



The Battalion



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AQUANAUT MEETS DOLPHIN
... trainer feeds porpoise while Carpenter, Rudders look on.

Carpenter Says Sea Contains Vast Riches

Hydro Knowledge Must For Future

By **DANI PRESSWOOD**
Scott Carpenter, America's only astronaut-aquanaut, outlined the vast importance a knowledge of the oceans holds for future generations in the Hydrospace Fiesta's keynote address Monday night.

Outerspace flight is enjoying a great amount of glory, he said, "but the riches that await us on the sea floor are much more attainable than those on the surface of the moon."

Carpenter, the Mercury astronaut who piloted the three-orbit Aurora 7 flight in 1962, turned his attention to underwater exploration in the spring of 1965, living at a depth of 205 feet for 30 days in the Navy's SeaLab II project.

Carpenter emphasized the ocean's great potential in regard to food, natural resources, weather control and national defense measures.

In a world which sees 100,000 persons added to its population each day, "the ocean represents a source of food which can no longer be denied," he pointed out.

The naval commander expressed optimism toward future "ranching," harvesting and hydroculture, or farming the ocean floor. He estimated that 40 per cent of the world's oil supply lies untouched beneath the sea as well as gold and diamonds, which are being mined at a rate of 5,000 karats daily.

Turning to national defense, Carpenter encouraged the use of the sea floor as a missile site. "What better hard site could you find for a missile than underwater?" he asked.

Carpenter explained that the purpose of the deep sea program presently in operation is to develop a rescue system utilizing small deep submersibles, large object recovery, small object recovery and utilization of a mobile nuclear-powered sea laboratory.

Narrating a color film of the

SeaLab II project, Carpenter described the problems involved in the undertaking.

"Divers are deaf and mute underwater," he said. "They need to be given good communication equipment." Cold water and poisonous sea creatures also affected the 500,000 pound structure's 10-man crew.

Carpenter feels much is to be learned from sea life, especially from the talented porpoise.

"The porpoise is 10 times more efficient than the best designed torpedo. There is a weird undulation of the skin which causes a drastic reduction in the drag," he added.

Rear Admiral Odale D. Waters Jr. a naval oceanographer, will present the Hydrospace Fiesta's second speech at 8 p.m. Wednesday in the Memorial Student Center Ballroom.

Space Fiesta Schedule

WEDNESDAY

- 10:10 a.m.—movie: "Food from the Sea" (Coffee Shop)
- 3:10 p.m.—movie: "Conquest of the Deep" (Coffee Shop)
- 4:10 p.m.—movie: "Science of the Sea" (Ballroom)
- 8 p.m.—"The Big Picture of U. S. Involvement in the Oceanographic Field" — Rear Adm. O. D. Waters Jr. (Ballroom)

THURSDAY

- 11:10 a.m.—movie: "Key to the Deep" (Coffee Shop)
- 3:10 p.m.—movie: "Sealab I" (Coffee Shop)
- 4:10 p.m.—movie: "Oceanography, Science for Survival" — (Ballroom)
- 8 p.m.—"Porpoises That Join the Navy"—Dr. Sam H. Ridgway, D.V.M. (Ballroom)

FRIDAY

- 9:10 a.m.—movie: "Careers in Oceanography" (Coffee Shop)
- 2:10 p.m.—movie: "Goblin on the Doorstep" (Coffee Shop)
- 4:10 p.m.—movie: "The International Indian Ocean Expedition" (Ballroom)

Connally Tech School Insures Grads' Future

Texas A&M's "college for blue collar workers" guarantees its graduates a new job and a bright future.

The James Connally Technical Institute in Waco, founded in 1965, has already begun training technicians and specialists in space-age skills. A pilot program in precise instrument measurements opened in January. Eight hundred students can be accommodated in September when 15 courses will be offered.

Salaries for graduates of these programs will be "among the best in industry," Dr. Roy W. Dugger points out. The A&M

vice president and director of Connally Tech believes job placement will not be a problem.

"Our biggest concern is students who accept good offers before they have completed their program of study," he said.

