

Prof at Tarleton to teach equine courses

Tarleton State University has taken a significant step towards realization of its proposed Bachelor of Science degree program in Horse Production and Management with the hiring of an outstanding horse specialist.

Troglan, announced last Thursday that Dr. Lester B. Waymack will join the agricultural faculty September 1 to teach four equine science courses during the fall and spring semesters. The courses will be Horse Production, Equine Health and Nutrition, Horse Enterprise Management and Principles of Equine Reproduction. Waymack is a native of Pine Bluff, Ark., and holds degrees in animal

science from the University of Arkansas, Mississippi State University and Louisiana State University. He has held various research and teaching positions at LSU and Alabama A&M University, and has been an associate professor at the University of Arizona since 1973. He has been actively involved in nutritional research and in teaching horse-oriented courses. Waymack is

also currently preparing a comprehensive textbook on horse production and management. In addition to these professional activities, he is a competitive steer wrestler, has coached collegiate rodeo teams and is a farrier specializing in corrective shoeing of horses. TSU's proposal for a concentration of study in Horse Production and Management, a major within the

B.S. degree in agriculture, has been under consideration by the Coordinating Board, Texas College and University System, since early 1975, according to Dr. Weldon H. Newton, head of the Department of Agriculture. Final action on the proposal, which was developed in consultation with horse industry leaders, is expected in April, 1977. During the

interim, the Coordinating Board is permitting Tarleton to offer the new courses as animal science electives. The proposed degree program features 23 semester hours of equine subjects, including a 10-week apprenticeship consisting of on-the-job training with cooperative horse producers and related enterprises. Supporting areas of study emphasize business management,

communications and other fields of animal science, each of which provides additional flexibility of academic training and career preparation. Tarleton officials said Waymack's academic training, experience and personal abilities promise to establish TSU as one of the leading centers for equine education in the nation.

One must get dirty to understand rocks, geologists say

Texas A&M University geologists believe that to learn the nuts and bolts of rocks and stones, one has to get down in the dirt and live with them a bit. As a result, the undergraduate curriculum includes four formal field courses that take the students to various parts of Texas, and often out of Texas, to deal with geological realities. This trend of the A&M geology department is in the face of a

movement by other universities to de-emphasize field geology, according to David W. Stearns, department head. During the 1975-76 school year, sophomores made one-day trips to Llano, Austin, Waco and around the Brazos Valley to observe all three types of rocks—sedimentary, metamorphic and igneous. In an elective course, a group of geophysics and geology students

took a January camping trip to the Gulf Coast to study "soft rocks" and coastal deposits. Much of the time was spent in the Florida Keys examining limestone deposition and coral reef formation. Seniors split into two groups for one-week trips during the spring semester. Some went to Possum Kingdom Dam and Lake Brownwood to study the Pennsyl-

vanian rocks and fossils in those areas. A group of honor students traveled to New Mexico and Arizona. There they looked at engineering geology in action with a guided tour of the Pima Pit, an open-pit copper mine. They went through the Cyprus Pima Mining Co. mill where low-grade copper ore is processed into 32 per cent

copper concentrate. The students then followed the mill concentrate through the Magma Copper Co.'s smelter and refinery, where the almost pure copper is cast into plates for final refining. Departmental juniors take two field courses. This year's group of students from geology and geophysics was divided to tour Carlsbad, Clouderoft, Santa Fe,

Aztec and Grand Junction, N.M., and Boulder, Colo. The Colorado trip included the field study of an ancient Permian Age reef which forms the core of the Guadalupe Mountains of West Texas and Eastern New Mexico; cycles of deposition of sediments of Pennsylvanian Age; several collapsed calderas from volcanic action and the formation of folds. These observations provide the background for the second field

phase of the junior year. A six-week summer field course follows the Colorado trip and concludes the junior year. The juniors spend one week in the Llano area studying igneous, metamorphic and sedimentary rocks. The remaining time is spent examining the intricately folded sedimentary rocks of the Marathon area near Big Bend Park.

Planning keeps Brownsville ship channel clean Prairie View A&M gets grant for teachers

Experts call the Brownsville Ship Channel one of the cleanest facilities on the coast. As a result of work and a desire to keep their "cleanest" accolade, the Brownsville Navigation District hired a team of Texas A&M University engineers with \$25,000 to continue a chemical and physical environmental study of the channel started in 1972. Robert L. Garrett, principal in-

vestigator for the project, is a member of A&M's environmental engineering division of the Department of Civil Engineering. "Studies conducted in 1974 and 1975 have shown that the quality of the Brownsville Ship Channel and adjoining waters is very good," Garrett explained. "However, the industrial growth and increasing demand placed on the system, along with a few minor problems revealed

by earlier studies, have been recognized and a further study seems necessary. "During the first two years we did environmental physical and chemical assessments and produced some mathematical models for planning future activities, primarily industrial, along the channel," he said. "Brownsville has been far ahead by anticipating any pollution problems and as a result has one of the


cleaner facilities on the coast, but, it was kept clean by planning," Garrett pointed out. "We didn't find many situations where the channel did have problems," Garrett said. "However, this year's activity will focus on the minor areas where problems did or could develop and on the results of ecological measures that have been initiated. "Specifically, there was one area,

a shrimping harbor about 12 feet deep, where shrimp waste material was accumulating," he continued. "This caused an oxygen problem for the marine life in the harbor. The solution was to build a sewage and waste collection system to each ship berth that picked up shrimp and fish processing throw-away waste."

Prairie View A&M University's Teacher Corps program has been awarded another \$234,916 by the U.S. Department of Health, Education and Welfare. The two-year extension will involve PVAM and Waller Independent School District in a program that allows the two to work together


in training better-equipped public school teachers. Began in 1965, the federal program strengthens education available in concentrated areas of low-income families while encouraging higher education and public education to work together on the preparation of teachers.

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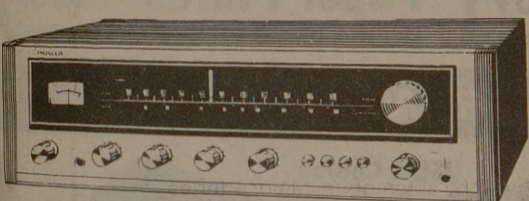
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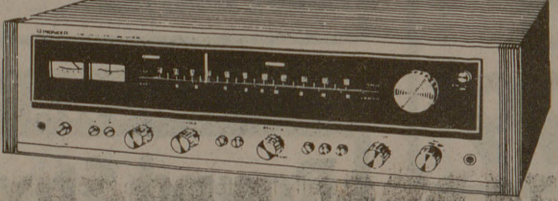
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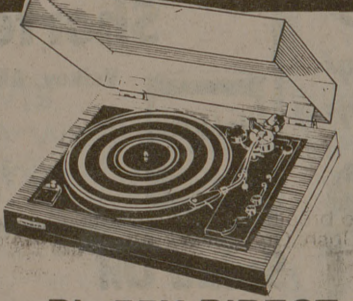
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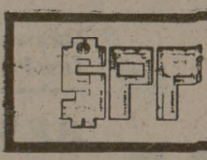
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