

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.

ADVANCES IN CARBOHYDRATE CHEMISTRY: Vol. 11—Melville L. Wolfson and R. Stuart Tipson, Eds.—*Academic Press*, 465 p., illus., \$11.00. Included in this volume is a generalized cumulative index to Volumes 1-10.

BITUMINOUS COAL TRENDS 1956—*National Coal Association*, 164 p., illus., paper, single copies free upon request to publisher, 802 Southern Building, Washington 5, D. C. Recording and documenting the changing patterns in the coal industry, and pointing up coal's place as a vital energy source, this book will serve as a reference for those interested in the progress of the coal industry.

THE CHEMISTRY AND TECHNOLOGY OF LEATHER: Volume 1, Preparation for Tanning—Fred O'Flaherty, William T. Roddy and Robert M. Lollar, Eds.—*Reinhold*, 495 p., illus., \$14.00. The making of leather is generally conceded to have been the first manufacturing process of man.

DESCRIPTIVE GEOMETRY—Steve M. Slaby—*Barnes & Noble*, College Outline Series, 353 p., illus., paper, \$2.25. Presenting the basic principles of descriptive geometry in clear, annotated pictorial representations followed by graphic examples.

HOW TO COLLECT AND PRESERVE INSECTS—H. H. Ross—*Natural History Survey Division*, *Illinois*—59 p., illus., paper, 10 cents. Instructions for the amateur and hobbyist.

LANGUAGE FOR EVERYBODY: What it is and How to Master it—Mario Pei—*Devin-Adair*, 340 p., illus., \$5.00. Discussing the construction of languages and their influence on thought.

LECTURES ON THE ICOSAHEDRON AND THE SOLUTION OF EQUATIONS OF THE FIFTH DEGREE—Felix Klein, translated by George Gavin Morrice—*Dover*, revised ed., 289 p., paper, \$1.85. An inexpensive reprint of this well-known monograph.

MOMENTUM TRANSFER IN FLUIDS—Wm. H. Corcoran, J. B. Opfell and B. H. Sage—*Academic Press*, 394 p., illus., \$9.00. Covering the area of fluid mechanics relating to laminar and turbulent shear-flow, boundary-layer analysis and statistical treatment of turbulence of special interest to chemical engineers.

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RAYLEIGH'S PRINCIPLE AND ITS APPLICATIONS TO ENGINEERING: The Theory and Practice of the Energy Method for the Approximate Determination of Critical Loads and Speeds—G. Temple and W. G. Bickley—*Dover*, 121 p., illus., paper, \$1.50. A republication of the first edition of 1933.

RHEOLOGY: Theory and Applications, Volume 1—Frederick R. Eirich, Ed.—*Academic*, 761 p., illus., \$20.00. Here authorities on the science of deformation and flow pool their knowledge and make it available in condensed form.

SCATTER PROPAGATION: Theory and Practice—Ira Kamen and George Doundoulakis—*Howard W. Sams*, 197 p., illus., \$3.00. Not only for engineers who wish to familiarize themselves with the work in this field, but also for the technician who will play the important roles in installing, operating and maintaining these systems, expected to network the earth.

SCIENCE AND ENGINEERING IN AMERICAN INDUSTRY: Final Report on a 1953-1954 Survey—Helen Wood and others—*Govt. Printing Office*, Bureau of Labor Statistics for National Science Foundation, 119 p., illus., paper, 70 cents. Statistics on expenditures for research and development and discussion of factors affecting them.

SERVICES FOR CHILDREN WITH HEARING IMPAIRMENT: A Guide for Public Health Personnel—Committee on Child Health of the A.P.H.A.—*American Public Health Association*, 124 p., paper, \$1.50. A guide to general principles in community organization.

SERVICES FOR CHILDREN WITH VISION AND EYE PROBLEMS: A Guide for Public Health Personnel—Committee on Child Health of the A.P.H.A. and the National Society for the Prevention of Blindness—*American Public Health Association*, 112 p., paper, \$1.50.

SYNTHETIC POLYPEPTIDES: Preparation, Structure, and Properties—C. H. Bamford, A. Elliott and W. E. Hanby—*Academic*, 445 p., illus., \$10.00. A comprehensive survey of knowledge of this class of high polymers with unique characteristics of particular interest because of their relation to proteins.

TRAFFIC ASSIGNMENT BY MECHANICAL METHODS—Karl Moskowitz and others—*Highway Research Board*, Bulletin 130, 77 p., illus., paper, \$1.50. Use of machines in working out the flow of traffic.

UNDERSTANDING YOUR MENOPAUSE—Stella B. Applebaum with Nadina R. Kavinoky—*Public Affairs Committee*, Public Affairs Pamphlet No. 243, 28 p., illus., paper, 25 cents. Information tending to allay some of the fears which many women suffer unnecessarily along with the natural discomforts of the "change of life."

WIDENING AND RESURFACING WITH BITUMINOUS CONCRETE—Ernest Zube and others—*Highway Research Board*, Bulletin 131, 46 p., illus., paper, 90 cents. Containing four papers presented at the 35th Annual Meeting, January, 1956.

Science News Letter, December 15, 1956

The practice of fertilizing *forests* to increase wood production is considerably more advanced in West Germany than in the United States.

About 180 species of *fish* and shellfish are used on American tables.

MEDICINE

Tranquilizer Checks Pregnancy Nausea

► **EXPECTANT MOTHERS** can get relief from the nausea and vomiting, or morning sickness, of early pregnancy by using the latest tranquilizing drug to be introduced to the medical profession.

The drug is a chemical relative of chlorpromazine, now widely used to treat mental illness.

For mild or moderate emotional problems, the drug promises to be a good relaxer or tranquilizer, but its chief value is expected to come from its quick anti-vomiting effect not only in pregnancy but in virus stomach and intestinal disorders, after operations and radiation treatment, in terminal cancer and other conditions.

The drug is called Compazine by its U. S. manufacturer, Smith, Kline and French, Philadelphia.

Science News Letter, December 15, 1956

ANTHROPOLOGY

Find More Bones Of Ancient Creature

► **NEW FINDS** of the 10,000,000-year-old human-like creature whose bones were left in a lignite deposit in Tuscany, Italy, were reported to SCIENCE SERVICE by Dr. Helmut de Terra, Columbia University geologist.

They include a nearly complete skull, several skull fragments, the major portion of a hand and parts of the backbone. The bones, when they are cleaned and subjected to detailed study, may enable anthropologists to determine whether the creature, now called "Oreopithecus," or mountain ape, was really a man or an ancestor of modern man.

The discoveries were made by Dr. J. Hurseler of the Natural History Museum at Basel, Switzerland, and Dr. de Terra. It was Dr. Hurseler who brought the 26 fragments of fossils found earlier to the United States to be seen by American anthropologists.

The latest explorations were sponsored by the Wenner-Gren Foundation for Anthropological Research of New York.

Science News Letter, December 15, 1956

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