

Books of the Week

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THE ADVANCEMENT OF SCIENCE: Vol. VIII, No. 31—*British Association for the Advancement of Science*, 99 p., illus., paper, 6 shillings. Contains a report of the Edinburgh meeting as well as articles on such topics as artificial rain production, social consequences of the aeroplane and fertilizer trends.

AIR FLOW THROUGH CONVENTIONAL WINDOW OPENINGS—Theo R. Holleman—*Texas Engineering Experiment Station*, 45 p., illus., paper, free upon request to publisher, College Station, Texas. Windows are designed, the author concludes, with a view to their mechanical performance and weatherproofing; more attention should be given to how the air comes in when the window is open.

ANNOTATED LIST OF BIRDS OF BARRO COLORADO ISLAND, PANAMA CANAL ZONE—Eugene Eisenmann—*Smithsonian Institution*, 62 p., paper, 45 cents. In spite of the fact that Barro Colorado Island has been reserved for scientific purposes for the past 30 years, the survey of resident bird life is still incomplete.

A CHANCE TO LIVE: The Story of the Lost Children of the War—John P. Carroll-Abbing, translated by Carol Della Chiesa—*Longmans, Green*, 216 p., illus., \$3.00. A priest tells of his experiences in trying to aid the hungry, the wounded, the lonely in Italy during the war and the rescue of thousands of homeless children in towns similar to Boy's Town.

CHILDREN IN TROUBLE: An Experiment in Institutional Child Care—Frank J. Cohen—*Norton*, 251 p., \$3.50. Describing a non-punitive method of dealing with child delinquents in an institution.

THE CITY—Rod and Lisa Peattie—*Schuman*, 108 p., illus., \$2.50. A book for children telling how cities were built up and how neighborhoods decay. Life in the world's first city is described as well as that of a modern metropolis.

CONFLICT OF LOYALTIES: A Series of Addresses and Discussions—R. M. MacIver, Ed.—*Institute for Religious and Social Studies (Harper)*, 150 p., \$2.00. Here a group of writers from many fields discuss such modern problems as: The Hiroshima Issue, Deceiving the Public for the Public Good, Freedom and Interfer-

ence in American Education, and recent invasions of privacy in connection with loyalty and other investigations.

COOKING WITH A FOREIGN ACCENT—*Sunset Magazine—Lane Publishing Co.*, 64 p., illus., paper, \$1.00. Tested recipes for making those distinctive foreign dishes we all like. The recipes can be followed in the American kitchen, and are arranged by food rather than by nationality.

COTTRELL: Samaritan of Science—Frank Cameron—*Doubleday*, 414 p., \$4.50. The biography of a prolific inventor who turned over profits from his patents to the Research Corporation to finance research. Among the best known of the processes he developed is the electrical precipitation of smoke.

ELECTRICAL FARM EQUIPMENT YOU CAN BUILD—*Westinghouse Electric Corporation*, 32 p., illus., paper, free upon request to publisher, School Service, Dept. T, Box 1017, Pittsburgh 30, Pa. Clear diagrams help in the building of these pieces of equipment from inexpensive materials.

ELEVENTH SEMI-ANNUAL REPORT OF THE ATOMIC ENERGY COMMISSION—Gordon Dean, Chairman—*Govt. Printing Office*, 211 p., illus., paper, free upon request to Commission, Washington 25, D. C. Review of major developments of the past six months, including a section devoted to fundamental research in plant science using radioactive isotopes.

THE FLYING NATION: The Story of the Bees—Dorothy E. Crowder—*Roy*, 156 p., illus., \$2.50. Telling children what goes on in the community of the bees.

GEOGRAPHY OF LATIN AMERICA—Fred A. Carlson—*Prentice-Hall*, 3d ed., 569 p., illus., \$6.75. A text intended to establish a better understanding of our neighbors to the south.

GEOLOGY OF THE SHASTA KING MINE, SHASTA COUNTY, CALIFORNIA—A. R. Kinkel, Jr., and Wayne E. Hall—*California Division of Mines*, 11 p., illus., paper, 50 cents. This mine was studied as a part of a survey of the West Shasta copper-zinc district made for the U. S. Geological Survey.

