

# Books of the Week

For the editorial information of our readers, books received for review 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.

**ADHESIVES IN BUILDING:** Selection and Field Application, Pressure-Sensitive Tapes—Alex O'Hare and others—*NAS-NRC*, 95 p., paper, illus., \$6. 1961 Spring Conference papers of the Building Research Institute.

**ADVENTURE UNDERGROUND:** The Story of the World's Great Tunnels—Joseph Gies—*Double-day*, 260 p., photographs, diagrams, \$4.95. For the general reader.

**ALCOHOLISM AND SOCIETY:**—Morris E. Chafetz and Harold W. Demone, Jr., foreword by Harry C. Solomon—*Oxford*, 319 p., \$6.95. Comprehensive and critical review of the experience, research approaches and treatment methods connected with alcoholism.

**ANTARCTICA:** Map—*American Geographical Society*, 42x56 inches, paper, folded, \$2; rolled, \$3. Map of the Antarctic Continent in stereographic projection, scale in latitude  $71^\circ = 1:5,000,000$ , prepared for the U.S. Antarctic research program.

**ATOLL ENVIRONMENT AND ECOLOGY:**—Herold J. Wiens—*Yale Univ. Press*, 532 p., illus., \$15. Reference volume based on field study of coral atolls, analyzing and synthesizing a great mass of data from numerous sources.

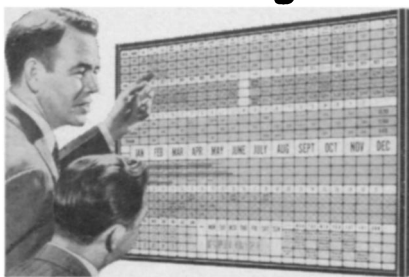
**BIENNIAL REVIEW OF ANTHROPOLOGY, 1961:**—Bernard J. Siegel, Ed.—*Stanford Univ. Press*, 338 p., \$7.50. Individual chapters cover social organization, language, physical anthropology and psychocultural studies.

**BIOPHYSICAL SCIENCE:**—Eugene Ackerman—*Prentice-Hall*, 626 p., diagrams, \$13.35. Fuses physics and biology in a text for college seniors, emphasizing aspects of life that can be examined by physical and chemical methods of research.

## NEWFOUNDLAND STAMPS & COINS!

50 Different Nfld. stamps—\$2.50. 100 Different—\$5.00. 150 Different—\$15.00. 200 Different—\$50.00. NEWFOUNDLAND COINS—1¢ to 50¢: 25 Different—\$5.00. 50 Different—\$15.00. 100 Different—\$35.00. Please state coins and stamps desired and we will do our best to please you. HARRY PHILLIPS Sales, Bonavista-7W, Newfoundland, Canada.

## How To Get Things Done



### BOARDMASTER VISUAL CONTROL

Your operations are pictured at a glance. You save time, money and prevent mixups by Seeing What is Happening at all times. Ideal for Production, Maintenance, Inventory, Scheduling, Sales, Etc. Easy to Use. You write on cards, snap on metal board. Over 750,000 in Use.

**FREE** 24-Page BOOKLET No. V-20 Mailed Without Obligation  
**GRAPHIC SYSTEMS**  
925 Danville Road • Yanceyville, N.C.

**CHILDREN WHO HATE:** The Disorganization and Breakdown of Behavior Controls—Fritz Redl and David Wineman—*Collier*, 286 p., paper, 95¢. Reprint (1951).

**THE CITY:**—Max Weber, transl. by Don Martindale and Gertrud Neuwirth, Eds.—*Collier*, 256 p., paper, 95¢. Reprint (1958). Classic study of the development of cities in Western civilization.

**COMMUNICATIONS DICTIONARY:** A Compilation of the Terms used in Electronic Communications and Data Processing—James F. Holmes—*Rider*, J. F., 88 p., paper, \$1.50. Provides ready reference for terms used in data processing and telecommunications.

**COMMUNICATIONS IN SPACE:** From Wireless to Satellite Relay—Orrin E. Dunlap, Jr.—*Harper*, 175 p., photographs, \$4.95. A story of space technology, from Marconi to Zworykin, Tesla to Townes.

