

SAVE 15% on SCIENTIFIC, TECHNICAL or PROFESSIONAL BOOKS! All Subjects All Publishers

Why pay high list prices for books that spell success in your career—when large discounts are as near as your mailbox?

We'll ship you ANY scientific, technical or professional book at 15% SAVING off list price. (Textbooks: 10% discount; non-profit societies and foreign, 5%.) No minimum purchase. No limit on quantities.

How to order? It's simple. Tell us the title, author and publisher of the book you want. Enclose check or money order with proper discount taken out. Add 25c per volume for handling, plus sales tax if applicable.

FREE List

of book bargains in your field. Write today!

Scientific Book Service, Inc.



114-26 Rockaway Beach Blvd.
Rockaway Park, N. Y. 11694-SC
Phone: (212) 474-4128

SPECIAL OFFER: All Current General-Interest Books (best sellers, fiction, history, art, religious, etc.) Furnished at 25% Discount! (25c per volume handling plus sales tax.)

FILL IT... SET IT... THEN FORGET IT
FOR AS LONG AS 12 MONTHS ON ONE FILLING!

ERA PRODUCTS
automatic FISH FEEDER
...IT NEVER FORGETS TO FEED YOUR FISH!

Feeds adjustable amount of dry food once a day.

attaches easily to aquarium.

precision engineered with synchronous, electric timer.

window shows food level.

STAY AT HOME OR BE AWAY—ERA FEEDS THEM EVERY DAY!



Accurate, reliable for biological and scientific experiments, schools and hobbyists.

GUARANTEED FOR TWO YEARS.

Please send... **ERA automatic FISH FEEDERS**
\$19.95 each (postage included), Calif. res. add 5%

Name _____

Address _____

City _____ Zip _____

ERA PRODUCTS

261 THRIFT STREET, SAN FRANCISCO CA. 94112

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.

THE BUILDING OF THE BOMB. 16mm, b&w, sound, 72 min. Made up of contemporary newsreel material, classified footage never before seen, and actual statements from men who made the bomb. Oppenheimer, Teller, Segre, Fermi, and Von Heisenberg tell their own interpretation of the events that led to Hiroshima. Audience: general. Purchase \$400 or rental \$30 from Peter M. Robeck and Co., 230 Park Avenue, New York, N. Y. 10017 (Produced by BBC-TV).

CAN YOU HEAR ME. 16mm, color, sound, 26 min. The efforts of the family of a deaf child to provide her with a normal life illustrates the film's central message: that it is difficult but not impossible to teach children to speak words they will never hear. Mother and child are shown at home and as they learn together at the John Tracy Clinic in Los Angeles. Audience: general, persons interested in problems of the deaf. Purchase \$275 or rental \$12.50 from International Film Bureau, 332 S. Michigan Ave., Chicago, Ill. 60604. (Produced for ABC-TV).

NEW LANDS FOR OLD. 16mm, b&w, sound, 20 min. Illustrates an experiment conducted in Tunisia by the Tunisian government and UNESCO in which underground saline water is used both for irrigation and for reducing the level of salt in the soil. The experiment promises to be an important step forward in solving the problem of using saline water for agriculture. Audience: high school, college, adult. Purchase \$90 or rental \$6 from McGraw-Hill Films, Dept. DF, 330 West 42nd St., New York, N. Y. 10036.

PLAINS AND PLATEAUS. 16 mm. color or b&w, sound, 10 min. Scenes filmed in several areas of the United States are used to depict the physical features which distinguish plains and plateaus. Their locations within the United States and neighboring countries are shown on a map. The effect which the physical features have on land uses is illustrated for each landform. These uses include settlement, transportation, agriculture, mining, industry, and tourism. Audience: high school, college. Purchase color \$160 or b&w \$72, or rental color \$4.65 or b&w \$2.90 from Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

SMALLER THAN LIFE. 16mm, b&w, sound, 39 min. The latest developments in the continuing study for a cure for virus diseases. Leading scientists, specialists in their fields, discuss different viruses and recent findings. They use specially constructed scale models, magnified three million times, to give an idea of the structure and shape of various strains of viruses. Also several real viruses are shown with an electron microscope. Audience: college level. Purchase \$250 or rental \$45 from Peter M. Robeck and Co., 230 Park Ave., New York, N. Y. 10017. (Produced by BBC-TV.)