GUIDE TO EASIER LIVING—Mary and Russel Wright—*Simon and Schuster*, 2d printing, 199 p., illus., \$2.95. Suggestions for the planning and furnishing of the rooms in your home to make your life easier and happier.

HAVING A BABY—Ruth Carson—*Public Affairs Committee*, 31 p., illus., paper, 25 cents. Information and advice for the young about-to-be mother. Written with the cooperation of the Maternity Center Association.

THE HEALTH OF THE EXECUTIVE—Industrial Hygiene Foundation—*Mellon Institute*, 2 p., illus., paper, free upon request to publisher, 4400 Fifth Avenue, Pittsburgh 13, Pa.

THE LAMP IS LIT: The Story of WHO—Ritchie Calder—*WHO (Columbia University Press)*, 38 p., illus., paper, 25 cents. Half the people of the world do not know what health means. Here is the story of what WHO is doing to teach them.

MAN AND HIS BIOLOGICAL WORLD—Frank Covert Jean and others—*Ginn*, rev. ed., 631 p., illus., \$5.00. An up-to-date revision of a popular college text.

ON DREAMS—Sigmund Freud, translated by James Strachey—*Norton*, 120 p., \$2.50. About a year after the publication of his monumental "Interpretation of Dreams," Freud wrote this short discussion of the same topic. Made available to American readers for the first time.

PHOTOGEOLOGIC INTERPRETATION USING PHOTOGRAMMETRIC DIP CALCULATIONS—D. H. Elliott—*California Division of Mines*, 21 p., illus., paper, 50 cents. A method for calculating the inclination of hill slopes and of strata on vertical aerial photographs. A pocket stereoscope is the only instrument required.

PICTURE PRIMER OF ATTRACTING BIRDS—C. Russell Mason—*Houghton Mifflin*, 30 p., illus., \$2.50. Charming color pictures of birds, houses, and the trees and shrubs that welcome birds will attract nature loving readers.

PLANET EARTH—Rose Wyler—*Schuman*, 156 p., illus., \$2.50. A simply written account of our own planet in its relation to its neighbors and to us.

THE PLANETS: Their Origin and Development—Harold C. Urey—*Yale University Press*, 245 p., illus., \$5.00. This Nobelist discusses the chemical processes that took place in the formation of the planets and the materials of which they are made.

PROSTATE GLAND DISORDER—Edwin W. Hirsch—*Greenberg*, 130 p., illus., \$1.25. Presenting the author's theories about the origin and treatment of this common trouble.

RADIOCARBON DATING—Willard F. Libby—*University of Chicago Press*, 124 p., illus., \$3.50. A complete description of radiocarbon method of dating archaeological and geological remains which will aid those constructing and operating equipment for this purpose.

THE RISE OF THE SKYSCRAPER—Carl W. Condit—*University of Chicago Press*, 250 p., illus., \$5.00. The tragedy of the great fire in Chicago gave that city the opportunity to replace old buildings with modern constructions. Many architectural innovations developed there.

ROCKETS AND JETS—Marie Neurath—*Lothrop, Lee and Shepard*, 36 p., illus., \$1.50. Showing children by means of brief text and clear pictures how rockets work and how jets drive airplanes, cars, ships and space ships.

SAFETY IN TODAY'S LABORATORIES—Harry M. Schwalb—*Fisher Scientific Company*—7 p., illus., paper, free upon request to publisher, 717 Forbes St., Pittsburgh 13, Pa. Reprint of a lead article in *Industrial Laboratories*, November, 1951. Local safety committees, as recommended by this article, are now being set up in industrial, research, and governmental laboratories.

SCIENCE FOR A BETTER WORLD—Morris Meister, Ralph Keirstead and Lois M. Shoemaker—*Scribner's*, 778 p., illus., \$3.20. An interesting high-school science text with lots of "Things To Do."

THE SCIENCE OF PRECISION MEASUREMENT—*DoAll Company*, 256 p., illus., paper, \$3.50. Includes various reference tables such as coefficients of expansion of metals, tolerances of

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The reason we are eating minute amounts now is that mashers containing some of the antibiotic drugs, such as aureomycin and terramycin, are being fed to young chicks and pigs to speed their growth.

