

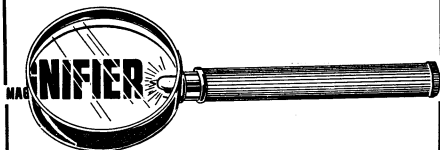


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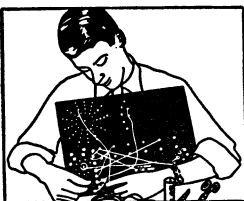
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For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science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

AIR POLLUTION—M. W. Thring, Ed.—*Butterworth and Co.* (Canada) 248 p., illus., \$8.50. The problem of air pollution arises from the fact that the cost of remedies are not directly borne by those who would benefit. The author says that we either must find much cheaper means of eliminating air pollution or must work out some method of subsidizing.

ALIPHATIC FLUORINE COMPOUNDS—A. M. Lovelace, Douglas A. Rausch and William Postelnek—*Reinhold*, 370 p., \$12.50. A complete and concise collection of these compounds from Moissan's time to the present. From the point of view of preparative organic chemistry.

ANATOMY OF THE CHORDATES—Charles K. Weichert—*McGraw-Hill*, 2d ed., 899 p., illus., \$9.50. Emphasis is on familiar living species.

BASIC ELECTRICAL ENGINEERING—Robert H. Nau—*Ronald*, 437 p., illus., \$7. A text for sophomore electrical engineering students.

BIBLIOGRAPHY AND INDEX OF GEOLOGY EXCLUSIVE OF NORTH AMERICA: Volume 21—Marie Siegrist, Mary C. Grier and others—*Geological Society of America*, 845 p., \$10.

BIRD WONDERS OF AUSTRALIA—Alec H. Chisholm—*Mich. State Univ. Press*, 243 p., illus., \$5. Describing oddities of the bird world such as birds that build playhouses and infant birds that commit murder.

CHEMICAL CALCULATIONS: A Systematic Presentation of the Solution of Type Problems, With 1000 Chemical Problems Arranged Progressively According to Lesson Assignments—Bernard Jaffe—*World Bk.*, 3d ed., 180 p., illus., \$2.20. A supplement to the chemistry textbook intended to overcome the student's shortcomings in mathematics.

CLEAR LANDS AND ICY SEAS: A Voyage to the Eastern Arctic—Theodora C. Stanwell-Fletcher—*Dodd*, 264 p., illus., \$4. A book of adventure.

CLINICAL AND COUNSELING PSYCHOLOGY—John M. Hadley—*Knopf*, 701 p., \$8.95. Telling some problems faced by the clinical psychologist and how he goes about solving them and aiding the individual.

DEEP TREASURE: A Story of Oil—Elizabeth Olds—*Houghton*, illus., \$3. Telling young children the story of oil, how and where it is found and how it was formed.

EARTH, MOON AND PLANETS—Fred L. Whipple—*Grosset*, 2d ed., 293 p., illus., \$2.95. The 17 years that have passed since the publication of the first edition have added knowledge

rather than changing understanding of the solar family.

ELEMENTS OF PSYCHOLOGY—David Krech and Richard S. Crutchfield—*Knopf*, 736 p., illus., \$8.75. A text presenting the science of psychology as an organic whole. The first chapter provides an "overview" of the entire book.

FACTS AND THEORIES OF PSYCHOANALYSIS—Ives Hendrick—*Knopf*, 3d rev. ed., 402 p., \$6. Completely rewritten edition of what is considered a minor classic in the field.

FAT CONSUMPTION AND CORONARY DISEASE: The Evolutionary Answer to This Problem—T. L. Cleave, foreword by Percy Stocks—*Philosophical Lib.*, 40 p., \$2.50. The author believes that the principles of evolution can clarify the confusion over high fat consumption as a cause of coronary disease.

FLORA OF THE BRITISH ISLES: Illustrations, Part 1, Pteridophyta—Papilionaceae—A. R. Clapham, T. G. Tutin and E. F. Warburg—*Cambridge Univ. Press*, 144 p., illus. with beautiful drawings by Sybil J. Roles, \$5. A companion volume to the text by the same authors. The drawings are meant to assist users of the flora to recognize species.

FOURTH TECHNICAL PROGRESS REPORT—W. L. Faith, N. A. Renzetti and L. H. Rogers—*Air Pollution*, 91 p., illus., paper, \$3. The control of automobile exhaust pollution in the Los Angeles basin, it is estimated, will cost between \$150,000,000 and \$250,000,000 annually.

HANDBOOK OF BASIC MICROTECHNIQUE—Peter Gray—*McGraw-Hill*, 2d ed., 252 p., illus., \$6. Telling how to use a microscope and prepare slides for viewing with it.

THE IMPACT OF THE ANTIBIOTICS ON MEDICINE AND SOCIETY: Monograph II, Institute of Social and Historical Medicine—Iago Galdston, Ed.—*Int. Univs. Press*, 222 p., graphs, \$5. A socio-and medico-historical inquiry into the advent of the antibiotics.

