

films OF THE WEEK

THE EARTH: VOLCANOES. 16mm, color or b&w, sound, 11 min. Spectacular shots of both active and dormant volcanoes in Mexico, Hawaii and Japan, plus detailed diagrammatic animation show the effects of extreme underground heat and pressure upon the thin crusts of the earth's surface. Aerial views and close-ups show students a variety of volcanic forms: cinder cones, lava domes, stratified volcanoes, shield volcanoes and calderas. Topographic changes resulting from volcanic eruptions such as dammed rivers and flooded lands are also noted. Audience: junior, senior high. Purchase color \$130 or b&w \$65 from Coronet Films, 65 E. South Water St., Chicago, Ill. 60601.

LAKES. 16mm, 9 min., color, sound. Lakes are characterized, defined and described in terms of their physical features, how they are created and destroyed, and their uses. The size and shape of a lake may vary; lakes can be born either naturally or with man's help, but all lakes are formed because there is a depression in the surrounding land. Lakes have many uses, but if they are to survive as natural resources useful to man, they must be protected from pollution. Audience: primary, intermediate. Purchase \$160 or rental \$5.25 from Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

OP-TEC. 16mm, color, sound, 23 min. Presents the technical training offered in junior college as one very logical answer for undecided and economically deprived youth. Portrays industry's great need for highly trained, skilled workers who can bridge the gap between white and blue collar workers. Audience: high school teachers, counselors, high school students, recruitment personnel. Purchase \$200 from Comunico, 1335 N. Highway Dr., Fenton, Mo. 63026.

SAND: THE DESERT IN MOTION. 16mm, color, sound, 11 min. Examines where the sand of a desert comes from. It pictures deserts of many regions and explains the effects of water, wind and the sharp edges of the grains of sand on the rocky surfaces of these sun-baked areas. Also shows how and is formed. In some desert areas, man has been able to bring up water and grow crops on what was once a desert wasteland. Audience: elementary, junior high. Purchase \$135 or rental \$6.50 from Bailey-Film Associates, 11559 Santa Monica Blvd., Los Angeles, Calif. 90025.

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.

PAPERBACKS

261 page catalog listing 15,400 paperback titles, subject indexed, all categories. Send \$1.00. We will also include FREE Catalogs of Publishers' Overstock & Hundreds of L.P. LISTINGS at Savings from 40% to 84%.

THE NEW YORK BOOK & RECORD CO. Dept. 18

4 West 43rd St., New York, N.Y.

When in N.Y.C. visit & browse

386

books OF THE WEEK

OUR PRECARIOUS HABITAT—Melvin A. Benarde—Norton, 1970, 362 p., illus., \$6.95. A balanced and integrated discussion of man's effect on his environment and the potential threats to his health.

REASON AWAKE: Science for Man—Rene Dubos—Columbia Univ. Press, 1970, 280 p., \$6.95; paper, \$2.95. Essays concerned with the rapid quantitative expansion of technology regardless of human goals, on the ecological instability created, and the lack of social significance. Points to the need for more conscious choices by the scientific community.

SCIENCE: The Center of Culture—I. I. Rabi—World Pub. Co., 1970, 155 p., \$5.50. Nobelist-physicist examines the technological achievements of radar and the atomic bomb, both outgrowths of earlier scientific breakthroughs, and considers a future in which scientists and politicians participate in socially responsible decision-making.

THE TECHNOLOGY OF ALUMINIUM AND ITS ALLOYS—P. C. Varley—CRC Press, 1970, 161 p., 16 plates, diagrams, \$16.50. Gives a concise account of the properties of aluminium and its alloys, and of the technology of the industry as it is today. Appendices deal with British and U.S. temper designations and metric unit conversion factors.

THE THEORY AND PRACTICE OF GROUP PSYCHOTHERAPY—Irvin D. Yalom—Basic Bks., 1970, 398 p., \$10. Approaches the field of group therapy through analysis of the main curative factors which effect change in the patient, and which the wide variety of therapeutic groups have in common regardless of their outward forms.

TRADITION AND GROWTH: A Study of Four Mexican Villages—Manuel Avila—Univ. of Chicago Press, 1970, 219 p., \$10.75. Based on fieldwork concerned with the present situation. The problem of interregional inequality between rich and poor regions of Mexico delineates the analytical framework of the book.

TROUT STREAMS: Conditions that Determine Their Productivity and Suggestions for Stream and Lake Management—Paul

R. Needham, rev. by Carl F. Bond—Holden Day, 1970, 241 p., illus., \$8.50. Classic guide annotated to call attention to advances made in 30 years of fishery research and management.

TYPES OF RURAL ECONOMY: Studies in World Agriculture—René Dumont—Methuen (Barnes & Noble), 1970, 556 p., \$9.50; paper, \$5. Reprint (1957), presents wide range of case studies which together form a broad, yet detailed, view of world agriculture.

UPHILL TO MARS, DOWNHILL TO VENUS—Norman F. Smith—Little, Brown, 1970, 136 p., photographs, diagrams from author's sketches by Edmund DeWan, \$4.95. An aerospace technologist's clearly illustrated explanations of operations in space, orbits, effects of gravity, missions to the moon and the planets.

WEATHER MODIFICATION: Science and Public Policy—Robert C. Fleagle, Ed.—Univ. of Wash. Press, 1970, 147 p., illus., \$7.95. Interdisciplinary seminar papers and discussion analyzing the problems and possibilities of such projects as fog dispersal, hurricane steering and cloud seeding.

WELFARE MEDICAL CARE: An Experiment—Charles H. Goodrich, Margaret C. Olendzki and George G. Reader—Harvard Univ. Press, 1970, 337 p., diagrams, \$7. A comprehensive report on the New York Hospital-Cornell Project, 1960-1965, concerned with the quality and cost of medical care available to welfare clients.

YUGOSLAVIA AND THE NON-ALIGNED WORLD—Alvin Z. Rubinstein—Princeton Univ. Press, 1970, 353 p., \$11. A comprehensive study of the origins and development of Yugoslavia's foreign policy; analyzes and evaluates the domestic and foreign determinants shaping Yugoslavia's turn to the new nations of Asia and Africa and its role in pioneering nonalignment.

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.

SCIENCE NEWS

Copyright © 1970 by Science Service, Inc., 1719 N Street, N.W., Washington, D.C. 20036. Republication of any portion of SCIENCE NEWS is strictly prohibited.

SUBSCRIPTION DEPARTMENT
231 WEST CENTER STREET
MARION, OHIO 43302

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. \$1.00 per year for foreign postage. Change of address: Three weeks' notice is required. Please state exactly how magazine is to be 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 last Science News of June and December, 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 STAFF

Director: EARL J. SCHERAGO Advertising Sales Manager: RICHARD L. CHARLES
Address all advertising to Sherago Associates, 11 West 42nd St., New York, N.Y. 10036.

Sales: New York, N.Y. 10036: Robert S. Bugbee, 11 W. 42 St. (212-PE 6-1858); Scotch Plains, N.J. 07076: C. Richard Callis, 12 Unami Lane (201-889-4873); Medford, Mass. 02052: Richard M. Ezequelle, 4 Rolling Lane (617-444-1439); Chicago, Ill. 60611: Herbert L. Burklund, Room 2107, 919 N. Michigan Ave. (312-DE 7-4973); Beverly Hills, Calif. 90211: Winn Nance, 111 N. La Cienega Blvd. (213-657-2772).

science news, vol. 97