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# Oceanus exhibit attracts large crowd in first days

"Oceanus," a first-of-its-kind exhibit about the oceans, has attracted over 300,000 persons during the first 10 days of the State Fair of Texas at Dallas.

Announcement of the attendance figure was made by Dick Putlick, State Fair staff member who coordinated the exhibit with Mrs. Leatha Miloy, Sea Grant Program editor at A&M.

"Oceanus," the Latin name which many scholars believe more appropriate for our planet than Earth because our surface is 71 percent water, is located in the New Dimensions Pavilion. The exhibit will remain open to the public through the last day of the Fair, October 25.

It headlines the theme of this year's State Fair, "Exposition of the Seven Seas."

Displays prepared by A&M especially for "Oceanus" include a 30-foot panorama of the food chain of the ocean. Scale model fish were created in papier-mache by Mrs. Rosemary Boykin of the Sea Grant Program and Jack Grant of the Oceanography Department. These hang in mobile fashion against an underwater backdrop prepared by noted set designer Peter Wolf.

The Texas Agricultural Extension Service, which includes a mariculture program supported by the Sea Grant Program, prepared a shrimp farming and harvesting exhibit for "Oceanus."

The United States Navy also

has contributed many large displays, including the Ocean Van, a 40-foot traveling exhibit which tells the story of oceanography. Ten other models and displays are provided by the Navy, including a two-thirds scale mock-up of the Sea Cliff, a submarine which Fair visitors may enter and "drive" to get the feeling of underwater exploration.

Contributions from the United States Department of the Interior on marine geology and fish-protein concentrate are included in "Oceanus." The Interior Department also joins with General Electric in providing a cut-away model of Tektite II, the underwater laboratory which received national attention this summer when five women researchers lived and worked aboard it for two weeks.

The National Science Foundation has contributed a large exhibit on the Glomar Challenger, a deep-sea drilling project. A map of the Atlantic Ocean floor has been contributed by the National Geographic Society.

Students from various universities around the nation have created futuristic models of underwater cities, homes and industries, all made available through Armo Steel Company.

Models of drilling vessels and rigs are on loan to the exhibit from The Offshore Company, Dresser Industries, Wilson Industries, Le Tourneau, Humble Oil Company, and Compagnie Francaise des Petroles through ar-

rangements made by the Energy Research and Education Foundation of Houston.

Also included in the 30,000-square-foot pavilion is a working model of how sunken vessels are salvaged, created by Murphy Pacific Salvage Company. Lawrence Electronics has provided models of underwater detection equipment and skindiving equipment is on loan from the Hewitt-Robins Company.

This free, educational exhibit includes special lighting and sounds effects to simulate a walk under the sea.

## USAF program to be presented

Air Force personnel will visit Texas A&M Oct. 28 to describe an Air Force program that pays all educational expenses for pre-medical, pre-dental and pre-veterinary medicine students.

The presentation by Lt. Col. Donald L. Anderson and John E. Hoffman will begin at 7:30 p.m. in Room 228 of the Chemistry Building, announced Col. Keith C. Hanna.

The professor of aerospace studies said all students, corps and civilian, in the medical majors are invited.

Commissions as captains, Air Force medical pay and service obligations will be described by the officers from Randolph AFB.



A new pump manifold is inspected by Chief Instructor Henry D. Smith as it pumps to two deluge guns and a hand nozzle in the background.

## Experimental pump system may change fire-fighting

Instructors at A&M's Firemen Training School have successfully tested a water pumping system which may revolutionize fire-fighting tactics.

Chief Instructor Henry D. Smith explained the system includes an experimental truck pumper, 6-inch hose and manifold to distribute 1,750 gallons of water per minute to seven 2½-inch lines.

The equipment is being tested at the Brayton Fire Training Field on the campus. The Firemen Training School is a division of the Engineering Extension Service.

"This system is designed to get a large quantity of water to fires where there is a potential large loss," Smith said.

"Included would be shopping centers, apartment complexes, industrial warehouses, lumberyards, schools and churches where a great volume of water is needed to control or prevent spreading of the fire," he stated.

Smith said the manifold was built from Firemen Training School specifications by Tarrant County volunteer fire departments.

Water coming from the 6-inch hose is distributed to seven 2½-

inch lines for any combination of hand lines or deluge guns.

Each of the hand hoses can place 250 gallons per minute on the fire source, Smith pointed out.

A&M had to purchase the 6-inch hose from West Germany. The large hose is not manufactured in the United States. Smith said this is the first time it has been used in the U. S.

Special couplings were added to the hose by the instructors.

Smith said the truck can automatically drop the manifold near the fire, run the 6-inch hose out and connect the truck pumper to a hydrant up to 1,100 feet away from the fire scene.

The experimental truck pumper was delivered in September, 1969. It pumped an average 2,350 gallons per minute in tests and received a 1,750 gallons per minute rating by the Underwriters Laboratory.