**DETECTOR AND RECTIFIER CIRCUITS:**—Thomas M. Adams—*Sams (Bobbs)*, 128 p., illus, paper, \$2.95. Explains electronic circuit action with the aid of four-color diagrams.

**DIFFERENTIAL EQUATIONS:**—Kaj L. Nielson—*Barnes & Noble*, 262 p., illus., paper, \$1.75. Presents the fundamentals of a course in elementary differential equations.

**ELECTRONICS MATH SIMPLIFIED:**—Alan Andrews—*Sams (Bobbs)*, 224 p., paper, \$4.95. For the engineering student or technician requiring knowledge of relation of math to electronics.

**ELEMENTARY METALLURGY AND METALLOGRAPHY:**—Arthur M. Shrager—*Dover*, rev. ed., 390 p., illus., paper, \$2. First published in 1949.

**ELEMENTS OF CHEMISTRY:**—Raymond B. Brownlee and others, rev. by Paul J. Boylan—*Allyn & Bacon*, 696 p., illus., \$5.68. Modern textbook for college-preparatory course.

**FIELD AND LABORATORY GUIDE FOR ECOLOGY:**—Paul C. Lemon—*Burgess*, 180 p., illus., maps, \$5. Ecological principles, processes, and techniques, presented in a wide variety of exercises.

**FROM CROSSBOW TO H-BOMB:**—Bernard and Fawn Brodie—*Dell*, 288 p., illus, paper, 50¢. Authoritatively written history of the application of science to war, a Laurel Science Original, sponsored by SCIENCE SERVICE.

**GREEN BELTS AND URBAN GROWTH:** English Town and Country Planning in Action—Daniel R. Mandelker—*Univ. of Wis. Press*, 176 p., maps, \$5. Of interest to planners, lawyers, legislators and builders.

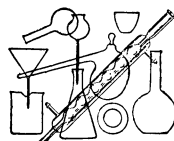
**A HISTORY OF INVENTION:**—Egon Larsen—*Roy Pubs.*, 382 p., illus., photographs, \$5.75. Single-volume account of man's technical progress in the fields of energy, transport and communication, for the general reader.

## Have you a young CHEMICAL GENIUS in your home???

Send him this Surprise package. Put him in "Seventh Heaven". Packed full of (standard size) chemical apparatus and such like goodies. No dangerous chemicals. No junk. Much of this useful, beautiful glassware (Pyrex and Kimble included) makes decorative conversation pieces for the home as well. We guarantee every lot to be worth 8 to 5 times what we ask. Just perfect for drug-store window displays. Send \$10.00 for Medium Selection. P.P. Send 20.00 for Larger Selection. P.P. Send 30.00 for Still Larger Selection. P.P.

**HARRY ROSS**

Scientific & Lab Apparatus  
61-L Reade St., N.Y. 7, N.Y.



**THE IDEAS OF BIOLOGY:**—John Tyler Bonner—*Harper*, 180 p., illus. by Anne L. Cox, \$4.95. Author stresses the meaning of biological facts, assuming that the reader has the basic information.

**ILLUSTRATED DICTIONARY OF TROPICAL FISHES:**—Hans Frey, transl. from German by A. Viggio W. Schultz—*F. T. H. Publications (Sterling)*, 768 p., photographs, maps, color illus., \$7.95. Translation of popular East German book for the hobbyist, abundantly illustrated.

**INTEGRATED BASIC SCIENCE:**—Stewart M. Brooks—*Mosby*, 507 p., illus., \$7.85. Textbook on the senior high school level, relating principles of physics and chemistry to the various physiological systems.

**INTERSOCIETY REPORTS ON PLASTICS IN BUILDING ACTIVITIES:**—Robert T. Holtz and others—*NAS-NRC*, 66 p., paper, \$5. Reports of the 1961 Spring Conference of the Building Research Institute.

**INTRODUCING PSYCHOLOGY:**—R. F. Dossetor and J. L. Henderson—*Penguin*, 159 p., paper, 95¢. Psychology for the teenager.

