Closed - Circuit Television l Show Air Bubbles

perience for new biology stu- oratories.

ffling to budding scientists, but croscopes. eater knowledge.

ope," says Dr. Lawrence S. Dil- using some 120 microscopes.

gues believe students should at one time.

vision camera mounted atop a in February.

Watching an amoeba through a views of specimen slides through structor will be able to project roscope can be a frustrating a closed-circuit TV system to lab- on the TV screens an image of pre-

be an air bubble.

Closed-circuit TV also may save instructors from aching backs and studying," Dillon said.

sed-circuit television here may This semester, as in a majority needs, he added. Students will be rect these stumbling blocks to of semesters, there are more than expected to make more efficient 1,000 students enrolled in biology use of their microscopes. "Our problem is getting across and vertebrate zoology courses. "IT IS NOT unusual for a new the student what they are see- All are required to spend three biology student to spend time gor supposed to see in the micro- hours a week in the laboratory watching an air bubble, which be-

Because the microscope is a ba- cuit television, Dillon expects to amoeba," Dillon said. "Some have scientific tool in industry as project microscopic specimen view even made drawings of such specias biology, he and his col- to as many as three laboratories mens."

ology, and biology instructors W. that will be built soon. TO DO THIS, they are utilizing V. Robertson and John Murad. \$2,500 grant from the School of Dillon hopes to have the TV equiprts and Sciences teaching im- ment installed and operating by ovement fund to test using a the opening of the spring semester

th microscope. This will permit "Through use of this closed-cirjecting accurate microscope cuit television microscope, the in-

GOING PLACES . . . Joyce's smashing new collec-

tion of wool separates in holiday-into-Spring pas-

tels. Gather a batch to mix 'n match in sea blue

and sky blue; leaf green and shadow green; sand-

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four styles of sweaters, 9.98 to 10.98; slim skirts,

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7.98; fully-lined slacks, 9.98.

pared slides, live protozoa or other

And, a microscopic cross-section cricks in their necks from bending The slide can be moved about a plant stem can be completely over a multitude of students' mi- to show different areas and enlarged to suit the instructional

cause of light refraction and gravn, professor of biology here. THROUGH USE of closed-cir- ity movement, appears to be an

The entire closed-circuit plan is aster the use of microscopes With the assistance of Dr. A. B. part of preliminary planning for the they are in basic biology Medlen, associate professor of bi-



Wendy Parriott, 12, a 4-H Club member Wendy gets ready to enter the animal in

from La Puente, Calif., shares a cool drink competition for grand champion honors at with her 804-pound Hereford "Hadacal," as the 37th GWE Livestock Show.

FOR SOUTHWESTERN TITLE

Checker Players Set Meet

Serious-minded checker players there will be one class of players committee. A professor of politi- | Cravens can play 30 or 40 holidays to take part in the South- stituting a round. western Open Checker Tourney PRIZES FOR the tourney in-

anywhere in the world and the book prizes. Official referee and winner will be recognized as the scorekeeper for the tourney is R. E. "checker champion of the South- Hawkins of Dallas. western U. S."

chairman of the tourney steering committee, play will begin in on a modified "Swiss System" and

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arrive here over the Thanksgiving tourney play, with two games con- lege, Cravens is the state checker

Nov. 24-25 in the Memorial Student clude \$100 and a trophy for first that requires patience, knowledge prize and \$50 for second place. of the game itself and concentration. The tourney is open to players In addition, there will be many tion.

According to J. Wayne Stark, is chairman of the tourney prize ing of a game."

- many of them champions - will only. There will be seven rounds of cal science at Howard Payne Col- checker opponents at a time. playing champion for 1962 and looks upon checkers as a pastime MSC Radio Group

> possible in a game of checkers,' says Cravens. "There are 137 dif-H. L. Cravens Jr. of Brownwood ferent plays possible at the open-

earnest at 9 a.m. Saturday, Nov. 24. The tourney will be conducted Many A&M Education Majors Concentrate On Math, Science

ence and math subjects in public cation, announced Wednesday.

A&M has 518 students studying programs. to become school teachers, Dr. A total of 149 students have de-C. H. Groneman, co-ordinator of clared teaching majors or minors

With greater emphasis on sci-|the A&M Council on Teacher Edu-

are preparing to teach in these 6.2 per cent of the A&M students will also be possible. are enrolled in teacher education

in chemistry, math, science, physics and biology.

teacher education programs offered by the departments of education the second party. and psychology, health and physical education, agriculture education

men in undergraduate teacher edutoral program, Groneman said.

To Raise Funds

The Memorial Student Center million. Radio Committee will sponsor a steak fry in Hensel Park Dec. 1 as part of a fund raising campaign to buy a new receiver for the club station, W5AC.

The new receiver, a Drake Model 2-B, will provide more selective ceived title to one-fourth of the reception of messages. Members won't have as much trouble with unwanted signals once the new set is in operation. Faster and more schools, more than 28 per cent of Noting Nov. 12-17 is National efficient student service for hand-the men in education courses here Education Week, Groneman said ling messages and phone patches

> Two people can actually carry on a telephone conservation over the air because of the phone patch service. Through special features of the set actual voices of one party may be picked up by the The students are enrolled in transmitter and conveyed to the receiver where they are heard by

Friday during Convocation, W5 AC will have communication staand industrial education, he said. tions at five locations on campus. In addition to more than 500 At the stations visitors may send messages, obtain information concation programs, 244 students are cerning the day's activities and gaenrolled in graduate classes with ther information about the cam-25 in the industrial education doc- pus. These stations will be in operation from 7 a.m. - 5 p.m.

White House **Confirms JFK Charity Gifts**

WASHINGTON (AP) - President Kennedy has contributed all of his government salaries to charity since 1947 when he entered Congress, White House sources said Wednesday.

In line with this, informants said, Kennedy will contribute his \$100,000 presidential pay to charities this year, as he did last year. However, the 1961 salary didn't quite hit that total since he was not inaugurated until Jan. 20.

Kennedy is doing the same as another wealthy president before him, Herbert Hoover, did three decades ago.

Kennedy is able to pay his own personal expenses because of identical trust funds set up by his multimillionaire father, Joseph P. Kennedy, for all of his children in 1926, 1936 and 1949.

AT THE TIME of Kennedy's inauguration, his press secretary, Pierre Salinger, told newsmen that the President had a gross net income of about \$500,000 a year — about \$100,000 after taxes - from the trust fund investments.

Newsman calculated that figuring an average return of about 5 per cent on the investments, a \$500,000 anual income would represent principal of around \$10

Kennedy and his brothers and sisters get control of the principal in their trust funds on a step-bystep basis.

When he was 40, Kennedy reprincipal invested for him. When he reached 45 last May he received another 25 per cent.

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