

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.

BREAKTHROUGHS IN SCIENCE—Isaac Asimov—*Houghton*, 197 p., illus. by Karoly and Szanto, \$4. From Archimedes to Goddard, tells of the achievements of that small group of pioneering scientists whose discoveries made our present knowledge possible.

THE CHILD BUYER—John Hersey—*Knopf*, 258 p., \$4. A novel in the form of hearings before an imaginary Committee on Education, Welfare & Public Morality of a State Senate, investigating the conspiracy to purchase a male child.

COMMUNITY OF FEAR—Harrison Brown and James Real, foreword by Reinhold Niebuhr—*Center for the Study of Democratic Institutions*, 40 p., paper, single copies free upon request direct to publisher, Box 4068, Santa Barbara, Calif. Paper on the arms race as it relates to the technology of modern war.

DEVELOPING CELL SYSTEMS AND THEIR CONTROL—Dorothea Rudnick, Ed.—*Ronald*, 240 p., illus., \$8. Contributions to the Eighteenth Symposium of the Society for the Study of Development and Growth.

THE DISCOVERY OF THE WORLD—Albert Bettex—*Simon & Schuster*, 379 p., 303 illus., \$22.50; until Christmas \$17.50. Handsome volume about great explorers and the worlds they found, illustrated with reproductions from contemporary works of art.

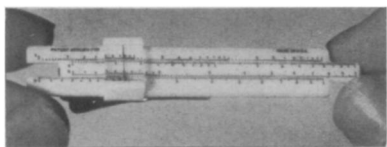
EPIDEMIOLOGIC METHODS—Brian MacMahon, Thomas F. Pugh and Johannes Ipsen—*Little*, 302 p., \$7.50. Summarizes concepts and sets down methods by which the distribution of any form of disease can be most profitably studied.

THE EXPLORATION OF SPACE—Arthur C. Clarke—*Fawcett*, rev. ed., 192 p., illus., paper, 50¢. Reprint of 1959 Harper edition.

THE FIRST BOOK OF MYTHICAL BEASTS—Helen Jacobson—*Watts*, F., 69 p., illus. by Lewis Zacks, \$1.95. Tells children about the strange beasts of folk tales and ancient myths.

FOUNDATIONS OF ELECTRODYNAMICS—Perry Moon and Domina Eberle Spencer—*Van Nostrand*, 314 p., illus., \$9.75. Textbook develops electrodynamics on a postulational basis and defines concepts in the most general way.

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GENERAL ENDOCRINOLOGY—C. Donnell Turner—*Saunders*, 3rd ed., 511 p., illus., \$9.50. Completely rewritten and updated, presents endocrinology as a basic science rather than a clinical specialty, with emphasis on experimental aspects.

GEOLOGICAL SURVEY RESEARCH 1960, Part A: Synopsis of Geological Results. Part B: Short Papers in the Geological Sciences—Thomas B. Nolan, Dir.—*GPO*, 136 p., 515 p., paper, \$4.25. Scientific notes and summaries of investigations prepared by members of the Geologic Division.

GEOLOGY—Richard M. Peal—*Barnes & Noble*, 260 p., illus., paper, \$1.75. Introduction, in outline form, to the principles of physical and historical geology.

GETTING THE MOST OUT OF YOUR TAPE RECORDER—Herman Burstein—*Rider*, J. F., 170 p., illus., paper, \$4.25. Handbook for the audiophile, written in nontechnical language.

GUIDE TO U.K.A.E.A. DOCUMENTS—J. Roland Smith, Ed.—*U.K. Atomic Energy Authority (British Inform. Services)*, 2nd ed., 32 p., 32¢. U.K.A.E.A. information and its availability, document series and referencing systems, bibliographies.

THE INTELLIGENT MAN'S GUIDE TO SCIENCE, Vol. I: The Physical Sciences. Vol. II: The Biological Sciences—Isaac Asimov, introd. by George W. Beadle—*Basic Bks.*, 853 p., illus., boxed set \$15; until Christmas \$11.95. Highly readable survey of basic advances in man's scientific understanding of life and the universe.

THE INTERNATIONAL DICTIONARY OF APPLIED MATHEMATICS—W. F. Freiberger and others, Eds.—*Van Nostrand*, 1173 p., diagrams, \$25. Defines terms and describes methods in the applications of mathematics to 31 fields of physical science and engineering, from Abampere to Zustandssumme. With multilingual indices in German, Russian, French and Spanish.

INTERPLANETARY FLIGHT: An Introduction to Astronautics—Arthur C. Clarke—*Harper*, rev. ed., 144 p., illus., \$3.50. Pioneer book in astronautics for the general reader brought up to date, with mathematical appendix.