**AN INTRODUCTION TO AUTOMATIC DIGITAL COMPUTERS:**—R. K. Livesley—*Cambridge*, 2nd ed., 56 p., illus., \$1.75. Brief account of digital computers written mainly for engineers.

**LABORATORY INSTRUCTIONS IN BIOCHEMISTRY:**—Israel S. Kleiner and Louis B. Dotti—*Mosby*, 6th ed., 202 p., illus., paper, \$3.95. Includes experiments in chromatography and electrophoresis.

**LETTERS OF THE LEWIS AND CLARK EXPEDITION, with Related Documents, 1783-1854:**—Donald Jackson, Ed.—*Univ. of Ill. Press*, 728 p., map, \$10. Presents new information and interpretations of documents covering the major phases of the expedition story.

**LONG-RANGE BALLISTIC MISSILES:**—Eric Burgess—*Macmillan*, 255 p., illus., \$7. Survey of the ballistic missiles field, its history, basic theory, space boosters, trajectories, vehicles, re-entry bodies, defense uses and test facilities.

**McMURDO, ANTARCTICA:**—William Bixby—*McKay*, 184 p., maps, \$3.50. Tells of expeditions to McMurdo Sound, and includes chronology of Antarctic exploration from earliest times to present.

**MASTER SURGEON: A Biography of Joseph Lister:**—Laurence Farmer—*Harper*, 141 p., illus., \$2.95. Juvenile biography, written by physician.

**MATHEMATICS FOR SECONDARY SCHOOL TEACHERS:**—Bruce E. Meserve and Max A. Sobel—*Prentice-Hall*, 356 p., illus., \$9. Survey of modern mathematics and current curriculum recommendations.

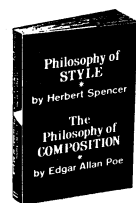
**MAYA: The Riddle and Rediscovery of a Lost Civilization:**—Charles Gallenkamp—*Pyramid*, 192 p., photographs, illus. by John Skolle, paper, 75¢. Reprint (1959).

**THE NATURE OF PARASITISM: The Relationship of Some Metazoan Parasites to Their Hosts:**—W. P. Rogers—*Academic Press*, 287 p., illus., \$7.50. Chiefly concerns nematodes and platyhelminths, the problem of infectiousness, the life of parasites and the development of parasitism.

**THE NATURE OF STATISTICS:**—W. Allen Wallis and Harry V. Roberts—*Collier*, 218 p., paper, 95¢. Reprint (1956).

**OF MEN AND NUMBERS:**—Jane Muir—*Dell*,

## WRITE FOR MONEY!



Enrich your style through Herbert Spencer's and Edgar Allan Poe's classic principles that have influenced many of the world's great authors. Indispensable for writers eager to get published! Send \$1.00 to PAGEANT PRESS, 101 5th AVE., N. Y. 3, Dept. SN.

288 p., diagrams, paper, 50¢. Presents the lives of twelve great mathematicians, for the general reader. Reprint (1961), sponsored by SCIENCE SERVICE.

**THE ORIGIN OF SPECIES** by Means of Natural Selection or the Preservation of Favoured Races in the Struggle for Life—Charles Darwin, new foreword by George Gaylord Simpson—*Collier*, 512 p., paper, 65¢. Reprint.

**THE ORIGINS OF MODERN SCIENCE, 1300-1800**—Herbert Butterfield—*Collier*, 255 p., paper, 95¢. Reprint (1957).

**PEROXIDE REACTION MECHANISMS**—John O. Edwards, Ed.—*Interscience*, 245 p., illus., \$8. Conference papers, on peroxide pathways in ozone reactions and in autoxidation, on hydrogen peroxide and other aspects of oxidation mechanisms.

**PROJECT PLOWSHARE: The Development of the Peaceful Uses of Nuclear Explosions**—Ralph Sanders, foreword by Willard F. Libby—*Public Affairs Press*, 206 p., illus., \$4.50. Comprehensive and clear presentation of the AEC's program of experiments, including Projects Gnome, Chariot and Oilsand.

**PSYCHIATRY IN MEDICINE**—Norman Q. Brill, Ed.—*Univ. of Calif. Press*, 195 p., \$3.95. Symposium on psychiatry in medicine held at UCLA School of Medicine, 1961, with particular reference to the general practitioner.

