

Tryouts Continue For Aggie Players

Tryouts for the Aggie Players' first two presentations of the year will be held at 7:30 p.m. Thursday in the Music Hall. The two plays are "The Male Animal" by James Thurber and "The Lady's Not For Burning" by Christopher Fry.

Those interested are requested to contact C. K. Esten in the Music Hall of Bob Hipp, J-16 Hart Hall.

Harvard has had winning football teams the last three seasons.

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Two Groups Unite Program

The Presbyterian Student Association and the Wesley Foundation will begin their joint seminar program Wednesday at 7:15 p.m. at the Presbyterian Student Center. The programs are designed to meet the interest of today's student, according to the Rev. Arlen Fowler, Presbyterian chaplain.

Seminars being offered during the next six weeks are "The Unfolding Drama of the Bible," "Believing in God" and "The Protestant and Politics." Each group will have a student leader and a qualified resource person for the subject being discussed.

Opportunities for worship and study are provided by Presbyterian-Methodist joint efforts, pointed out the Rev. John Combs, Methodist chaplain.

The order of evening prayer is read each Tuesday at 5:20 p.m. and Holy Communion is Thursday at 5:20 p.m. Fish Fellowship is presented on first and third Fridays at 7:15 p.m.



New Band Uniforms Received
Mrs. Marvin Butler, this year's band calendar chairman, watches approvingly as David Maddox and Phil Butler model their new uniforms for Willard Johnson, A&M Consolidated High School Band director.

Century Council Report Sent To Area Businesses, Clubs

Approximately 5,000 copies of the Century Council report are being sent to various groups, organizations and businesses, according to R. L. Hunt Jr., director of the Century Study.

Those receiving copies of the report include the faculty and staff, members of the Association of Former Students, college and public school officials, members of

the legislature, government officials engaged in the education program and friends of the college.

Hunt said the Board of Directors is now preparing a list of goals and ideals for the college to follow in the coming years. These will be introduced during the A&M Convocation Nov. 16.

The Century Study is trying to look ahead to meet world problems and crises by establishing certain goals and ideals. He added that this program began in May, 1961, and is composed of 100 outstanding laymen.

Naval Program Seeks Applicants

Lt. G. E. Bayliss, commanding officers of the Naval Security Group Division 8-19, has announced that students interested in applying for the Navy ROTC program leading to a commission in the Naval Reserve should report to Room 320, Nagle Hall, Wednesday at 7:30 p.m. or any Monday night at the same time.

SPECIAL NOTICE

SUL ROSS LODGE, NO. 1300, AF&AM.
Called meeting, Thursday, Sept. 27 at 7 p.m. The Fellowship Degree will be conferred. W. S. Manning, WM 412
Joe Woolket, Secy

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Clean furnished large apartment. Bedroom, private bath and entrance, 2 boys preferred. 917 South College. 312
Furnished house, TA 2-3669. 813

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Baby-sitting from 8 to 5, experienced. C-3-B College View. 11fn

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We insure single men under 25 at standard rates. 1361fn
Now start your fall fishing and picnicking right at Hilltop Lake, if rained out, come back free, 9 1/2 miles south of college on highway 6, VI 6-8491. 1361fn
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Computer Asked To Unravel \$200 Million Power System

What does it take to exchange 1 1/2 million kilowatts of electricity between two major regions in the United States?

Answers to this problem involving 11 southwestern power companies and the Tennessee Valley Authority are being spelled out at A&M's Data Processing Center.

Basically, the problem is this: TVA has heavy winter-load commitments due to heating in its western region while the southwestern electrical companies need extra power during the summer because of air conditioning requirements by their consumers. Both "systems" have surplus power in their respective "off" seasons.

A PROGRAM DEVELOPED by Robert E. Kilmer, A&M computer programmer at the \$4 1/2 million computing research facility, was selected to unravel the complex problem that will eventually involve expenditure of up to \$200 million.

It was up to the Data Processing Center to build a mathematical "model" of the entire projected system and program it into A&M's IBM 709 and 1401 computer complex.

Kilmer was able to develop a program that was both "sophisticated and flexible" to simulate the various complex electrical power systems that will be involved in the 1 1/2 million kilowatt interchange, according to W. M. Brewer of Arkansas Power & Light Co.

"Because of Kilmer's work, the Data Processing Center was selected over several of the larger computing facilities in the nation," Brewer said.

"KILMER APPROACHED the problem from the viewpoint of a power engineer, rather than trying to adapt a power system's needs to computer system's requirements. The result is a more flexible programming technique that gives the answers we're looking for," he added.

Kilmer's computer program will

tell the power engineers: (1) the amount of power each generation installations should produce for proper interchange; (2) a listing of power flow between the different coordinates, and (3) loss of power each individual company may expect (line transmission loss) and not be compensated for.

Accuracy in gaining a solution for this size of problem is the unique aspect of the program developed by Kilmer, who worked on the project for a year.

His program projects data that will reveal weak points in the proposed plans, as well as what additional equipment — such as condensers and transformers — will be needed.

A GROUP OF 18 engineers, representing the investor-owned companies and the TVA, have arrived on campus to help feed data to the computers.

The region their electric com-

panies and the TVA serves extends from Bristol, Va., to Wichita, Kan., and from Kentucky border to Beaumont. The private electrical companies generate a collective total of about 15 million kilowatts while the TVA represents a total power generation capacity of another 15 million kilowatts.

Both TVA and the 11 companies expect to spend \$100 million each in the next six years to build a system of high-voltage power lines to complete the interchange network.

The analysis of the power engineers shows that it is more economical to build this system than for each group to build separate generation facilities. In this way both can use the surplus of the other system. And, each system gets the benefit of deferring capital expenditures on more costly generation plants.

SCONA

(Continued From Page One)

United States and Mexico will have gobbled up the entire budget by the time the last speech is over and delegates are returned home. SCONA pays transportation and housing expenses of its delegates.

KREBS HAS become adept at raising funds for SCONA through working on its ancestors. He said:

"Everyone who called on sponsors received a variety of experiences.

"I've been thrown out of the biggest and most plush offices in Dallas.

"Actually though, I've found personally most civic-minded businessmen are quite surprised that we have such a thing as SCONA.

"They are amazed at the size of the conference, the caliber of speakers and the interest shown by students who engineer the entire thing."

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