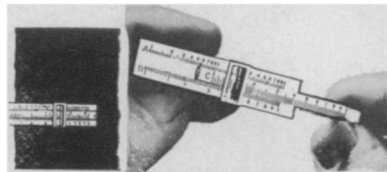
AN INTRODUCTION TO THE DYNAMICS OF AIRPLANES—H. Norman Abramson—*Ronald*, 225 p., illus., \$4.50. Providing the basic principles and ideas which should be included in the "tool kit" of today's aeronautical engineering graduate.

THE MILLIONTH CHANCE: The Story of the R. 101—James Leasor—*Reynal*, 244 p., illus., \$4. Describing one of aviation's greatest disasters.

THE OILMAN'S BARREL—Robert E. Hardwicke—*Univ. of Okla. Press*, 122 p., illus., \$3.75. An interesting book tracing not only the history and meaning of the barrel, but also the gallon, the pound, and the inch.

OPTIMIZATION OF ROCKET ORBITS: Part I, Idealized Calculations—Kenneth W. Ford—*Office of Technical Services* for Los Alamos

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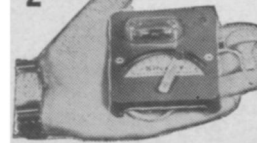
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Scientific Laboratory of the Univ. of California, 33 p., paper, \$1. Showing vividly the gain in accuracy that can follow choice of an optimized orbit.

PATHS ACROSS THE EARTH—Lorus and Margery Milne—*Harper*, 216 p., illus., \$3.75. About migration of birds and other animals.

PRINCIPLES OF CHEMISTRY—Donald C. Gregg—*Allyn*, 600 p., illus., \$6.50. An elementary text attempting to simplify by generalization as much as is reasonable.

THE PSYCHOLOGY OF EARLY CHILDHOOD—Catherine Landreth, foreword by Harold E. Jones—*Knopf*, 431 p., illus., \$8.75. A text for college students planning a professional career in this field.

PSYCHOTHERAPY BY RECIPROCAL INHIBITION—Joseph Wolpe—*Stanford Univ. Press*, 239 p., illus., \$5. Presenting a new theory that neurotic behavior originates in learning and can be unlearned.

PSYCHOTHERAPY OF CHRONIC SCHIZOPHRENIC PATIENTS—Carl Whitaker, Ed.—*Little*, 219 p., \$5. Recounting the exchange of ideas during a "bull session" of psychiatrists and an anthropologist.

SEALS, SEA LIONS AND WALRUSES: A Review of the Pinnipedia—Victor B. Scheffer—*Stanford Univ. Press*, 179 p., illus., \$5. Scientific description of these gregarious "wing-footed" creatures that number perhaps 15,000,000 to 25,000,000 individuals.

SEX WITHOUT GUILT—Albert Ellis—*Lyle Stuart*, 200 p., \$4.95. This book is intended by the author, a clinical psychologist, to relieve the burden of guilt carried by many persons largely on the basis of misinformation or lack of information about the harmfulness of some sex practices.

THE STORY OF ALBERT EINSTEIN: The Scientist Who Searched Out the Secrets of the Universe—Mae Blacker Freeman—*Random House*, 178 p., illus., \$2.95. For children. A biography of the great scientist who was considered slow in school because he could not answer quickly but needed to think long over every word.

THE STORY OF LIFE—H. E. L. Mellersh—*Putnam*, 263 p., illus., \$3.95. The story of evolution from a modern point of view, including growth of intelligence, the sublimation of sex and the blossoming of the emotions.

THE TELESCOPE—Harry Edward Neal—*Messner*, 192 p., illus., \$3.50. A book for young people on the history of this great instrument and telling, also, how to make one and what you can see with it.

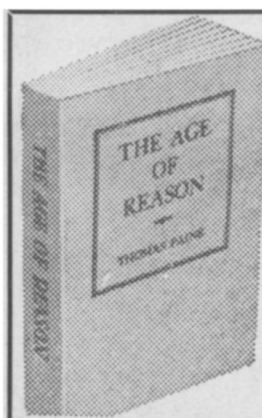
THADDEUS LOWE: America's One-Man Air Corps—Mary Hoehling—*Messner*, 189 p., illus., \$2.95. Telling of the beginnings of military flying in the U. S. when a balloon started on active duty during the Civil War.

THEORETICAL ASTROPHYSICS—V. A. Ambartsumyan, Ed., translated from the Russian by J. B. Sykes—*Pergamon*, 645 p., \$22.50. Although theoretical astrophysics is a young science, it is a rapidly developing one in Russia, England and the U. S. The first Russian textbook on the subject appeared in 1939 and was by the editor of this text.

THE UNDISCOVERED SELF—C. G. Jung, translated from the German by R. F. C. Hull—*Little*, 113 p., \$3. Prompted by conversations between Dr. Jung, famous psychiatrist, and Dr. Carleton Smith. Dr. Jung is still living and writing in his native Zurich, Switzerland.

ZINC OXIDE REDISCOVERED—Harvey E. Brown—*New Jersey Zinc Company*, 99 p., illus., \$3. A highly technical work of interest to science teachers and the personnel of research laboratories.

Science News Letter, April 26, 1958



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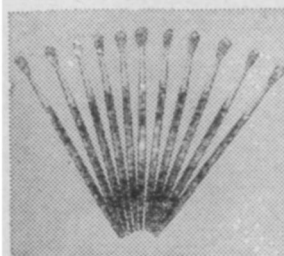
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