

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.

ARE WE FIRE SAFE? 16mm, color, sound, 8 min. Points out the fire safety features which should be taken into consideration when buying or building a home. Audience: general. Purchase for \$88 from National Fire Protection Association, 60 Batterymarch St., Boston, Mass. 02110.

CANADIAN WILDLIFE. 16mm, color, sound, 16 min. Shows nineteen animals and birds of Canada, including Rocky Mountain bighorn sheep, water ouzel and boreal owl. Audience: general. Rental information or purchase for \$175 from Northrn Films, Box 98, Main Office Station, Seattle, Wash. 98111.

CONSTRUCTION OF THE FIRST PIPELINE IN COOK INLET ALASKA. 16mm, color, sound, 23 min. Pipeline operations in Alaska where tidal changes and temperatures present extreme construction conditions and require advanced engineering methods. Audience: engineering and sub-sea mining specialists. Free loan from J. Ray McDermott and Co., Inc., Second Floor, Saratoga Building, New Orleans, La. 70160.

THE DESERT. 16mm, color, sound, 10 min. Portrays the North American Desert. boundaries, role of mountains in capturing moisture, and plants and animals which are able to survive in arid regions. Audience: elementary grade science. Purchase for \$120 from Arthur Barr Productions, 1029 N. Allen Ave., Pasadena, Calif.

FIRES AND WIRES. 16mm, color, sound, 22 min. Demonstrates specific electrical emergency procedures, protective equipment and methods for control of electrical hazards at site of automobile accidents, fires, and construction sites. Based on handbook, "The Fire Fighter and Electrical Equipment." Audience: emergency personnel, general adult, schools. Purchase \$185 or three-day rental, \$8, from Henk Newenhouse Inc., 1017 Longaker Road, Northbrook, Ill. 60062. (Produced for Detroit Edison Co.)

THE INFORMATION EXPLOSION. 16mm, color, sound, 21 min. Shows that the computer is the tool of man rather than the reverse, and that man does the thinking which directs the computer. Audience: high school, general adult. Purchase for \$194 from Association Instructional Materials, 347 Madison Ave., New York, N. Y. 10017, or rental \$4 per day from Association Films branch offices. (Produced by National Science Teachers Association.)

OSMOSIS. 16mm, b&w, sound, 21 min. Explains osmosis and osmotic pressure, and how it applies to living cells. Licensing for use from Teaching Film Custodians, 25 W. 43rd St., New York, N. Y. 10036. Rental through state university or state department of education film libraries.

YOUR BODY REPAIRS AND MAINTAINS ITSELF. 16mm, color, sound, 11 min. Shows how skin and blood cells are replaced, and how bones mend. Audience: grades 4-9, science. Purchase for \$120 color, \$60 b&w, from Coronet Films, 65 E. South Water St., Chicago, Ill. 60601.

Thought-Charging?

Little understood but lab demonstrated with Thoughtforms, TF. Instruments, medicines, lotions, foods TF-charged for bio-results, reported. Auto lifted by 125-lb. woman. Champion weight lifter Anderson credits it. Some atomic labs report "ghosts" (vibrations) in experiments. U of Calif. finds flatworm exhibits characteristics of victims eaten. U of Calif. medics exhibit symptoms of diseases studied; 78.8% Eastman exhibits thought-charged photos, of 12,000. Under test, U.S. Defense, industry. Overdue in schools?

Concise TF Folio Manual, \$2 non-profit . . . with thought-charging information, opens wide vistas.

SENSITRON SYSTEM (Est. 15 years) Box 1126, St. Augustine, Florida, 32084 (prior 1956 in New York City). Member, Radionics Centre Organisation. Oxford, England. (Adv.)

METEOROLOGY

Swedish Air Force Orders Weather System

➤ ONE of the world's most automatic meteorological systems has been ordered by the Royal Swedish Air Force, to be in operation by 1969.

The system, which will cost more than \$3 million, will be used by the Swedish Military Weather Service at two forecast centers, to accept and process data from ground stations, weather ships and weather satellites.

Some three million teleprinter symbols, which at present make up the daily weather information for the Northern Hemisphere, will be fed directly into the computer complex, where they will be decoded, checked and sorted. This quantity of data is expected to multiply in the near future.

Weather maps, from which forecasts are made, will be produced automatically on digital plotters and data will be displayed in written form on TV-like picture tubes. In some cases, even the forecasts themselves will be produced automatically by the computer system.

There will be no paper involved in the entire forecasting chain, apart from the weather maps plotted by the computer. All other information will be handled "on line" by the computer, and presented as necessary on electronic displays.

The complete system has been designed to accommodate considerable expansion in the future, should the need arise.

Programming of the computers will be undertaken by Marconi and Svenska Radio AB in close cooperation with the Swedish Air Force Board and the Military Weather Service.

SPACE

Moonport Site Lies Near Treasure Run

➤ THE OCEAN area off Kennedy Space Center launch complexes at Cape Kennedy is littered with shipwrecks. They range from Spanish treasure-bearing vessels to World War II vintage freighters.

After 1560, the principal trade route from America to Spain followed the Gulf Stream up past Cape Canaveral (now Cape Kennedy) and veered westward past Bermuda.

Many ships became victims of

storms, warships and pirates, or of the treacherous shoals off the point of Canaveral. (A lighthouse was not added until the mid-19th century).

Although a number of those vessels that went down—particularly any carrying riches—were salvaged soon after, quite a few of them have remained untouched over the years, due to poor underwater conditions, insufficient information about locations and inadequate diving and salvage equipment.

Some, in fact, lie within a few hundred feet of the Delta, Gemini, Centaur and Saturn rocket launch complexes. Others are in deeper waters, protected by shifting sands, sharks and other hazards.

In December 1963, one shipwreck site was located about four miles off shore with a magnetometer.

At a depth of 40 to 45 feet, four or five large encrusted cannon were found—all made of iron. It was determined the ship had gone down prior to 1750.

Divers ascertained the site to be roughly 140 feet in length and 50 feet wide. Three months later they tried again and uncovered two wooden planks, a strip of lead and a piece of leather.

In June 1964, on a third excavation attempt, lead shot and a metal crucifix were uncovered, along with some old Gothic type letters, evidently part of a book.

Later, pages of printing—old German—were found, but the wreck itself was never specifically identified.

And yet, it is but one of numerous wrecks lying silently under the sea over which the Saturn rockets today roar to life; a watery graveyard that holds many unexamined pages in Kennedy Space Center's fascinating history.

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