Dugger estimated Texas' expanding industry would require more technicians than the institute could train, even when it hits the 5,000-student mark in 1969 or 1970.

"Our state is becoming an industrial giant," he stressed. "New products and new processes will require more and more workers with new, complex skills."

Connally Tech graduates will be prepared to enjoy the economic benefits that grow out of Texas' technological development, he added.

Courses for the institute were planned in consultation with 1,000 industrial representatives, Dugger said.

"This assures our graduates that jobs are waiting for them and assures industry that their skills will be those needed," he explained.

Programs are divided into two categories: the technical education center which offers two-year highly technical subjects leading to an associate of science degree, and the vocational development center, which offers courses of less technical nature, and, in many cases, for terms of less than two years.

The coeducational institute will eventually have a 2,300-acre campus when the U. S. Air Force moves from Connally Air Force Base. The military program is gradually phasing out as Connally Tech builds up with 1968 as the changeover target date.

Tech classes will be taught in refinished Air Force classrooms and laboratories. Single men and women students will be housed in two-to-a-room airconditioned barracks; married students will use officer quarters.

A&M Research Ship Leaves On Ocean Temperature Study

The fourth cruise in an ocean temperature study series by the Texas A&M research vessel Alaminos departs from Galveston Wednesday.

Dr. Dale F. Leipper has charge of the nine-man study to cover 2,200 miles of Gulf of Mexico waters.

Larry L. Brennan, Carroll Brunson, Ken Bottom, Glenn Gray, Donald Koelsch, John Groot, William A. Burns and Ed Vos of the Department of Oceanography and Meteorology will make the two-week cruise.

The trip will employ primary bathythermograph observations and regular hydrographic stations in recording temperatures in the Eastern and Western Gulf. Purpose of the research is to study temperature changes in the water as affected by climatic conditions.

"This is the coldest month of the year," Leipper said.

Earlier cruises recorded temperatures of the hottest month and transitional months.

Leipper said the Alaminos will make a single swing across the

Western Gulf and spend most of its time in the Eastern area, making intensive studies of its strong eddy current system.

"We'll come back along the coast where water is most affected by winter weather," he said.

Casting To Begin For Saroyan Play

Aggie Player casting for William Saroyan's Pulitzer Prize-winning play, "The Time of Your Life," begins at Texas A&M Tuesday.

Robert Wenck, director, said casting will be held Tuesday and Wednesday at 7:30 p.m. on the Guion Hall stage.

The cast calls for 18 men and nine women. Anyone interested is invited to read for a part, Wenck added.

"A Negro musician is specified in the cast," he said. "We prefer a piano player but it could be a guitar or piccolo."

"The Time of Your Life" won the New York Drama Critics Circle award in 1939 when it was first produced. William Bendix, as Krupp the honest cop, received his first stage recognition with the play. It is a three-act "high" comedy, set in San Francisco in 1939.

"It is a story about real people, not caricatures," Wenck said. "It is like Candid Camera. The funny business comes from reality, not situations."

The Aggie Players production, to start March 21 for a six-night run, is produced by C. K. Esten.

Applications Accepted For Meeting Rooms

Applications for meeting rooms for student organizations and clubs for the spring semester will be accepted in the Memorial Student Center beginning Thursday.

Groups should turn in requests for rooms to the MSC social and educational department.

Rooms will be provided without charge.

6 Graduate Students Receive Air Force Service Medals

Medals were presented to six graduate students at an Air Force Institute of Technology meeting Monday at Texas A&M.

Three Air Force Commendation medals, two Oak Leaf Clusters and a Combat Readiness Medal were awarded by Col. Raymond C. Lee, professor of aerospace studies.

Recipient of a cluster to the Commendation Medal was Capt.

Billy M. Poston. Capt. Phillip J. Wendt received the first Oak Leaf Cluster to the Air Medal.

Commendation Medals went to Capt. Lynn L. LeBlanc, Lt. William A. Albro and Lt. Kenneth E. Russell. Capt. Terrance L. Mish was awarded the Combat Readiness medal.

