

SCIENCE NEWS

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Printed in U.S.A. Second class postage paid at Washington, D. C. Established as Science News Letter® in mimeograph form March 13, 1922. Title registered as trademark U. S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide and the Engineering Index. Member of Audit Bureau of Circulation. UNSOLICITED MANUSCRIPTS will not be returned unless accompanied by a stamped, self-addressed envelope.

Published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D. C. 20036. NOrth 7-2255. Cable Address: SCIENCE-SERV.

ADVERTISING

L. D. Young, Advertising Director, SCIENCE NEWS, 1719 N St., N.W., Washington, D. C. 20036, Phone 202-667-8945.

Advertising Representatives: SCRIPPS-HOWARD NEWSPAPERS. General Advertising Department: 200 Park Ave., New York, N.Y., TN 7-5000; 400 N. Michigan Ave., Chicago, Ill., SU 7-3355; Suite 211, Braniff Building, Dallas, Tex., PL 7-3847; 908 E. Northland Tower, Southfield, Mich., 444-4595; 6363 Wilshire Blvd., Los Angeles, Calif., OL 3-0026; Room 1522, Philadelphia National Bank Building, Philadelphia, Pa., LO 3-6275; 100 California St., San Francisco, Calif., 989-5570; Suite 417, 3384 Peachtree Rd., N.E., Atlanta, Ga. 261-1571.

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 audience. For further information on purchase, rental or free loan, write to distributor.

BEACH AND TIDEPOOL LIFE. 16mm, color, sound, 18 min. Three different zones of the ocean environment—open water, tidepools and sandy and rocky shores—are explored with an emphasis on the variety of plants and animals seen in each. Ecological interrelationships of these living organisms are developed with attention to the protective body forms and feeding habits. Audience: general biology or introductory ecology courses. Purchase \$210 from International Film Bureau, 322 S. Michigan Ave., Chicago, Ill. 60604.

EXPANSION OF LIFE ON LAND: AMPHIBIANS AND REPTILES. 16mm, color, sound, 12 min. Discusses the close relationship between environmental changes and the evolution of living organisms, the emergence of animal life from water to land, and some of the ways scientists work to understand the mystery of how various forms appeared and changed. Also includes the emergence of reptiles, including the era of the great dinosaurs. Audience: upper elementary, junior high. Purchase \$160 or rental \$10 from McGraw-Hill Films, Dept. DF, 330 West 42nd St., New York, N. Y. 10036.

AN EXPERIMENTAL STUDY OF RUMINATORICULAR MOVEMENTS IN SHEEP. 16mm, color, English sound, 22 min. Descriptive study of the gastric complex of the ruminant herbivora. Examination of the motor cycle of the forestomachs as well as nervous and humoral regulation of the mechanical phenomena. Audience: veterinary, biology students. Loan for \$5 fee from Society of French American Cultural Services and Educational Aid, 972 Fifth Ave., New York, N. Y. 10021.

INSECT TISSUE CULTURE. 16mm, color, sound, 16 min. Methods of obtaining continuous cultures of insect cells have only recently been developed. Film shows how these cultures were first made in 1960 from cells obtained from the ovaries of the eucalyptus moth larva. Slow-motion photography is then used to observe cell activity. Audience: high school, college. Purchase

\$200 from International Film Bureau, 332 S. Michigan Ave., Chicago, Ill. 60604.

LIVING THINGS DEPEND ON EACH OTHER. 16mm, color or b&w, sound, 11 min. Focuses on interdependence of plants and animals, and the dramatic way in which the balance of nature is maintained. Audience: intermediate grades, junior high school. Purchase color \$135 or b&w \$70 from Encyclopedia Britannica Educational Corp., 425 N. Michigan Ave., Chicago Ill. 60611.

THE MIGRATION OF GULLS. 16mm, color, sound, 12 min. Studies the migratory flight of gulls across thousands of miles of oceans, through their sham mating battles, the courtship, nesting, feeding and training of the young. Ends with their taking off on their long trip back to their winter feeding grounds. Audience: elementary, junior high, senior high. Purchase \$135 from Fleetwood Films, 34 Macquesten Parkway S., Mount Vernon, N. Y. 10550.

MODERN METHODS OF ARCHAEOLOGICAL EXCAVATION. 16mm, color, English sound, 19 min. Contemporary archaeology possesses modern techniques which allow whole regions to be explored for the treasures which so far have lain undiscovered. Remains which are not decipherable at ground level may, under favorable conditions, show up with remarkable clarity with aerial reconnaissance. Audience: high school, college, general. Loan for service fee of \$5 from Society for French American Cultural Service and Educational Aid, 972 Fifth Avenue, New York, N. Y. 10021.

ON THE ICE. 16mm, color, sound, 29 min. Antarctica, the remote continent of ice at the bottom of the world, is now yielding to exploration and development. Scientists are tunneling into the glaciers, probing the waters beneath the ice and exploring the physics of the upper atmosphere. Audience: general. Free loan from Sterling Movies, 43 W. 61st St., New York, N. Y. 10023. (Produced for National Science Foundation.)

PROFILES IN SPRAYING. 16mm, color, sound, 14 min. Enables viewers to observe in a brief span a variety of application techniques and results of spraying in various parts of the country for applications in control of weeds on county roadsides, in drainage control districts, on utility rights-of-way, and on crops such as corn and rice. Audience: professional. Free loan from Advertising Dept., Hercules Inc., 910 Market St., Wilmington, Del. 19899.

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