Most modern fire trucks pump a maximum of 750 gallons per minute, Smith noted.

The truck was designed by the Firemen Training School staff and representatives from 35 Texas fire departments.

One man can operate the pumper, which has the capability of

producing more gallons per minute than three average trucks.

Instead of the normal 2½-inch intake and outlet connections, the A&M pumper has a 6-inch intake and 6-inch outlet feeding the 6-inch hose.

Smith reports there was no loss of pressure from the truck to the manifold during the testing period.

## Friday deadline to apply for exam

Friday is the deadline for students to get applications for the foreign service written exams into the mail to the U. S. State Department, according to J. M. Nance, History Department Head.

Students interested in State Department or U. S. Information Agency career appointments may take the written examination Dec. 5. Dr. Nance said State Department Form DSP-24, available at any post office, must be postmarked no later than Friday.

The forms and information about qualifications also are available from Dr. Nance in Room 208, Nagle Hall.

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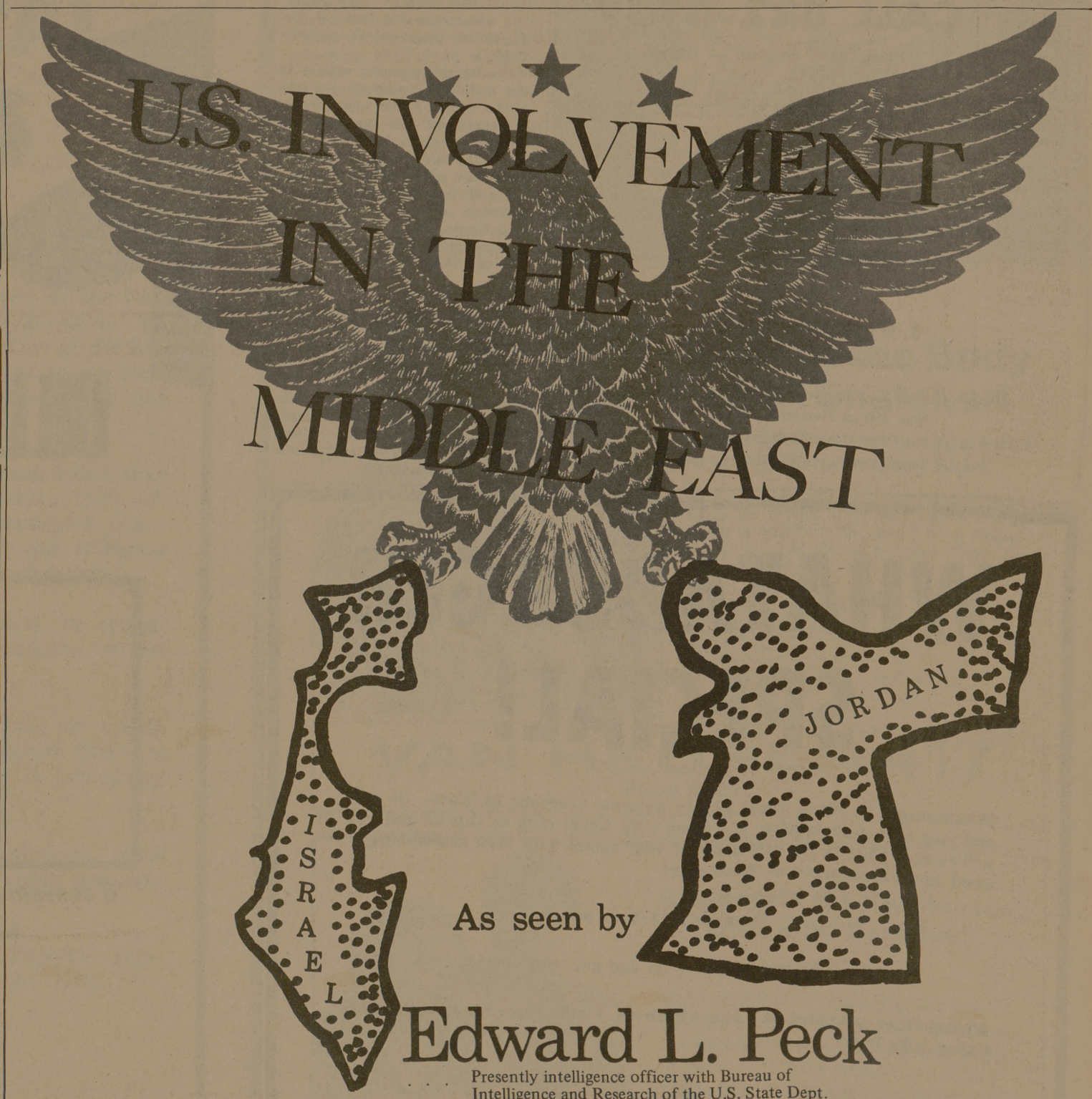
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