Graduate students in the AFIT program at A&M, the officers received the medals for distinguished service at three stateside air force bases and fields in Japan, Germany and Viet Nam.

LeBlanc was cited for service as a systems analyst at Offutt AFB, Neb., and developing computer programs to solve meteorological analysis problems.

Intelligence briefings were Russell's forte. His work caused him to be selected for briefings at 15th Air Force Wing headquarters and division commander's conferences at March AFB, Calif.

Weather support communications work by Albro was cited in the presentation of his Commendation Medal. The Rhode Island native was communications officer for the 30th Weather Squadron, Tan Son Nhut Airfield, Viet Nam.

Wendt was a pilot with the 6091st Reconnaissance Squadron out of Yohata Air Base, Japan.

Automatic data processing systems project officer to the European District Auditor General, Lindsey Air Station, Germany, Poston received the first Oak Leaf Cluster to the Commendation Medal for accounting systems and accounting machines techniques and instruction. He is a 1953 graduate in accounting.

The Combat Readiness Medal was awarded to Mish for aircrew service while in the 486th Bombardment Squadron at Bergstrom AFB.

Mortimer's Notes

FASTER THAN a speeding bullet? Not any more . . . That cautious driver you see on campus is probably Herky Killingsworth, Battalion photographer and columnist . . .

Mr. K returned from the semester break last Wednesday not quite expecting the warm welcome he received . . .

Bryan patrolman David McDaniel stopped him for exceeding the accepted speed in a school zone . . . Less than four hours later, McDaniel pulled him over again — supposedly for speeding on Villa Maria Road . . .

Killingsworth's first citation came on Sulphur Springs Road, which he had to spell for the Bryan cop . . . The second ticket charged the photographer with speeding on "Willia Merri" Road . . .

MR. K's LUCK is holding out this week, too . . .

Monday he received a large bill from the Sheraton-Oklahoma Hotel in Oklahoma City . . . No, he didn't throw a wild New Year's party or anything like that . . .

He simply was a guest of the basketball team at the Oklahoma City Tournament during the Christmas holidays . . . Somehow, the hotel people must have thought he looked rich . . . The bill covered the entire team's four-day stay . . .

Killingsworth promptly passed the statement on to the Athletic Department . . .

THE PARKING situation has eased considerably with the removal of freshman cars to the Hempstead lot and the normal dropout date . . .

But the problem got so bad at nearby Stephen F. Austin High School in Bryan that students and teachers must acquire parking stickers . . .

WELL, THE PORPOISE is swimming around in the basement of the MSC now contributing to A&M's drive toward aquatic excellence . . .

It is an unusual sight at any rate, but it does raise the question if funds expended for the porpoise could have been better applied in other areas . . .

Like maybe travel expenses for another speaker either at the Hydro-Space Fiesta or SCONA . . .

A COUPLE of observations about the opposite sex: Women are very loyal. When they reach an age they like, they stick to it . . .

If you don't think women are explosive, try dropping one . . . See Ya 'Round — Mortimer.



TWO FOR EDDIE

Eddie Dominguez drives underneath the basket for a twisting layup during the second half of Saturday's encounter with Texas Christian University in Fort Worth. TCU's Stan Farr (44) and Mickey McCarty (43) defend on the play. The Aggies won, 81-72, to move two games in front of the Southwest Conference with a 6-0 mark.

Chemistry Prof Speaks Wednesday

A University of Cincinnati chemistry professor, Dr. Raymond E. Dessy, will be guest speaker Wednesday for the American Chemical Society section meeting.

Dessy will discuss "Organic Electrochemistry" at the combined meeting of A&M and Baylor sections at 7:45 p.m. in the Chemistry Building.

An informal dinner for Dr. and Mrs. Dessy will be served in the Memorial Student Center dining room. Section members and guests are invited to the 6:30 p.m. event.

An associate professor at Cincinnati, Dessy was an Alfred P. Sloan Fellow. He received the B.S. in pharmacy and Ph.D. in chemistry at the University of Pittsburgh and taught at Ohio State before going to Cincinnati in 1957.