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Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

AUTOMOBILE FACTS AND FIGURES—*Automobile Manufacturers Association*, 34th ed., 80 p., illus., paper, free upon request to publisher, 320 New Center Building, Detroit 2, Mich. Statistics of the industry.

BATHYPELAGIC NEMERTEANS OF THE PACIFIC OCEAN—Wesley R. Coe—*University of California Press*, 55 p., illus., paper, 75 cents. Reporting collections of little known animals of the deep obtained in Monterey Bay, California, together with those secured by several expeditions of the Scripps Institution of Oceanography.

DETERIORATION OF MATERIALS: Causes and Preventive Techniques—Glenn A. Greathouse and Carl J. Wessel, Eds.—*Reinhold*, 835 p., illus., \$12.00. Prepared under the joint auspices of the Services Technical Committee of the Department of Defense and the Prevention of Deterioration Center.

AN EXPERIMENTAL INVESTIGATION OF THE MECHANICS OF PLASTIC DEFORMATION OF METALS—E. G. Thomsen, C. T. Yang and J. B. Bierbower—*University of California Press*, 56 p., illus., paper, 75 cents. Describing the technique for calculating the infinitesimal strain or strain rate and the stress distributions in an axially symmetrical metal part during a three-dimensional forming operation.

HANDBOOK OF TEXTILE FIBERS—Milton Harris, Ed.—*Harris Research Laboratories*, 356 p., illus., \$12.50. Bringing together for reference purposes a wealth of data on natural and artificial fibers, their physical and chemical characteristics, as well as economic and manufacturing information.

HELPING YOUR CHILD'S EMOTIONAL GROWTH—Anna W. M. Wolf and Suzanne Szasz, with introduction by Milton J. E. Senn—*Doubleday*, 305 p., illus., \$5.00. Telling, with text and excellent photographs, of some of the problems that often perplex parents as their child develops from infancy to school age.

INDUCTION AND ANALOGY IN MATHEMATICS: Volume I of Mathematics and Plausible Reasoning—G. Polya—*Princeton University Press*, 280 p., illus., \$5.50, both volumes \$9.00. The creative mathematician, says the author, is a good guesser first and a good proofer afterward. This first volume is devoted to intelligent guessing.

THE NATION LOOKS AT ITS RESOURCES: Report of the Mid-Century Conference on Resources for

the Future, Washington, D. C., December 2, 3, 4, 1953—Henry Jarrett, Ed.—*Resources for the Future, Inc.*, 418 p., paper, \$5.00. Presenting high points of the discussion at a conference attended by 1,600 men and women concerned with problems developing from the mounting pressure on our natural resources.

PATTERNS OF PLAUSIBLE INFERENCE: Volume II of Mathematics and Plausible Reasoning—G. Polya—*Princeton University Press*, 190 p., \$4.50, both volumes \$9.00. This volume adds to the material included in Volume I, but is not dependent upon it.

PRACTICAL REFRACTOMETRY: By Means of the Microscope—Roy M. Allen—*Cargille Laboratories*, 59 p., illus., paper, \$1.00. An elementary text on the determination of indices of refraction of solids by means of the microscope. Although written primarily for mineralogists, the methods described can be of value to almost any user of the microscope.

PREHISTORIC ANIMALS—William E. Scheele—*World Pub.*, 125 p., illus., \$4.95. The director of the Cleveland Museum of Natural History tells of the weird animals that inhabited our world for the first 500,000,000 years of life.

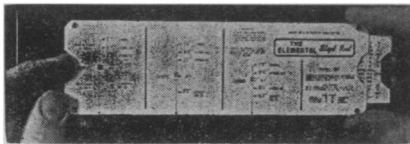
THE PSYCHOLOGICAL VARIABLES IN HUMAN CANCER: A Symposium Presented at the Veterans Administration Hospital, Long Beach, California, October 23, 1953—Joseph A. Gengerelli and Frank J. Kirkner, Eds.—*University of California Press*, 135 p., \$3.00. Reporting investigations into the relationships between personality makeup and cancer.

SMOKING AND CANCER: A Doctor's Report—Alton Ochsner, with foreword by Everts A. Graham—*Messner*, 86 p., illus., \$2.00. An eminent cancer specialist reports his findings on the relation between smoking and lung cancer. He believes that 95% of deaths from lung cancer will be traceable to smoking. (See p. 323.)

THIRTY-SEVENTH ANNUAL REPORT OF THE NATIONAL RESEARCH COUNCIL OF CANADA 1953-54: Including the Annual Report of the Canadian Patents and Development Limited—National Research Council of Canada, 50 p., paper, free upon request direct to publisher, Ottawa, Canada. Containing, in addition to the fiscal reports required by law, a description in non-technical language of the many research projects under investigation. In French and English.

Science News Letter, November 20, 1954

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