INTRODUCTION TO TEXTILES—Evelyn E. Stout—*Wiley*, 363 p., illus., \$6.50. Describes some ninety natural, thermoplastic and non-thermoplastic man-made fibers, discusses wash-and-wear developments and texturizing processes.

LABORATORY EXERCISES IN GENETICS—Howard A. Royle—*Burgess*, 4th ed., 80 p., illus., paper, \$1.50. Part on Cytogenetics has been fully revised.

LAND OF THE SNOWSHOE HARE—Virginia S. Eifert—*Dodd*, 271 p., photographs by author, \$4. Takes reader to the coniferous forests of the northern states and Canada.

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LAOS: Its People, Its Society, Its Culture—Frank M. LeBar and Adrienne Suddard—*Hraf Press (Taplinger)*, 294 p., maps, \$6.50. Human Relations Area Files survey of the small Southeast Asian country and its two million people, neighbors of Red China.

LECTURES ON HAEMATOLOGY—F. G. J. Hayhoe—*Cambridge Univ. Press*, 247 p., illus., \$11.50. Thirteen lectures for physicians and clinical pathologists on such subjects as transfusion hazards, haemoglobin variants and chemotherapy of leukemia.

THE LIVING LABORATORY: 200 Experiments for Amateur Biologists—James Donald and Rebecca Hutto Witherspoon—*Doubleday*, 256 p., illus. by authors, \$3.95. Describes safe and meaningful projects and experiments with animals and the human body; indexed, lists biological supply houses.

LOOK TO THE WILDERNESS—W. Douglas Burden—*Little*, 251 p., photographs, \$6.50. Stories about wilderness in the North, in jungles, the Himalayas, Mongolia and many other places.

THE MATHEMATICS OF RADIATIVE TRANSFER—I. W. Busbridge—*Cambridge Univ. Press*, 143 p., \$5. Rigorous treatment of mathematical problems that arise in the theory of the transfer of radiation through the atmosphere of a star.

McCALL'S GOLDEN DO-IT BOOK—Adapted by Joan Wyckoff, Nan Comstock, Ed.—*Golden Press*, 156 p., illus. by William Dugan, \$2.95. Not science, but full of ideas for things children can create with their hands.

THE MECHANICS OF VIBRATION—R. E. D. Bishop and D. C. Johnson—*Cambridge Univ. Press*, 592 p., diagrams, \$19.50. The concept of receptance is used throughout, linking simple and multi-freedom systems with lumped parameters and infinite freedom systems.

MEN OF SPACE: Profiles of the Leaders in Space Research, Development and Exploration, Vol. 1—Shirley Thomas—*Chilton Co.*, 235 p., photographs, \$3.95. Biographical sketches, including Goddard, Stapp, von Neumann, von Braun, von Karman and Van Allen.

MICROTECHNIQUE: A Student's Guide to Slide-Making—Arthur W. Jones and John M. Carpenter—*Burgess*, rev. ed., 44 p., paper, \$2. Emphasizes student's independent study.

MUSHROOMS OF THE GREAT SMOKIES: A Field Guide to Some Mushrooms and Their Relatives—L. R. Hesler—*Univ. of Tenn. Press*, 289 p., photographs by author, \$5.50. Identifies 183 species for the inquiring amateur.

NUCLEIC ACID OUTLINES, Vol. 1: Structure and Metabolism—Van R. Potter—*Burgess*, 292 p., \$5. Intended to provide a background and reference guide to the basic biochemistry of nucleic acids.

101 SIMPLE EXPERIMENTS WITH INSECTS—H. Kalmus—*Doubleday*, 194 p., illus., \$2.95. Projects for biology student and amateur scientist, exploring the physiology and behavior of insects.

PEOPLE! Challenge to Survival—William Vogt—*Sloane*, 257 p., \$4.50. Personal survey and assessment of the problems of excessive population growth in different parts of the world.

