

Program head set to present graduate talk

Dr. R. Philip Hammond, director of Oak Ridge National Laboratories' nuclear desalination program, will meet here next week with key personnel in the "Nuplex" study and present a graduate lecture.

The lecture, entitled "Energy, Ecology, and Edacity," will be presented at 4 p.m. Tuesday, June 23, in the Architecture Building auditorium.

Theme of the talk will be that man cannot hope to survive unless he does a better job of harnessing energy.

Energy is, in fact, the ultimate raw material which can be substituted for non-renewable resources, Dr. Hammond points out, but it must be applied with skill and vision.

Earlier in the day, the ORNL official will brief Texas A&M's "Nuplex" officials on a similar program being conducted at the Oak Ridge facility. He will then hear a report on the Texas A&M program.

"Nuplex" is a coined word describing a large complex consisting of a nuclear-powered reactor,

electricity production, water desalination, chemical processing and production, agriculture and associated activities. The long-range study is designed to help provide low-cost abundant water and electricity.

The Texas A&M briefing will be directed by Dr. Richard E. Wainerdi, associate engineering dean, who heads the interdisciplinary "Nuplex" program.

Dr. Hammond's two-day visit also will include tours of experimental facilities on campus and participation in discussions con-

cerning desalting technology and by-products utilization studies at both Texas A&M and ORNL. Other topics involve food crop production research and socioeconomic and systems analysis research.

Through his ORNL post, Dr. Hammond has represented the United States at numerous international conferences and missions concerning peaceful use of nuclear energy.

Prior to joining the Oak Ridge installation, he was associate leader of the reactor development

division at the Los Alamos Scientific Laboratory.

Dr. Wainerdi noted Dr. Hammond has contributed to the design of advanced reactors and evaporators, to the metallurgy of plutonium, refractory metals and rare earths and to remote control mechanisms in radiation chemistry and fast neutron reactors.

Dr. Hammond is a chemical engineering graduate of the University of Southern California and earned a Ph.D. in physical chemistry at the University of Chicago.

The Battalion

Vol. 65 No. 124

College Station, Texas

Wednesday, June 17, 1970

Telephone 845-2226

Warm, cloudy, humid

Thursday — Partly cloudy, wind Southerly, 10 to 15 m.p.h. High 92, low 74.

Friday — Partly cloudy, wind Southerly, 10 to 15 m.p.h. Chance of thunderstorms late afternoon. High 89, low 76.

Space shuttle undergoing tunnel tests

Wind tunnel tests are being conducted here with a "space shuttle" model designed and built by Texas A&M engineers for the National Aeronautics and Space Administration.