**QUANTITATIVE CHEMICAL TECHNIQUES OF HISTO- AND CYTOCHEMISTRY, Vol. I**—David Glick, foreword by Heinz Holter—*Interscience*, 470 p., illus., \$14.50. Deals with instrumentation and methodology, treating in detail gasometric, electrometric, dilatometric and fluorometric techniques.

**REFLEX THERAPY: Pathogenesis, Functional Diagnosis, Treatment, and Prophylaxis of Disease. Part I: Digestive Organs; Part II: Cardiovascular System**—G. N. Udintsev, Ed., transl. from Russian—*Consultants*, 46 p., 64 p., illus., paper, \$12.50 each, \$17.50 both.

**REGULAR SOLUTIONS**—Joel H. Hildebrand and Robert L. Scott—*Prentice-Hall*, 180 p., illus., \$7. Brings together all the quantitative aspects of regular solutions and defines present status of theory.

**THE SENSES OF ANIMALS AND MEN**—Lotus and Margery Milne—*Atheneum*, 305 p., illus. by Kenneth Gosner, \$6.95. Naturalists' exploration of the sensory perception shown by animals, and how they use their senses to communicate.

**TECHNICAL GLASSES**—M. B. Volf, transl. from Czech—*SNTL, Prague (Plenum Press)*, 464 p., diagrams, \$10. Systematic monograph on more than 850 different kinds of glasses used in laboratory equipment, industrial production, electronics and medicine, showing speedy integration of the results of research in the manufacturing process.

**TEXTBOOKS IN PRINT, 1962 (formerly The American Educational Catalog)**—*Bowker*, 91st rev. ed., multipaged, paper, \$3. Author and title index to elementary, junior and senior high school books, classified by subject.

**VACUUM MICROBALANCE TECHNIQUES, Vol. 2**—R. F. Walker, Ed., introd. by H. S. Peiser—*Plenum Press*, 179 p., illus., \$9.50. Proceedings of the 1961 Conference held at the National Bureau of Standards.

**WHERE THERE IS LIFE**—Paul B. Sears—*Dell*, 224 p., paper, 50¢. An original introduction to ecology, written by scientist for the general reader. New series sponsored by SCIENCE SERVICE.

**THE WORLD OF ARCHAEOLOGY, Vol. I: India, China, America; Vol. II: Central Asia, Africa, The Near East**—Marcel Brion, transl. from French by Neil Mann, Miriam and Lionel Kochan—*Macmillan*, 240 p., 340 p., photographs, drawings, maps, \$7.50 each; boxed set \$15. Survey of 20th century archaeological research and major discoveries in the field.

• Science News Letter, 81:300 May 12, 1962

## EASY TO SYPHON

Porto Pump for Indoor and out



For siphoning gas from auto to power mower, emptying boat, or draining the aquarium, "Porto Pump" will do the job quickly and easily. Simply insert hose, squeeze bulb, flow will start immediately! Transparent squeeze bulb lets you watch and control the flow. Hose is 5 feet long and is made of non-corrosive polyethylene. Bulb has two double acting check valves. Easy to operate. Complete with instructions included **\$2.98**



Order by mail. Satisfaction or money back.

Write for our FREE catalog of fine tools.

**DRUMCLIFF CO., Dept. 734, Towson 4, Md.**

## Hypnosis in Treatment

By WILLIAM MOODIE, M.D.

Dr. Moodie, consulting physician and psychiatrist, sees in hypnotherapy a workable method of treating certain disorders and diseases through hypnosis combined with other, traditional, methods. Extensive case material is presented to support this view.

The process, he says, is within the powers of any doctor who understands people and is in sympathy with them.

"Here is a book marked by . . . rich stimulation. . . . It may be read by an educated reader with interest and understanding, and at the same time will appeal to the specialist as well."—Joseph Bram, Prof. of Anthropology, in *Library Journal*.