SUDDEN DEPARTURE. 16mm, b&w, sound, 28 min. Shows how babies and young children in a hospital setting react to emotional deprivation when a serious illness or accident necessitates their being removed from home and placed in the hospital for treatment. Major point of emphasis is how potentially psychological damage to the child may be avoided. Audience: teacher training, parent-teacher associations, community groups. Purchase \$170 or rental \$8 from McGraw-Hill Films, Dept. DF, 330 W. 42nd St., New York, N. Y. 10036. (Produced by National Film Board of Canada.)

GENETICS: FUNCTIONS OF DNA AND RNA. 16mm, color or b&w, sound, 13½ min. Illustrates the cellular mechanisms which make heredity possible. Specially constructed three-dimensional models represent the molecular structures of DNA or RNA in the nucleus of a cell. Animation shows how DNA imprints on messenger RNA a coded impression for transmission to the cytoplasm of the cell, where protein synthesis occurs. Audience: senior high, junior high, college. Purchase color \$162.50 or b&w \$81.25 from Coronet Films, 65 E. S. Water St., Chicago, Ill. 60601.

THE GRIZZLY BEAR: A CASE STUDY IN FIELD RESEARCH. 16mm, color, sound, 22 min. Scientists in Yellowstone Park risk their lives to study North America's most dangerous mammal. Audience: intermediate grades through adult. Purchase \$265 from Encyclopedia Britannica Educational Corp., 425 N. Michigan Ave., Chicago, Ill. 60611.

MAN MAKES A DESERT. 16mm, color or b&w, sound, 10½ min. Illustrates the changes that can occur when man upsets the delicate balance between the plants and animals that inhabit an area. A grass-land in the southwestern United States was plowed and overgrazed. The grass gave way to desert plants, the life the grass supported disappeared, and a desert was created. Today, through scientific study, man is attempting to reclaim the land by reversing the changes he made. Audience: high school, junior college. Purchase color \$120 or b&w \$60 from Film Associates, 11559 Santa Monica Blvd., Los Angeles, Calif. 90025.

THE SEARCH FOR LEARNING. 16mm, b&w, sound, 13 min. Demonstrates some of the new innovative methods of teaching, including the discovery method. It shows how flexible methods of classroom organization provide for individualized learning and present opportunities for independent learning. Teachers address themselves to the audience on their experiences with new methods. Audience: general. Purchase \$85 or rental \$6 from McGraw-Hill Films, Dept. DF, 330 W. 42nd St., New York, N. Y. 10036. (Produced by the National Film Board of Canada.)

STONE MOUNTAIN CARVING. 16mm, b&w, sound, 29 min. A progress report on one of the largest mountain carvings ever attempted which is being carved on the world's largest granite mountain in Georgia. Workers employ modern methods such as torches as well as conventional chiseling. Emphasizes the importance of mathematics in planning accurate carvings of heads as large as 15 feet high. Audience: general. Purchase \$150 or rental \$5.90 from NET Film Service, Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

TRIP STEEL. 16mm, color, sound, 11 min. TRIP (transformation-induced plasticity) is a new series of thermomechanically treated, highly alloyed steels combining high ductility and high strength, developed from AEC-supported basic research in metallurgy at the University of California, Berkeley. Film shows transformation that occurs in TRIP steel as loads are applied, illustrates the stress strain characteristics, shows testing to fracture. Audience: metallurgists, industry. Free loan from AEC field libraries or Audio-Visual Branch, Division of Public Information, Atomic Energy Commission, Washington, D. C. 20545.

SCIENCE NEWS

Copyright © 1968 by Science Service, Inc. Republication of any portion of SCIENCE NEWS is strictly prohibited.

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50; 3 yrs., \$19.50. Special trial offer: 39 weeks, \$3.97. Single copy, 25 cents. No charge for foreign postage. Change of address: Three weeks' notice is required. Please state exactly how magazine is addressed. Include zip code.

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: SCIENSERV.

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.

536/science news/vol. 94/30 november 1968