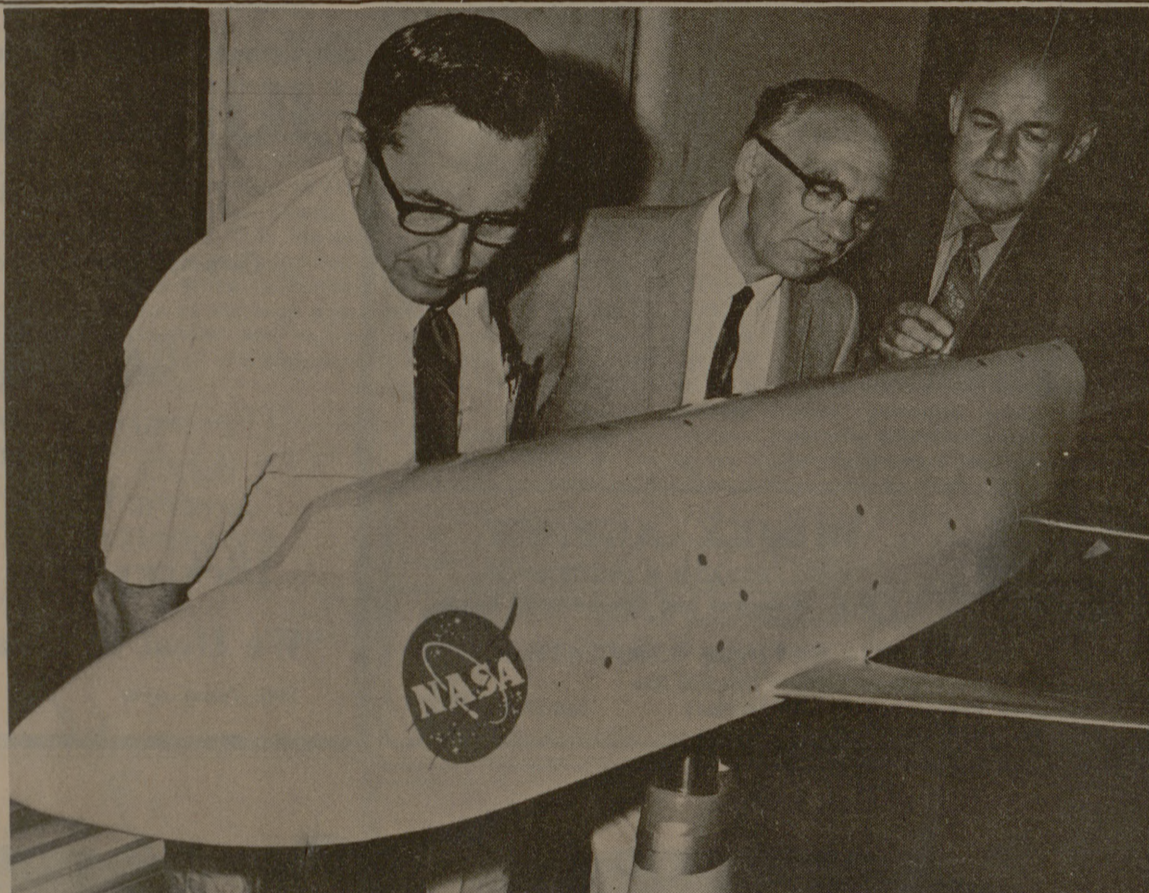
Harry Whitmore, director of the Space Technology Division, said the space-shuttle project is part of NASA's feasibility study for an earth-orbital laboratory.

The engineers plan to put the model through a two-month test program calling for wind gusts up to 200 mph.

The model, measuring 69 inches long with a wing span of 48 inches, is attached to a maneuverable base allowing the craft to be struck by gusts from varying angles during a single test.

Whitmore said the main effort in the project is devoted to subsonic airplane problems.

He explained a space shuttle must be a combination of an airplane and spacecraft. It must have the capability to go to the manned space platform, return to earth and land at an airbase, rather than splash down in water.



Texas A&M-designed space shuttle—Engineers Joseph Brusse, left, and Joseph Bicknell prepare space shuttle model for wind tunnel tests as Harry Whitmore, director of the Space Technology Division, looks on.

Three killed in collision of auto-train

Three people were killed and two seriously injured yesterday afternoon when a car and a Southern Pacific freight train collided at a railroad crossing one-half mile south of College Station on F.M. 2154.

Milinda J. Ercanbrack, 3, and George A. Parson, five months, were dead at the scene, and Milinda K. Gillenwarter, 17, died at 4:45 p.m. at St. Joseph Hospital. Janie M. Black, driver of the car, and Peggy D. Parson, 15-year-old mother of George Parson, are in serious condition with face lacerations and internal injuries.

Texas Department of Public Safety Patrolman George T. Garrett, who investigated the accident, said the car and train were both traveling north when the car turned east to cross the tracks and the collision occurred.

University National Bank "On the side of Texas A&M." —Adv.

Purchasing department due terminal computer

By PAT LITTLE

A remote terminal computer is due to be installed in the Purchasing Department's storehouse July 15 to handle its buyers' billing and the Exchange Store is in the process of having its book ordering computerized.

Exchange Store Manager Chuck Cargill said the student will benefit from the computerized ordering by the lists of books which will be printed at the beginning of each semester.

He said the list will consist of the course title and number, the name of the book, and the professor's name will be listed in cases of several professors using different books for the same course.

The computer at the Purchasing Department will be used to bill the buyer, as well as provide instantaneous inventory reports and give more accurate service to the customer, Stores Supervisor Walter C. Dandridge said Monday.

