

# 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.

**THE AGE OF PSYCHOLOGY**—Ernest Havemann—*Simon & Schuster*, 115 p., paper \$1.00, cloth \$3.50. A book about the popularity of psychology by a writer who trained as a psychologist.

**APPLIED OPTICS AND OPTICAL DESIGN**—A. E. Conrady—*Dover*, 518 p., illus., paper, \$2.95. Devoted to the development of general methods for the solution of optical problems.

**BASIC RESEARCH: A National Resource**—National Science Foundation—*Govt. Printing Office*, 64 p., paper, 45 cents. There are few subjects, the foreword points out, so deeply related to our present and future vitality and strength as a nation as is basic research in science. (See p. 291.)

**BETTER BIOLOGY FOR HIGH SCHOOL**—D. K. Gillespie—*Vantage*, 235 p., illus., \$3.50. A syllabus-text for high-school teachers intended to satisfy a pupil's craving for facts. Presenting study material not ordinarily found in current high-school biology texts.

**BIOLOGICAL ASPECTS OF THE TRANSMISSION OF DISEASE**—C. Horton-Smith, Ed.—*Hafner Pub. Co.*, for Institute of Biology, 184 p., \$4.00. Based on a symposium intended to break down specialist barriers that have hindered exchanges of views among workers in allied biological fields.

**THE BIOLOGY OF AGEING**—W. B. Yapp and G. H. Bourne, Eds.—*Hafner Pub. Co.*, Symposia of the Institute of Biology No. 6, 128 p., \$4.25. Discussing the characteristics of growing old in animals, plants, and even bacteria, as well as man, and the chances for delaying the process.

**THE CENTURY OF THE SURGEON**—Jürgen Thorwald—*Pantheon Books*, 432 p., illus., \$5.95. Telling of the great advances made by surgery during the lifetime of one man.

**CLUES TO SUICIDE**—Edwin S. Shneidman and Norman L. Farberow, Eds., foreword by Karl A. Menninger—*McGraw-Hill*, 227 p., \$5.50. Some 16,000 persons in the U. S. take their own lives in a year. Many of these suicides might have been prevented.

**A COMPARISON OF THE DEVELOPMENT OF ORAL AND WRITTEN LANGUAGE IN SCHOOL-AGE CHILDREN**—Lester E. Harrell, Jr.—*Child Development Publications*, 77 p., paper, \$2.50. We know much more about the writing of children than of their oral composition and the relationship between this and writing.

**DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS**—N. Irving Sax and others—*Reinhold*, revised and enlarged ed. of Handbook of Dangerous Materials, 1467 p., \$22.50. This new edition lists over 8,500 materials with encyclopedic information on the hazards.

**DRUGS AND THE MIND**—Robert S. de Ropp, foreword by Nathan S. Kline—*St. Martins*, 310 p., \$4.50. The story of the new and ancient drugs—from Marihuana to "Miltown"—their effect on the brain and emotions, their potentialities for good and evil.

**EARTH SATELLITES AND THE RACE FOR SPACE SUPERIORITY**—G. Harry Stine—*Ace Books*, 192 p., illus., paper, 35 cents. What is behind the remarkable feat of hanging a new moon in the heavens.

**FEAR: Contagion and Conquest**—James Clark Moloney—*Philosophical Library*, 140 p., \$3.75. Telling of neurotic tensions and their transmission from a neurotic mother to her child.

**THE GOOD HOUSEKEEPING BOOK OF BABY AND CHILD CARE**—L. Emmett Holt, Jr.—*Appleton*, 288 p., illus., \$4.95. A beautiful successor to the original Holt baby book written by this author's father. It was the original Holt book, written in 1895, that put babies on a rigid clock schedule for feedings.

**A GUIDE TO SCHOOL INTEGRATION**—Jean D. Grambs—*Public Affairs Committee*, Public Affairs Pamphlet No. 255, 28 p., illus., paper, 25 cents. Help for communities and educational leaders grappling with this problem. Prepared in cooperation with the Society for the Psychological Study of Social Issues.

**GUINEA PIGS**—L. B. Fink, rev. and Ed. by B. Eddie and Elizabeth S. Ferrari—*All-Pets Books*, 24 p., illus., paper, 50 cents. How to breed and care for this popular laboratory animal.

**HOW ATOMIC SUBMARINES ARE MADE**—David C. Cooke—*Dodd*, 64 p., illus., \$1.95. A picture book with text.

**HOW TO LIVE WITH A NEUROTIC**—Albert Ellis—*Crown*, 206 p., \$3.95. Help for families who have the difficult problem of getting along with a neurotic without making him worse or becoming neurotic yourself.

**INSTALLING ELECTRONIC DATA PROCESSING SYSTEMS**—Richard G. Canning—*Wiley*, 193 p., diagrams, \$6.00. A non-technical book on the practical problems involved.

**JET AIRCRAFT POWER SYSTEMS**—Jack V. Casamassa and Ralph D. Bent—*McGraw-Hill*, 2d ed., 329 p., illus., \$10.75. Basic information for the technician, mechanic or instructor.

**MATHEMATICAL PUZZLES AND PASTIMES**—Philip Haber, Ed.—*Peter Pauper*, 62 p., illus. by Stanley Wyatt, \$1.00. Fun for those who like figures and puzzles.

