

Advanced Drilling Course To Continue Thru April 14

The Department of Petroleum Engineering is holding the fourth session of its Advanced Drilling Short Course through April 14.

The session is being held in the new W. T. Doherty Petroleum Engineering Building at the college. An industry class room has been specially prepared for the course. Classes are starting at 8 a. m. daily.

John R. Pedigo, associate professor in the Petroleum Engineering Department, said the course is consisting of eight-hour day lectures, five days a week.

He said lectures are being presented by faculty members of the Department of Petroleum Engineering. Lectures are being supplemented by talks presented by outstanding men of the oil industry, most of whom have appeared at previous sessions of the course.

"The industry speakers selected to present particular subjects appearing in the course curricula have been chosen because of their recognized ability and knowledge in specific areas of interest to the drilling engineer," Pedigo said.

The fourth session had a pre-enrollment of 18 men representing major oil companies, drilling contractors and supply firms. Most of the enrollment is made up of personnel from United States operating companies, with the exception of two men from abroad. Pedigo said engineers attend-

ing the school have had at least three years of field experience.

The first week's courses are consisting of a review of rocks and rock properties, circulation fluids in the bore hole, a study of drilling strings, rotary drilling bits and study of maintenance of the desired direction of the drilled bore hole.

The last subject, Pedigo said, will be divided into two parts—specifically crooked hole problems and controlled directional drilling.

On the evening of the first day of the course, a coffee was held for members of the attending students and Department of Petroleum Engineering members.

The course offered by the Department of Petroleum Engineering is co-sponsored by the American Association of Oil Well Drilling Contractors. Some of the instructors in the school are national officers in the organization.

A list of student registrants is as follows:

B. E. Busking, Asiatic Petroleum Co., Houston; E. J. Coel, Schoel Schuleman and Carl Mathews, El Paso Natural Gas Co.; C. V. Clarkson, United Fuel Gas Co., Charleston, W. Va.; Edgar W. Guynn, Delhi Taylor Oil Co.; Alice; Dr. C. A. Rambow, California Research Corp., La Habra, Calif.; E. D. Oppenheimer, American Machine and Foundry Co., Spring-

dale, Conn.; James E. Dunnegan and Sterling Randolph, Tennessee Gas and Oil Co., Houston; Lumidji Purhondingrat, American Overseas, Indonesia.

Others are J. S. Dier, Mobil Oil of Canada, Calgary, Canada; Edmundo M. Ojeda, Creole Petroleum Corp., Tia Juana, Venezuela; H. F. Hill Jr., Reed Roller Bit, Wichita Falls; George L. Temple, Reading and Bates, Houston; Leonard E. Wilson, Atlantic Refining Co., Lafayette, La.; H. D. Webster, Chiles Drilling Co., Alice.

Department of Petroleum Engineering instructors in the course are R. L. Whiting, department head; Pedigo; Dan M. Bass, associate professor and James W. Amyx, professor.

Others . . .

Other course instructors are Ames Smith, drilling engineer, Humble Oil and Refining Co., Houston; R. W. Ruhe Jr. and Kenneth A. Pfleger, staff service engineers, Magnet Cove Barium Corp., Houston; W. M. Koch, director of research, and John Gromley, staff research engineer, Reed Rollers Bit Co., Houston; H. G. Benton, chief sales engineer, Smith Tool Co., Compton, Calif.; H. M. Rollins, operations manager, Drilco Oil Tools, Inc., Midland; Frank Singletary, assistant director of directional drilling and well survey, Houston Oil Field Material Co., Inc., Houston.

High School Engineers To Meet Here

The Southwest Regional conference of the Junior Engineering Technical Society, (JETS), will be held here April 15.

JETS, a national organization, is a pattern for high school extra curricula clubs to stimulate interest among junior and senior high school youth in engineering and science careers. State headquarters are maintained in many states. The A&M School of Engineering is state headquarters for Texas.

Fred J. Benson, Dean of Engineering, will give the address of welcome at 9 a. m., followed by talks by Donald Patton, College Station, president, Student Engineers Council and present recipient of the Gramercy JETS scholarship at A&M.

A report from national headquarters by Richard T. Fallon, executive director, will follow. J. G. McGuire, Assistant Dean of Engineering and chairman of the state JETS committee, will report on state headquarters.

At 10:30 a. m., the attendants will be taken on a tour of college facilities.

Group discussions will be held in the afternoon and the conference roundup will get under way at 3 p. m. Dr. John C. Calhoun Jr., vice chancellor for development of the A&M College System, will present awards including two scholarships and awards for outstanding exhibits.

IN SENATE RUN-OFF

Crucial Vote Faces Demos

By The Associated Press
AUSTIN—With a Republican and a man who joined the Republicans twice in post crucial elections facing each other in the U. S. Senate run-off, many Texas Democrats face a supreme test of party loyalty.

Tuesday's special election, chaotic because of the huge field and the unique conflicts among the "big six," almost defies sensible analysis. But it indicates some interesting possibilities, such as:

Will the remaining hard core of brass-collar labor-liberal Democrats now join with William A. Blakley to block the election of Republican-in-fact as well as Republican-in-name John Tower to the Senate? How will the Negro and Latin American vote go now?