He said the computer will go through a trial period until Sep-

tember and then be put into full-time use.

The computer will be connected to the Data Processing Center, where information on the 11,500 items of the stores is kept on a small portion of a disk which resembles a phonograph record.

When a customer buys an item at the storehouse a computer card with the item's stock number and other information will be put into the computer, Dandridge said.

"A card will be fed into the computer which will have on it the buyer's department and the billing account number," he explained.

This information is relayed to the DPC where it is run through the computer and an itemized bill with the per item price and the total price will be sent back to the buyer.

A bill will be sent at the end of each month to the buyer, showing purchases made during the month. The buyer will be able to compare his individual bills with

this total monthly bill.

The new concept, of which A&M is one of the first universities to use, will do away with the present system of hand-processing each order. A ticket is written and every two days the accumulated tickets go to the DPC where they are key-punched by hand and run through the computer.

Police Division opens course

The Police Training Division of the Texas Engineering Extension Service opens a four-week general law enforcement course Monday here for police officers from throughout the state.

Chief Instructor Ira E. Scott said approximately 20 officers are expected to enroll in the course. It is the fifteenth offered at the Texas A&M Research Annex training area.

Scott noted the 140-hour program gives participants the required courses to complete minimum requirements for certifica-

ROTC units donate clothes to help needy

Needy people in numerous foreign countries have clothing — thanks to the ROTC program.

Salvaged clothing worn by cadets in the Army and Air Force ROTC programs here is contributed to Church World Services, which distributes apparel according to known need.

Col. Jim H. McCoy noted contributions started in 1961, when initial arrangements were made by the late Dr. Dan Russell, 38-year sociology professor.

"This disposition is most appropriate and goes to a very good cause," the commandant remarked.

Floyd T. Mathis, military property custodian, said it is the most practical course available.

"By regulation, we can either give the salvaged clothing away to an organization such as this, or destroy it," Mathis explained. "It cannot be sold to an individual."

The clothing is purchased by Texas A&M with federal funds allocated on a per-cadet basis. The military property custodian returns directly to the Army some items issued for Army ROTC cadets when they become unserviceable.

Shirts, trousers, jackets and raincoats contributed to Church

World Service are unserviceable items turned in by cadets for replacement.

"Most items have lots of good wear left," Mathis added. "Some pieces may have unremovable stains or be worn through in places such as pocket edges and on the collar. For people who don't have any clothes at all, I think these clothes would be very welcome."

"It's a good way of helping people," he said.

CWS trucks, which average three annual pickups of about 6,000 pounds each, will back up to the 12-dorm services building

clothing warehouse Monday for 113 stuffed duffel bags, an average size load from Texas A&M.

Church World Service pickups also are made at the First Presbyterian Church in Bryan and Our Savior Lutheran Church of College Station. Mathis said Houston and Austin headquarters arrange sorting, packaging and delivery of the clothing to points of need throughout the world.

He works through N. A. Sundwall, Austin field director of CROP which also conducts the Community Hunger Appeal, and Philip N. Zinn, Houston headquarters manager.

Texas vets given view of new field

Texas veterinarians were given a brief glimpse at a new field — aquatic veterinary medicine — during the 23rd annual veterinarian conference.

Dr. George W. Klontz, one of five aquatic veterinarians in the United States and the only one in college teaching, pointed out a South Carolina catfish farmer harvested 340,000 pounds of dressed catfish per acre foot last year.

The associate professor said it was an indication of what can be done in fish farming, noting 30 cents out of every dollar in farming fish is spent on preventive medicine.

"Fish farming isn't a simple matter of having fish in water," Dr. Klontz declared. "You need the right kind of fish and the right kind of water."

He estimated the average catfish farmer could gross between \$500 to \$1,000 an acre, while grain farmers average about \$250 an acre.

"The trouble with fish farming is farmers are getting into it," he related.

"A rice farmer can raise jillions of fish in ponds, but he may not know what to do with the fish or how to prevent disease."

Dr. Klontz said the same is true of other types of fish, including trout and even salt water game fish.