**NEW RESEARCH TECHNIQUES OF NEUROANATOMY: A Symposium** Sponsored by the National Multiple Sclerosis Society—William F. Windle, Ed., foreword by Frederick L. Stone—*Thomas, C. C.*, 98 p., illus., \$4.75. We have already passed through the "Cajal epoch" of neuro-anatomical research, the editor explains, and

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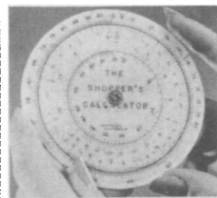
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## BOOKS from Wisconsin

METABOLIC ASPECTS OF  
TRANSPORT ACROSS CELL  
MEMBRANES

Edited by Q. R. MURPHY

This symposium is primarily devoted to problems involving skin, nerve, gastric, and intestinal mucosa, and the kidney, with discussions of fluid exchange and the effect of metabolic derangements on ion exchange in the whole organism. Attention is also given to possible correlations of clinical problems and basic information. October 25, 1957 416 pages, \$7.50

THE UNIVERSITY OF WISCONSIN PRESS  
430 Sterling Court

THE COMPUTING  
LABORATORY IN THE  
UNIVERSITY

Edited by PRESTON C. HAMMER

Thirty-one experts from the 1955 conference on the computing laboratory in the university discuss the university's place in the computing field, particular applications of computers in science and industry, problems of training personnel, and ways to establish computing laboratories in universities.

September 9, 1957 256 pages, \$6.50

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are now entering a new one in which may be revealed information of far-reaching importance.

**PATHFINDERS, U. S. A.:** Your Career on Land, Sea and Air—Harry Edward Neal—*Messner*, 192 p., illus., \$3.50. For the student interested in selecting a career.

**PEDRO, THE ROAD RUNNER**—George Cory Franklin—*Hastings House*, 94 p., illus. by William Moyer, \$2.50. A factual story for children about an unusual and amusing bird of the American West.

**THE PILGRIMS KNEW**—Tillie S. Pine and Joseph Levine—*Whittlesey House*, 32 p., illus. by Ezra Jack Keats, \$2.25. A book for children telling what the early colonists knew about science.

**THE REAL BOOK ABOUT OUR NATIONAL PARKS**—Nelson Beecher Keyes—*Garden City Books*, 216 p., illus., \$1.95. Information for tourists or for those who must do their sightseeing from the fireside armchair.

**REFRIGERATION, AIR CONDITIONING, AND COLD STORAGE: Principles and Applications**—Raymond C. Gunther—*Chilton Co.*, 1232 p., illus., \$17.50. Covering development, production, and application in this field. For use by field and plant engineers as well as by students.

**SCIENCE TEACHING IN SECONDARY SCHOOLS**—John S. Richardson—*Prentice-Hall*, 385 p., illus., \$6.50. To help science teachers develop scientific behavior in their students. This involves more than the passing on of a collection of scientific facts.

**SCIENTIFIC RESOURCES OF THE SAN FRANCISCO BAY AREA**—Cooperative Research Foundation, Eds.—*International Science Foundation*, 96 p., \$5.00. A listing of scientific and research institutions and facilities.

**THE SPECIES PROBLEM: A Symposium Presented at the Atlanta Meeting of the American Association for the Advancement of Science, 1955**—Ernst Mayr, Ed.—*Am. Assn. for the Advancement of Science*, 395 p., illus., \$8.75. Reporting fresh attacks on an old and challenging problem.

**TV—It's a CINCH**—E. Aisberg, translated by Fred Shunaman—*Gernsback Library*, 224 p., illus. by Sol Ehrlich, paper \$2.90, cloth \$4.60. A book by a French author translated and adapted for American readers. Of particular interest to the boy who may be thinking of becoming an electronics engineer.

**UNDERGROUND RICHES: The Story of Mining**—Walter Buehr—*Morrow*, 95 p., illus. by author, \$2.50. Information for young people.

**WHO LIVES IN THIS HOUSE? A Story of Animal Families**—Glenn O. Blough—*Whittlesey House*, 48 p., illus. with drawings by Jeanne Bendick, \$2.50. Telling children about the animal families that live in a house abandoned by human occupants. The animal families include birds, wasps, spiders and squirrels.

Science News Letter, November 9, 1957

## Questions

**ASTRONAUTICS**—How do scientists propose to solve the problem of "hot spots" on space ships? p. 295.

**BIOLOGY**—What effect does fowl pox vaccination appear to have on a hen's ability to produce spontaneous embryos? p. 291.

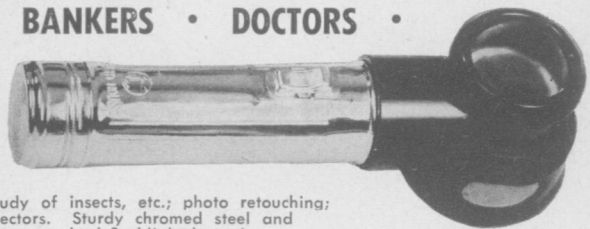
**MEDICINE**—What is the "Munchausen's syndrome"? p. 297.

Photographs: Cover, U.S. Department of Agriculture; p. 291, U.S. Naval Ordnance Laboratory; left, Columbia University, right, United Press Telephoto; p. 294, Westinghouse Electric Corporation; p. 295, Grumman Aircraft Engineering Corp.; p. 298, General Motors Corp.; p. 304, Ruby Barnhard.

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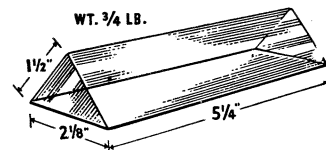


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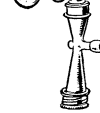
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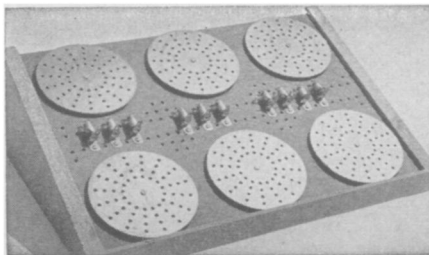
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