Discovery that eggs from commercial hatcheries where antibiotic mashers are fed to chickens contain some of the antibiotics was made by Drs. Donald Greiff and Henry Pinkerton of St. Louis University, St. Louis, Mo.

They found this out in the course of experiments with the germs of typhus fever. These germs, called rickettsiae, were being grown on the yolk sacs of fertile eggs.

When the hatcheries where the eggs came from started using antibiotic feeds, the rickettsiae failed to grow on the eggs. The antibiotics stopped the germs, just as they do when used to treat people sick with typhus fever and many other germ-caused diseases.

Antibiotics can get into milk, also. Cheese manufacturers earlier had discovered that the starter organisms for making cheese failed to grow in some lots of milk. This milk, they found, had come from cows that had gotten "shots" of antibiotics to cure them of mastitis.

These cows had gotten the antibiotics injected into their udders, where the mastitis-causing germs were. Feeding antibiotics to lactating dairy cows, however, does not result in any of the antibiotic getting into the milk, according to experiments just reported in the journal, *SCIENCE* (Feb. 22). These experiments were made by M. O.

Haq, L. L. Rusoff and A. J. Gelpi, Jr., of the Louisiana Experiment Station at Baton Rouge.

Eggs are used for growing influenza germs to make anti-flu vaccines. Influenza A virus will grow on the eggs from antibiotic-fed chicks, the St. Louis University scientists found. But they point out that other disease-fighting experiments in which eggs are used to grow the germs for research purposes may be affected.

Eating eggs, chickens and hogs that have antibiotics in them will not do any harm, in the opinion of the Food and Drug Administration. FDA officials point out that the amount in the egg or meat is so small it could not have any effect on humans eating it. Furthermore, ordinary cooking would destroy the antibiotics.

One possible adverse effect of feeding antibiotics to animals to speed their growth has been pointed out in a report by Drs. M. P. Starr and D. M. Reynolds of the California Experiment Station at Davis, Calif., to the *AMERICAN JOURNAL OF PUBLIC HEALTH*. These scientists warn that the spread of drug-fast strains of germs to larger animals could be serious since the value of the meat of these animals would justify treating them with antibiotics when they get sick.

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A female fly will lay about 500 eggs during her lifetime.

Books of the Week

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holes for various kinds of fits, and conversion tables from English to Metric System.

THE STRANGE STORY OF OUR EARTH: A Panorama of the Growth of Our Planet as Revealed by the Sciences of Geology and Paleontology—A. Hyatt Verrill—Page, 255 p., illus., \$3.75. Translating the story of the earth, which is written in the enduring rocks themselves, into non-technical language.

STUDIES IN THE PSYCHOLOGY OF READING—William C. Morse, Francis A. Ballantine and W. Robert Dixon—University of Michigan Press,

188 p., illus., paper, \$2.50; cloth, \$3.00. Studies of eye movements of school children, graduate students and university professors. This work explodes the myth that some fast readers are able to take in a whole line or even paragraph at a single glance.

SURVIVAL IN WINTER—E. Laurence Palmer—New York State College of Agriculture, 31 p., illus., paper, single copies free upon request to publisher, Cornell University, Ithaca, N. Y. One of the Cornell Rural School Leaflets telling how to contrive necessary food and shelter out of common materials found in a winter landscape.

THIRTY-SIXTH ANNUAL REPORT OF THE NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS 1950—Jerome C. Hunsaker, Chairman—Govt. Printing Office, 977 p., illus., \$7.25. Includes a number of research reports and a general account of work during the year.

WATER FOR PEOPLE—Sarah R. Riedman—Schuman, 151 p., illus., \$2.50. The story, told for children, of what water is and does from the first rain to modern rainmaking.

YOUR PRECIOUS EYESIGHT: A Concise and Comprehensive Anthology of Questions and Answers—L. Lester Beacher—Psychological Library, 84 p., \$3.00. Information for the layman about eye defects, use of glasses, eye exercises, viewing television, eye diseases and contact lenses.

YOUR SKIN AND ITS CARE

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—Connecticut State Medical Journal

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—Kirtley F. Mather,
in *American Scientist*

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