He told the veterinarians attending the two-day program that fish farming is a whole new industry in its infant stage, with A&M offering the only aquatic veterinary medicine program in the U. S.

An example of one problem is galvanized zinc water systems, Dr. Klontz disclosed. He said the metal is lethal to fish, yet is used in many fish farm water systems.

He disclosed a new metal bait bucket used by sports fishermen has a killing effect on the bait.

The conference opened Thursday morning with 125 Texas veterinarians expected to attend.

GREAT SAVINGS PLAN made even better by new legal rates at FIRST BANK & TRUST. Adv.

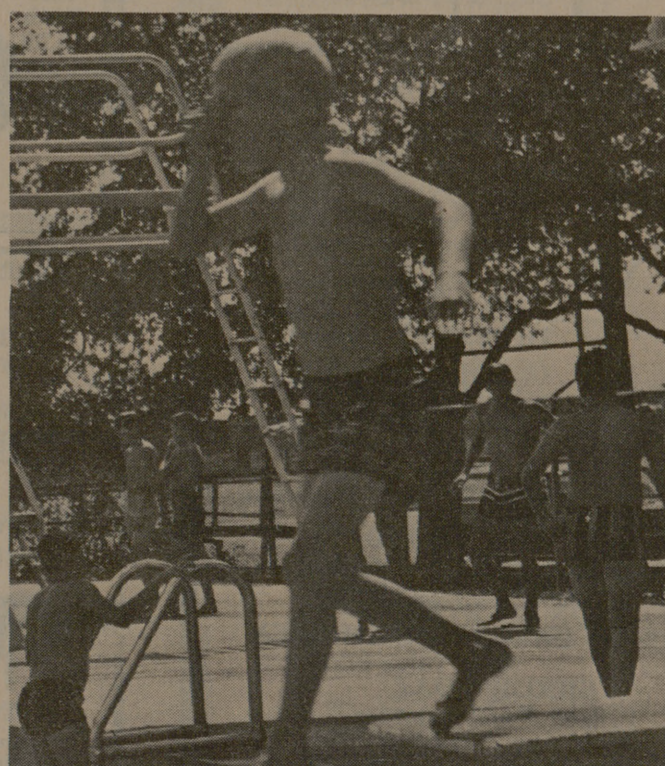
Youngsters display diving techniques at W. Cain Pool



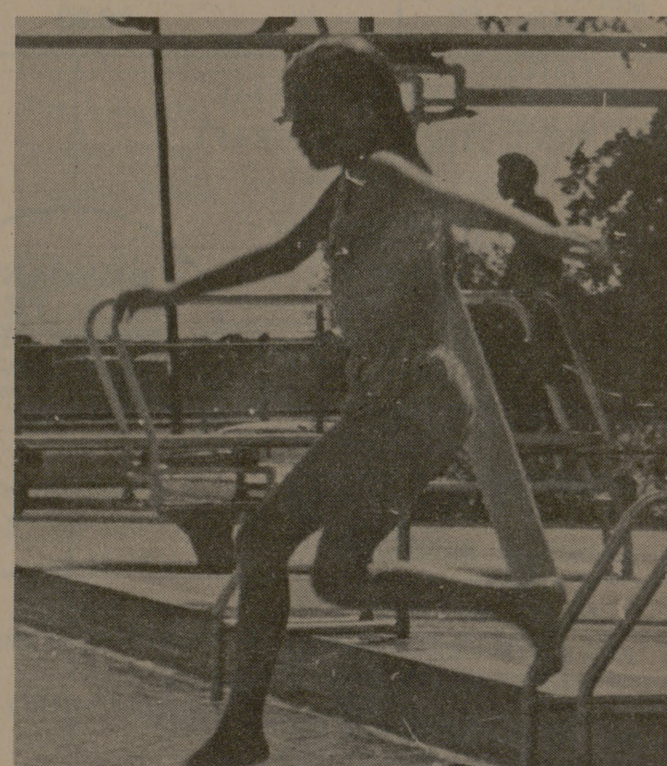
Ready or not, here I . . .



. . . come, oops, I slipped . . .



here goes nothing . . .



it's as easy as walking . . .