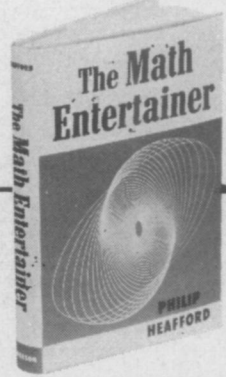
PEOPLE, PROBLEMS AND PROFITS: The Uses of Psychology in Management—Saul W. Geller—*(Continued on p. 334)*



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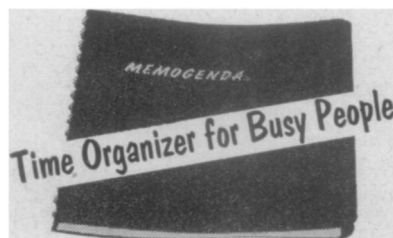
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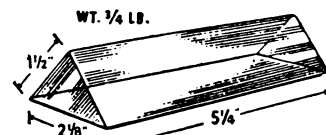


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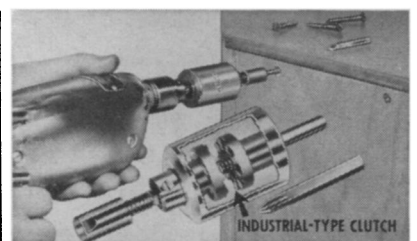
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NATIONAL GEOGRAPHIC MAGAZINES, 1888-1960, any issue. Periodical Service, Box 465-SN., Wilmington, Delaware.

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Books of the Week

(Continued from p. 332)

man—McGraw, 254 p., \$5.95. Psychologist's attempt to give the executive an understanding of how psychology can aid him.

PETROLOGY FOR STUDENTS: An Introduction to the Study of Rocks Under the Microscope—Alfred Harker—Cambridge Univ. Press, 8th rev. ed., 283 p., illus., paper, \$1.95. Reprint.

PLASMA ACCELERATION—Sidney W. Kash, Ed.—Stanford Univ. Press, 117 p., illus., \$4.25. Fourth Lockheed Symposium on Magnetohydrodynamics, held in December 1959.

PRINCIPLES OF CRIMINOLOGY—Edwin H. Sutherland and Donald R. Cressey—Lippincott 6th ed., 646 p., \$9.50. Includes bibliography of recent works on theory of differential association.

PRINCIPLES OF GENETICS—Eldon J. Gardner—Wiley, 366 p., illus., \$7.50. Textbook concentrates on the basic fundamentals of genetics and tells the story of the classical experiments.

PRINCIPLES OF ZOOLOGY: A Laboratory Manual—Philip A. Buscemi, Jean K. Lauber and Stewart C. Schell—Burgess, 100 p., illus., paper, \$2.25. To be used with beginning zoology course.

PROBLEM-SOLVING METHODS IN SCIENTIFIC TEACHING—Lester C. Mills and Peter M. Dean—Teachers College, 88 p., paper, \$1.50. On the use of problem-solving as a technique for teaching earth sciences, biological and physical sciences.

QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS—V. V. Nemytskii and V. V. Stepanov—Princeton Univ. Press, 523 p., \$12.50. Translation of the latest edition of important Russian work.

RAND McNALLY BOOK OF NATIONS—Rand McNally, 94 p., illus., maps, cloth \$4.95; paper board \$3.95. Colorful geographical almanac for children. Includes the new African states.

RUSSIAN SCIENCE IN THE 21ST CENTURY—Sergei Goushech and Mikhail Vassiliev, Eds.—McGraw, 222 p., photographs, \$4.95. Soviet journalists report interviews with 29 Russian scientists and technologists about trends and projects in their fields.

SPACE ROCKETS AND MISSILES—Raymond F. Yates and M. E. Russell—Harper, 337 p., photographs, \$3.50. Informative review and descriptions of present and planned rockets, missiles and space probes, with glossary and list of launchings.

SPACE TRAJECTORIES: Symposium Sponsored by American Astronautical Society, A.R.P.A. and Radiation Inc.—T. C. Helvey, Chmn—Academic, 298 p., illus., \$12. Comprehensive survey of space trajectory analysis in 1960.

THE SQUEEZE: Cities without Space—Edward Higbee, foreword by Fairfield Osborn—Morrow, 348 p., \$5.95. Geographer discusses the present pattern and desirable changes in making metropolitan United States more habitable.

THERMOELECTRIC MATERIALS AND DEVICES—Irving B. Cadoff and Edward Miller, Eds.—Reinhold, 344 p., illus., \$9.75. Theory of thermoelectric processes and circuits, followed by survey of recent progress in the development of materials for thermoelectric devices.

ULTRAVIOLET GUIDE TO MINERALS—Sterling Gleason—Van Nostrand, 244 p., illus. in color, \$6.95. A working manual for the use of ultraviolet light in locating and recognizing minerals, includes field identification charts.

UNESCO COPYRIGHT BULLETIN, Vol XIII, No. 1, 1960—Unesco Pub. Center (N.Y.), 214 p., paper, \$2.40. Reports on fourth session of International Copyright Committee.

WATER FOR THE WORLD—Elizabeth S. Helfman—Longmans, 213 p., illus. by J. MacDonald, \$3.75. Story about water and what it means in the lives of people, here and abroad.

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