Where will the middle-of-the-road conservative Democrats go after their repeated warnings of "disaster" should the run-off turn out to be a race between Blakley and Tower?

Which way will the middle-of-the-road liberal Democrats lean as they face a choice such as the one presented by the Tower-Blakley run-off?

And a good many Democrats who don't grasp or follow the fine

shades of difference in the various current labels will, as usual, be completely baffled when they vote next on who will represent them in the U. S. Senate.

There is considerable basis for

the feeling of many conservatives that no matter who wins the run-off, the Senate balance between a liberal representing one segment of Texas politics, and a conservative representing another,

will be preserved.

The special election with its unrestrained record-breaking number of candidates raised many a question about qualifications standards for U. S. Senate candidates.

Meatier Hog Forecast For Future Swine Industry

The swine industry can look forward to a meatier hog in the future, produced in fewer but larger units and marketed at lighter weights.

Dr. J. C. Hillier, professor in charge of swine at Oklahoma State University and one of the main speakers at the 10th annual Swine Short Course which ended Tuesday, told hog farmers attending the session that most of the improvement in meatiness will come through breeding, possibly with some assistance through reduced energy intake during the latter part of the finishing period.

"The nutritional requirements of swine of various ages will be

known more exactly, thus giving greater possibilities for the efficient utilization of feeds," the animal scientist said.

A finished weight of 200 to 225 pounds is a good market weight for a finished hog, he said. Foundation breeders should shoot for 180 to 190 pounds in 130 to 140 days, a backfat thickness of .5 to .6 inches, a loin area of six square inches and a lean cut yield of 45 to 47 per cent of live weight.

Current changes taking place, according to Hillier, are rations tailored to specific stages of growth, better housing which reduces feed intake requirements and the fact that producers are

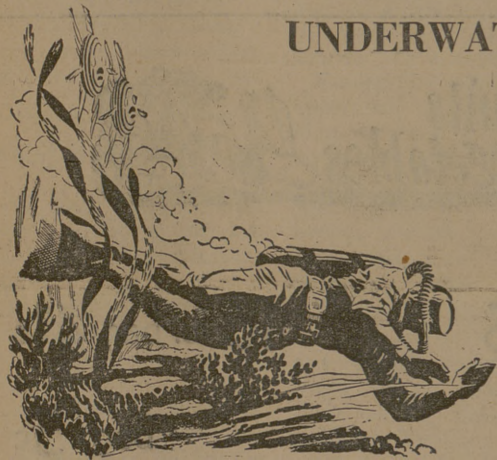
now raising slaughter animals on about 300 pounds of feed compared to the former 35 pounds.

Hillier called for more mechanization in hog production methods. He described present systems as still largely "in the one-mile-and-Georgia-stock stage."

A special feature of the program was the honoring of Otto P. Seeman for 31 years of service with the Department of Animal Husbandry.

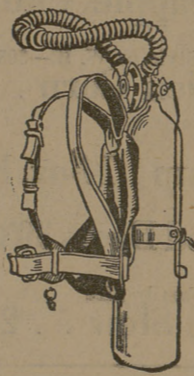
Seeman, who recently retired, was presented a certificate of appreciation by Dr. R. D. Lewis, director of the Texas Agricultural Experiment Station, and a watch by Fred Hale, professor in charge of swine at A&M.

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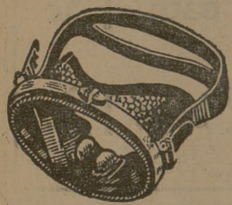
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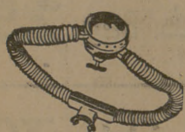
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TOP KICK Dog Food	14 Cans	\$1.00
LIBBY'S MEAT PIES Beef-Chicken-Turkey	5 8 oz. pies	\$1.00
Wonder Rice	2-Lb. Box	25c
Bama Peanut Butter	12-Oz. Jar	29c
Del-Dixie Pickles	Dill or Sour Qt. Jar	25c
Bits-O-Sea Tuna	5 Flat Cans	\$1.00
Del Monte Fruit Cocktail	4 - 303 Cans	\$1.00
Elcor Paper Napkins	2 - 60 Ct. Pkgs.	19c

Golden Yellow **BANANAS** . . . lb. 9c
FRESH GREEN CABBAGE . . . lb. 3c
CRISP Cello Carrots . . . 2 bags 25c
Fancy Delicious APPLES . . lb. 19c

TENDER BABY BEEF
ROUND STEAK . . . lb. 79c
RUMP or PIKES PEAK ROAST (Tender) . . lb. 75c
A&M College Heavy Beef Sirloin Steak . . . lb. 97c
A & M College Heavy Beef T-Bone Steak . . . lb. 97c
RATH BLACKHAWK SLICED BACON . . . lb. 53c
FRESH JUMBO SHRIMP lb. 79c | **Hormel All Meat Franks** lb. 49c

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