

## films OF THE WEEK

Listing is 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.

**THE ATOM: YEAR OF PURPOSE.** 16mm, color, sound, 29 min. Describes 17 major developments in the peaceful uses of the atom, as well as six spin-offs. The major stories include: first refueling of the nuclear ship Savannah in six years; the growth of nuclear power stations, experimental Breeder Reactor II, work on the giant 200 BEV atom smasher, Project Buggy and Project Gasbuggy (for the peaceful applications of nuclear explosives) for large-scale excavation and natural gas stimulation and the Phoebe-2A full-power ground test of nuclear-powered space rocket engine. Audience: general. Purchase \$84.16 from Geo. W. Colburn Laboratory, 164 N. Wacker Dr., Chicago, Ill. 60606 or free loan information from Audio-Visual Branch, Department of Public Information, Atomic Energy Commission, Washington, D.C. 20545.

**MAPPING THE EARTH'S SURFACE.** 16mm, color or b&w, sound, 16 min. A fascinating on-the-scene account made with the cooperation of the United States Geological Survey. Shows how maps are produced from accurate location of points on earth to printed reproduction. Students see how new measurements begin with an already established location point marked in metal, and how by triangulation methods, other points are determined. Audience: junior, senior high. Purchase color \$195 or b&w \$97.50 from Coronet Films, 65 E. S. Water St., Chicago, Ill. 60601.

**THE SAFE HANDLING OF ENRICHED URANIUM.** 16mm, color, sound, 22 min. Filmed primarily at the A. E. C.'s Y-12 Plant in Oak Ridge, Tenn., the motion picture introduces concepts of nuclear fission and criticality, and explains the reasons for safety procedures that are observed in the handling of enriched uranium and other fissionable materials. Contents include: an animated sequence which explains difference between U-238 and U-235; the concepts of nuclear fission and criticality; uses of enriched uranium; and scenes of persons working with U-235 in various forms (gas, powder, metal). Audience: new employees in nuclear production plants with or without technical background. Purchase \$63 from Calvin Productions, 1105 Truman Rd., Kansas City, Mo., 64106, or free loan information from Audio-Visual Branch, Division of Public Information, U.S. Atomic Energy Commission, Washington, D. C. 20545.

**YOU AND THE COMPUTER.** 16mm, color, sound, 9 min. The purpose of the film is to acquaint audiences with an easily understood aspect of a computer's function and to arouse an interest in future, computer-related study. The viewer is shown how an individual pay check would be figured and issued by hand and then how a computer would do the job. Audience: high school, trade school, industrial training classes. Free loan information from General Electric Educational Films, 60 Washington Ave., Schenectady, N.Y. 12305.

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## books OF THE WEEK

Listing is an editorial service for readers' information. For convenient purchase of any book listed or any U.S. book in print, remit retail price (we pay postage) plus 25c handling charge to Book Order Service, Science News, 1719 N St., N.W., Washington, D.C. 20036. Prices subject to publishers' changes. Be sure to include zip code in your address.

**ATLAS OF PROTEIN SEQUENCE AND STRUCTURE,** 1969, Vol. 4—Margaret O. Dayhoff—Nat'l Biomedical Res. Foundation, 1969, 360 p., diagrams, paper, \$12.50 direct to publisher, P.O. Box 692, Silver Spring, Md. 20901. Presents the latest experimental results of amino acid sequence determinations in a uniform format.

**DARWIN AND THE BEAGLE**—Alan Moorehead—Harper, 1969, 280 p., color plates, illus., map, \$15. Vivid narrative recreates the adventurous journey of the young scientist, illustrated with many 19th century reproductions.

**THE ENCYCLOPEDIA OF MARINE RESOURCES**—Frank E. Firth, Ed.—Van Nostrand Reinhold, 1969, 740 p., photographs, illus., \$25. Authoritative and detailed information on the world's ocean resources, from abalone to whales, covering such topics as the benthonic domain, bromine from the sea, fishery engineering, interstitial fauna, law of ocean space, mortality in the sea, Peru Current, and sea farming.

**FIFTH INTERNATIONAL SYMPOSIUM ON CHROMATOGRAPHY AND ELECTROPHORESIS**—Brussels, 1968—M. Lederer and others, P. de Moerloose, Chmn.—Ann Arbor-Humphrey Science Pubs., 1969, 594 p., illus., \$21.50. Organized by the Belgian Society of Pharmaceutical Sciences, proceedings deal with current work done in Europe and U.S.A.

**FLOWERING PLANTS: Origin and Dispersal**—Armen Takhtajan, transl. from Russian by C. Jeffrey—Smithsonian Inst. Press (Random House), 1969, 310 p., 13 plates, illus., \$6.95. A broad treatment of the origin and dispersal of angiospermous plants by world authority on plant taxonomy and morphology.

**FOOD FOR US ALL: The Yearbook of Agriculture 1969**—Jack Hayes, Ed., foreword by Clifford M. Hardin—USDA (GPO), 1969, 400 p., color plates, photographs, \$3.50. Describes for food shoppers the various types of wholesome quality food available to the U.S. consumer.

**THE HIDDEN FOREST**—Sigurd F. Olson—Viking Press, 1969, 127 p., color photographs by Les Blacklock, \$14.95. Close-up views and short essays take the reader beneath the trees, close to the forest floor, among lichen, mosses, boulders, leaves and berries, to observe the changes of the seasons.

**THE KEY**—John Philip Cohane, preface by Cyrus H. Gordon—Crown Pubs., 1969, 288 p., 54 plates, \$7.50. Amateur researcher's speculative study, linking through key words and place-names widely dispersed cultures, illustrated with archeological finds of prehistoric civilizations.



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