

Ancient Ship Uncovered

What is believed to be a late seventeenth or early eighteenth century Turkish warship has been discovered in 30 feet of water at the mouth of Acre harbor, on the Israeli coast, near Haifa by an Anglo-Israeli expedition.

This was the culmination of a three-week survey financed by the Wolfson Foundation, from which Dr. Edward T. Hall, director of the Research Laboratory for Archaeology here has just returned.

The wreck was found while the expedition was plotting the ancient submerged fortifications at Acre. The ship measures about 200 feet in length and was deeply covered with silt.

Alexander Flinder, secretary of the British Sub-Aqua Club, and a team of six Israeli divers brought up bronze objects and a considerable quantity of wooden planking from it.

The fact that the planking was of pine, and the type of fastening used, indicates that the vessel was almost certainly a Turkish warship of about the 1675 period.

The find was made only two days

before the British members of the expedition had to leave. Israeli divers and archaeologists are continuing the investigation with a view to a more ambitious operation.

While on the Israel coast, the expedition spent three days off Ashdod, in a vain search for a Canaanite ship of the early second millennium B.C. Fishermen had brought up 18 amphorae (tall two-handled earthenware jars used for wine and oil), which archaeologists have identified as from this period. The area in which the wreck lies has been narrowed, opening up what are hoped to be good prospects for its eventual discovery.

Dr. Hall used his own yacht to test a new type of magnetometer which detects metallic anomalies on the seabed. It operates in a way very similar to the instrument now widely used by archaeologists on land except that it is towed in a torpedo-shaped container and transmits its reading to recording instruments on the yacht.

Earlier, Dr. Hall had used his new magnetometer equipment, at the re-

quest of Turkish salvage experts, to locate two British and French battle-ships sunk in the unsuccessful attempt to force the Dardanelles Narrows in March 1915. He found the British ship Ocean in 180 feet of water off Lancashire Landing, and the French battleship Bouvet three miles away.

Turkish experts are considering the possibility of patching the hull of Ocean, which was cleanly holed, raising her by compressed air and then towing her away for scrap.

Films of the Week

Listing for readers' information of new 16mm and 8mm films on science, engineering, medicine and agriculture for professional, student and general audiences. For further information on purchase, rental or free loan, write to distributor listed.

Note: the following films are from the National Educational Television series SPECTRUM. They are available for purchase, or for rental (prices quoted are for one to five days) from the Audio-Visual Center, Indiana University, Bloomington, Ind. 47401.

ANIMAL REASONING. 16mm, b&w, sound, 9 min. Reports on research being done at Tulane University concerning the reasoning ability of lower forms of animals, and shows the surprising capacity for adaptive behavior in animals demonstrated by using laboratory rats. Audience: general. Purchase \$50 or rental \$2.15.

APHASIA: THE ROAD BACK. 16 mm, b&w, sound, 17 min. Shows people afflicted with total or partial loss of speech being rehabilitated under a new program at the University of Chicago. Audience: general. Sale \$75 or rental \$3.90.

AUTISM'S LONELY CHILDREN. 16mm, b&w, sound, 20 min. Explains work with autistic children being conducted at UCLA, showing how attempts are being made with a device called a "learning box" to teach individual autistic children to talk and identify objects for the first time. Audience: general. Purchase \$75 or rental \$3.90.

DRUGS AGAINST CANCER. 16mm, b&w, sound, 14 min. Discusses research being conducted in the area of palliative cancer drugs at Tulane, and the program of a network of nine southwestern research centers, showing how the correlation of results indicate the life of cancer patients is being prolonged. Audience: general. Purchase \$75 or rental \$3.90.

ESP: THE HUMAN "X" FACTOR. 16mm, b&w, sound, 30 min. Investigates the study of ESP (extrasensory perception) with a visit to the Parapsychology Laboratory at Duke University, Dr. J. B. Rhine discusses his attempts to prove conclusively the existence of extrasensory perception and its possible relationship with psychosomatic ailment and religion.

EXPLORING WITH SOUND. 16mm, b&w, sound, 8 min. Demonstrates work with ultrasound at Northwestern University, and discusses implications of future use for routine clinical work in medicine. Audience: general. Purchase \$50 or rental \$2.15.

NEW SIGHT FOR THE BLIND. 16mm, b&w, sound, 17 min. Shows experimental sensory devices, under study at Stanford Research Institute, which may one day replace conventional aids for blind people. Audience: general. Purchase \$75 or rental \$3.90.

ORIGINS OF MAN. 16mm, b&w, sound, 30 min. Dr. William White Howells, Professor of Anthropology at Harvard, discusses the latest findings and theories on the origins of man. Audience: general. Purchase \$125 or rental \$5.40.

THE SOVIET "MOSQUITO". 16mm, b&w, sound, 10 min. Presents film from Moscow, showing Soviet heart surgeon implanting an electronic device used to stimulate hearts to beat, and explains how this "mosquito" operates independently for three years before it needs renewing. Audience: general. Purchase \$50 or rental \$2.15.

SPLIT BRAIN OPERATION. 16mm, b&w, sound, 13 min. Neurosurgeons at California Institute of Technology explain and demonstrate an operation in which the two hemispheres of the brain are separated surgically along the corpus callosum, and how new understandings of how the brain works may come from this type of study. Audience: general. Purchase \$50 or rental \$2.15.

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