters, will include in its program the presentation and crowning of the Centennial Queen, Historical Pageant and a re-enactment of the Hood's Brigade counter with Union forces on as the Battle of Gainesville.

The Queen and her court will be the winners of the contest of spectacle ticket sales. The girl selling the greatest number of tickets will be crowned "Queen of Centennial" nightly, June 25-26.

The Historical Pageant will depict various stages of development from the "Indians to present," said Fiore. "We will attempt to recreate scenes as they were when Indians roamed the area, during the Civil War, the

Indian Campaigns, the turn of the century, the first World War, the 'roaring twenties,' the second World War, right up to the twist," he said.

The mock battle will recreate the most notable skirmish in the history of Hood's Brigade, the famed 'Texas Volunteer' unit. Approximately 30 'soldiers' will participate in the event, according to Fiore.

Hood's Brigade was composed of Texans who volunteered for service and went to Virginia for training. At the time they arrived in Virginia, Col. Hood, a friend of Jeff Davis, was given command, thus giving the unit its name.

After the war, the unit was disbanded, but a headquarters was set up and maintained in Bryan for the purpose of maintaining the unit records and holding reunions, Fiore said.

"We would like for thirty Aggies to volunteer to help stage this battle," said Fiore. "We need men

Weekly Dancing Series Underway

Monday night saw the first of the weekly dances scheduled by the MSC Summer Dance Committee.

The dance, held in the MSC Ballroom, lasted from 8:30 to 11:30 p.m. Music was provided by a group called "Pruitt's Quartet."

"We have two musical groups which will play at our dances," Hite said. "There's Pruitt's group and we also have Dick Baldauf's Combo."

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Ship Will Be Named After R. V. Alaminos

An early-day explorer of the New World will be honored when the MSC's new oceanographic vessel is named after him.

The 180-foot oceanographic research vessel will be known as the R. V. Alaminos in honor of Andrés Bello, who accompanied Columbus on expeditions to New Spain between 1499 and 1519.

Suggesting the name "Alaminos" was Miss Ester Sell, research assistant at the A&M Marine Laboratory at Fort Crockett near Galveston. She submitted the name to a contest conducted by the Department of Oceanography and Geology.

The freight-type vessel is being converted and refitted as an oceanographic research ship under \$875,000 National Science Foundation grant to the A&M Research Foundation.

It is expected to be ready for research voyages in mid-1963.

When renovation and refitting of the former Army freight ship is completed, the vessel will be one of the best scientifically equipped ships available for educational research. It will replace the smaller R.V. Hidalgo currently used by A&M oceanographers.