"Sets forth what hypnosis can do as a practical procedure in therapy for neuroses and psychosomatic ills."—*Science News Letter*. **ORDER NOW! \$4.00 Postfree • 10-Day Money-Back Guarantee**

**EMERSON BOOKS, Inc., Dept. 448-M**  
251 West 19 Street, New York 11

## HERE'S A QUALITY STUDENT MICROSCOPE AT A BUDGET PRICE!

Although budget priced, the UNITRON Model MUS is definitely not just another student microscope. It includes these significant features often lacking in much more costly student models:

- NOT JUST a disc diaphragm . . . but an iris diaphragm for perfect control of aperture and contrast.
- NOT JUST a single focusing control . . . but both coarse and fine.
- NOT JUST a mirror . . . but a 0.65N.A. condenser for optimum illumination and resolution.
- NOT JUST two objectives . . . but three: achromatic 5X, 10X, 40X.
- NOT JUST an ordinary eyepiece . . . but a coated 10X Wide Field for large, flat fields.
- PLUS THESE SPECIAL FEATURES . . . larger stage projects beyond objective preventing damage to objectives and nosepiece. Automatic stop for fast focusing and to prevent breakage of specimen slides and optics. Durable, sturdy— withstands the use and abuse of classroom and laboratory.



Price: **\$75**  
Only

(\$67.50 each in lots 5-10)

ASK FOR A FREE 10 DAY TRIAL

Even higher discounts on quantities more than 10.

# UNITRON

INSTRUMENT COMPANY • MICROSCOPE SALES DIV.  
66 NEEDHAM ST., NEWTON HIGHLANDS 61, MASS.

Please rush UNITRON's Microscope Catalog. **5B-1**

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_

A beautifully written, scientifically sound account of . . .

## The Story of POLLINATION



B. J. D. MEEUSE, University of Washington

Full of appeal for nature lovers of all ages, here is the absorbing story of flower pollination and the curious, involved, and often amusing ways it is accomplished. This engaging book explores the ways flowers create their color effects . . . the mysteries of color vision that make animals react to them . . . the role of the honey guides in leading the pollinators to the hidden nectar.

The first scientifically accurate description in English of the intricate flower-animal relationships in pollination, the book includes amazing examples of how evolution has made some plants and animals dependent upon each other. Superb drawings in color and black-and-white and close-up photos of flowers, birds, bees, bats, etc., graphically illustrate the marvels of this adventure in nature. (167) \$7.50

" . . . might well take its place among the classics of scientific writing for the layman."—*LIBRARY JOURNAL*.

"An amazing amount of information . . . most rewarding."—*THE AMERICAN BIOLOGY TEACHER*, 1961.

## Other Important Books in The RONALD SCIENCE LIBRARY

### BIOLOGY

- Brazil—Orchid of the Tropics.**  
Muford B. Foster and  
Racine Sarsay Foster. . . . .(164) \$5.00
- Makers of North American Botany.**  
Harry Baker Humphrey. . . . .(173) \$6.00
- The Secret of the Green Thumb.**  
Henry T. Northen and  
Rebecca T. Northen. . . . .(155) \$6.00
- The Green Earth.**  
Harold William Rickett . . . . .(163) \$4.50
- Plant Life of Palestine.**  
Michael Zohary. . . . .(174) \$8.00

### MICROBIOLOGY

- Microbes Militant: A Challenge to Man.**  
Frederick Ebersson . . . . .(175) \$5.00
- Microbes of Merit.** Otto Rahn. . . . .(147) \$5.00

### ASTRONOMY, PHYSICS

- Atoms to Galaxies.**  
James Stokley . . . . .(162) \$6.00
- Skysighting.** R. Newton Mayall and  
Margaret W. Mayall . . . . .(150) \$4.50
- Sunspots in Action.**  
Harlan True Stetson. . . . .(166) \$5.00
- The Atom at Work.** Jacob Sacks. . . . .(148) \$5.50

## USE THIS COUPON TO ORDER

Please send books circled below:

- 167 164 173 155 163 174  
175 147 162 150 166 148

Check enclosed  Send C.O.D.

Name \_\_\_\_\_

Address \_\_\_\_\_ SNL-4

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

**THE RONALD PRESS COMPANY**  
15 East 26th Street, New York 10