Computers To Help

Water Researchers

Kleberg Foundation Aids Research Here

Money from a cattle rancher ho loved animals almost as ch as people is helping Texas A&M University to become an ternational center for wildlife anagement and ecology.

The late Caesar Kleberg, vice esident and manager of the rawling King Ranch in South exas at the time of his death 1946, is in the process of ving A&M \$1.4 million over a ven-year period through his undation.

A&M's Agricultural Experint Station has already reved \$400,000 for the first two ars of research and enhanceent of wildlife resources for the blic benefit.

Dr. James G. Teer, program der for Caesar Kleberg Fountion Research, said Mr. Kleerg's trustees afford A&M an portunity to become known rldwide as the center for ecolgy, wildlife management and ervation of natural resources. ALREADY, PROJECTS underay and proposed stretch from xas to Africa to South Ameri-The international flavor is pected to expand, Teer pointed

Programs call for thorough estigations of game ranching a prospect for producing pron for food-short world, espeally in underdeveloped counes, and for furnishing sport

"Mr. Kleberg was well-known being interested in everyone d everything," Teer comment-"Friends say he had the sual ability to recognize inntly the potential good and ent possibilities in both men d animals."

"LIKE WILL ROGERS-one of . Kleberg's favorite characters ne could recognize good in ryone he met and made friends th people from all walks of e," he continued. "A lover of great outdoors, Mr. Kleberg s one of the first sportsmen preach conservation of game

A&M staff additions under the ogram in the last nine months lude Dr. Harold D. Irby, a waterfowl biology and marsh ecology specialist; Dr. Ernest D. bles, whose interests include big game biology and management lus radio-tracking and African mmals; Nathan K. Forrest, a cialist in game production econics and harvest systems; Jeff rby, an electronics technician th experience in estimating pulation characteristics of ani-

Model Ocean Used 290 To Study Pilings

A Texas A&M Coastal and cean Engineering researcher is sing a wave tank to delve into echnical problems which cause offshore oil companies big head-

10 He's Dr. Robert M. Sorensen. a 29-year-old assistant professor who's just getting his feet wet at Aggieland.

"I'm just now getting started on a study of effects of surface oughness on ocean wave forces on cylindrical piles," Sorensen aid. "Most of these pilings are sed for offshore oil rigs."

"NOBODY HAS STUDIED the roblem to find out what type oughness occurs," the University f California at Berkeley graduate remarked. "We're building a pile to be erected in a laboratory wave tank. Then, we will use a caused by waves."

Sorensen's plans call for a pile three inches in diameter to be researched in the model here. Fluid mechanics theory and equaions will help him predict values or the prototype which might be 20 feet in diameter in the ocean.

"The crux of the whole thing is economy," the intense engineer commented. "If I feel something should be changed, it's much easier to change in the model than on the real thing. Less expensive, too.'

"IN THE LABORATORY, we can study various sea growths and their effect on piling," Sorensen explained. "This way we will eventually know which materials might be considered rough. Also, we will find which materials are most resistant to sea growths-

such as smooth steel." Simulating the ocean's roughness soon will be easy in a civil engineering laboratory. It's to be done with a motorized machine which whips salt water into desired wave heights down a 120foot long wave tank two feet



deep and three feet wide.

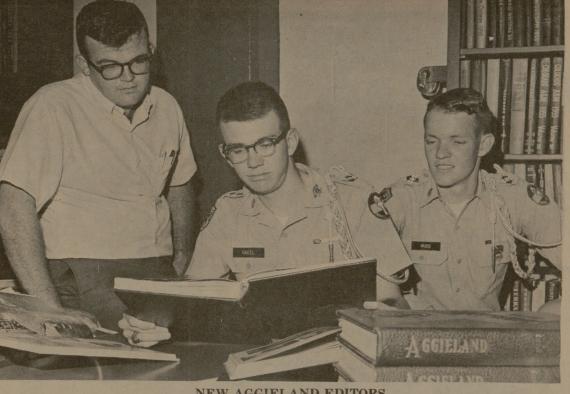
Mrs. Brenda Hathaway.

TWO NEW RESEACHERS. Ronald O. Skoog, coming soon from the University of California at Berkeley, and doctoral candidate Dennis Herlocker of Corvallis, Ore., will go to East Africa

Skoog will study the plains zebra at the Serengeti Research Institute in Tanzania, while Herlocker will investigate vegetationelephant relationships.

In A&M's game ranching program, research is in progress on Nilgai antelope, axis deer, blackbuck antelope and economics of game production and harvest systems. Teer said current plans call for some research regarding the blackbuck antelope to be done in

Also underway are native game animal ecology studies of prairie chickens, Bobwhite quail in South Texas, chemical and nutritional qualities of acorns, statistics in wildlife populations, ecology of the ringtail and white-wing doves in Texas and Mexico.



NEW AGGIELAND EDITORS

Editors for the 1969 Aggieland have been named and will begin work on the A&M yearbook as soon as the 1968 Aggieland is completed this summer. The new editors are assistant Editor Mike Wright, senior journalism major from Victoria; Editor James Creel, senior accounting major from Fort Worth; and Assistant Editor Jimmy Mudd, senior agricultural economics major from Yoakum.



THEY BOTH MADE FRIENDS

Humorist Will Rogers and rancher Caesar Kleberg strike a happy pose at the King Ranch in the late thirties. Rogers was one of many frequent visitors at the Norias division. In his will, Kleberg requested a grant be established for a world-wide center for wildlife research at Texas A&M

Science Holds Interest For High School Students

Texas high school students have a flare for science and appear ready to light it, observed blew the truck off the highway.'

a Texas A&M exhibits manager. Don Jensen of McKeesport, Pa., spoke to more than 130,000 high school students the past school year in conducting a "This Atomic World" program sponsored by A&M, Oak Ridge Associated Uni-Commission.

Designed to stimulate student interest in careers in atomic energy, the program employed demonstration equipment to show how atomic energy is obtained and used in agriculture, industry and medicine.

Jensen presented the program in about 190 schools in the Panhandle and Northeast Texas. Each time he set up the 800 pounds of equipment, Jensen talked to an average group of 700.

"There were exceptions, but most of the kids were very interested, responded well and indicated they learned something from the presentation when I talked to them in science classes afterwards," the 36-year-old A&M graduate remarked.

The "Atomic World" exhibit, one of 14 operated throughout strain gauge to measure force the U.S. in 1967-68, was also set up for Army and Navy personnel at Fort Hood and Dallas. It was video-taped for three 15-minute TV programs by the Dallas school district and presented at a Panhandle city's Lions Club grams."

The start of Jensen's 32,000mile tour through 105 cities and is happy to have him home awhile towns was shaky. Enroute to the first appearance at Dalhart last September, the panel truck encountered a wind storm between tour with the "Atomic World" Wichita Falls and Amarillo.

FH

"I had to stop and wait it out," Jensen said. "The wind almost There were other nervous

To demonstrate medical use of trace elements, an "atomic cocktail" (colored water) was consumed by a student volunteer. A specially-equipped Geiger versities and the Atomic Energy counter with its own radiation source was used by Jensen to pinpoint the "cocktail element" near the thyroid gland.

"One fellow almost fainted," Jensen smiled. "I had to hold him up until he regained his com-

The program manager was more perturbed than a young lady who participated in another experiment. A Van de Graff generator was supposed to demonstrate electricity and magnetism by making her hair stand on end.

"She had on a wig," Jensen lamented. "When it began rising off her head, the audience went wild. I was horrified; figured she would get upset. But she was very calm about it all."

A&M bulletins and guidance counselor material was left at each school on Jensen's schedule. "A lot of students asked for applications and brochures on physical education, nuclear engineering and physics," he added. "There seemed to be a lot of interest in A&M because of its science pro-

Don's wife, Charlotte, who maintained contact by telephone After a month of training at Oak Ridge in August, Jensen plans to start a year-long South Texas program in September.



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we get a picture of your bear?" Freedle told them to go ahead. bought.

RIFLE, Colo. (A) - During the What he didn't tell them was hunting season, two women tour- the "bear" lashed to the top ists asked Lucien Freddle, "Can of his truck cab was the dressed carcass of a Hereford calf he had

Water Resources Institute has specialist.

received a federal grant of \$43,-998 to study scientific information retrieval systems on water Dr. Ernest T. Smerdon, insti-

tute director, said the research will involve a field evaluation of different computer systems which provides scientific data to agencies and individuals concerned with water problems.

He said there is a great amount of information on water resources being published, but it is often impossible for researchers to be aware of this material.

"Through techniques using the computer, it is possible to selectively provide published information to individuals according to their specific interest," the director said. "For example, an individual concerned with irrigation problems could be provided abstracts of all published papers and data dealing with the phase of irrigation related to his in-

Associate directors of the project at A&M are Dr. John Herbich, professor of civil engineer- low the pests to breed.

The Texas A&M University ing, and Eugene Smith, computer

Project consultants are Dr. John C. Calhoun, vice president for programs, and Dr. R. J. Freund, associate director of the Institute of Statistics.

Mosquito Control Planned In B-CS

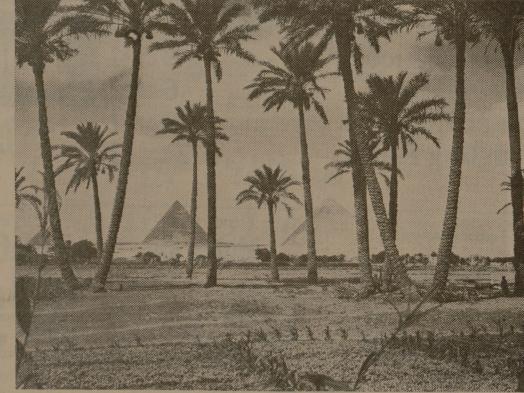
Texas A&M maintenance personnel are joining forces with Bryan-College Station officials to declare war on the community's bumper crop of mosquitos - as soon as the rains stop.

O. O. Haugen, operations superintendent for A&M's Physical Plant Department, said university personnel will spray the campus and surrounding area with a diesel fuel-DDT mixture when weather permits.

Haugen explained the spray is ineffective if applied in the rain. Local residents, he continued, can help reduce the mosquito problem by removing any outdoor containers around their

homes which hold water and al-

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(4) For the sake of the Church itself, which needs his moral and material support. Plan to go to church regularly and read your Bible daily.

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The caravan has travelled through the desert for many days . . . and the men are glad to see the tall date palms of the oasis in the distance. Here they will rest and refresh themselves beside the cool spring before continuing on their way.

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I		Sunday 1 Kings 19:1-8	Monday I Kings 19:9-18	Tuesday Isaiah 35:1-10	Wednesday Isaiah 58:6-12	Thursday Matthew 10:5-15	Friday John 4:1-15	Saturday John 4:16-26
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CALENDAR OF CHURCH SERVICES

ST. THOMAS EPISCOPAL Rector: William R. Oxley Asst .- Rev. Wesley Seeliger 8:00 A.M. & 9:15 A.M. Sunday Service

A&M CHURCH OF CHRIST 8:00 & 10:00 A.M. Worship 9:00 A.M.—Bible Study 5:15 P.M.—Young People's Class 6:00 P.M.—Worship 7:15 P.M.—Aggie Class 9:30 A.M.—Tues. - Ladies Bible Class 7:15 P.M.—Wednesday - Bible Study

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UNITARIAN FELLOWSHIP 305 Old Highway 6, South 10:00 A.M.—Church School 8:00 A.M.—Adult Service

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7-9 A.M.—Sun. Breakfast - Stu. Ctr. 9:45 A.M.—Church School 11:00 A.M.—Morning Worship 6:00 P.M.—Sun. Single Stu. Fellowship 7:15 P.M.—Wed. Student Fellowship 6:45 A.M.—Fri. Communion Service Wesley Foundation

CHURCH OF THE NAZARENE

9:30 A.M.— Sunday School 11:00 A.M.— Sunday Service 11:00 A.M.-2 P.M.— Tues, Reading Rm. 7:00-8:00 P.M.— Wed., Reading Room 8:00 P.M.— Wed. Evening Worship

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Youth Hour
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A&M METHODIST 8:30 A.M.-Morning Worship

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