

# Books of the Week

**TO SERVE YOU:** To get books, send us a check or money order to cover retail price. Address Book Dept., SCIENCE NEWSLETTER, 1719 N St., N. W., Washington 6, D. C. Ask for free publication direct from issuing organizations.

**ALL AROUND YOU: A First Look at the World**—Jeanne Bendick—*McGraw-Hill*, 48 p., illus., \$2.00. A first science book for small children.

**AMPHIBIANS AND REPTILES OF THE HOPKINS-BRANNER EXPEDITION TO BRAZIL**—Karl P. Schmidt and Robert F. Inger—*Chicago Natural History Museum*, 27 p., paper, 40 cents.

**COOPERATION AMONG ANIMALS WITH HUMAN IMPLICATIONS**—W. C. Allee—*Schuman*, 233 p., illus., \$3.50. "Man," the author concludes, "is not bound to wait for a reshuffling of hereditary genes before he can discontinue behavior that tends toward the destruction of his species."

**CULTURE WORLDS**—Richard Joel Russell and Fred Bowerman Kniffer—*Macmillan*, 620 p., illus., \$6.00. A regional geography for college freshmen based on cultural divisions rather than on political frontiers.

**FACTORS AFFECTING TEMPERATURES IN SOUTHERN FARMHOUSES**—Joseph W. Simons and Frank B. Lanham—*Govt. Printing Office*, 91 p., illus., paper, 25 cents. Suggestions for keeping your house warm in winter and cool in summer. Technical Bulletin 822, USDA.

**THE FOURIER INTEGRAL AND CERTAIN OF ITS APPLICATIONS**—Norbert Wiener—*Dover*, 201 p., \$3.95. A book on advanced mathematics based on lectures given at the University of Cambridge, England. This is the first American printing of the book originally published in 1933.

**GENERAL CHEMISTRY FOR COLLEGES**—B. Smith Hopkins and John C. Bailar, Jr.—*Heath*, 4th ed., 694 p., illus., \$5.50. A text designed to give not only an understanding of the principles of chemistry but an appreciation of its importance in modern life.

**HOP, SKIP, AND FLY: Stories of Small Creatures**—Irmengarde Eberle—*Holiday House*, 62 p., illus., \$2.00. Charming nature stories for children of all ages.

**I TOOK IT LYING DOWN**—Marian Spitzer—*Random House*, 247 p., \$2.75. A recovered tuberculosis patient tells of her battle with that dread disease and the abrupt change from a life of hyperactivity to complete rest in bed.

**INSECTS IN YOUR LIFE**—C. H. Curran—*Sheridan House*, 316 p., illus., \$3.50. Interesting little tales about familiar creatures.

**MAIL BY RAIL: The Story of the Postal Transportation Service**—Bryant Alden Long and William Jefferson Dennis—*Simmons-Boardman Publishing Corp.*, 414 p., illus., \$4.95. Telling the adventurous story of the Railway Mail Service with technical details of especial interest to those planning to enter the service.

**A NEW LIZARD OF THE GENUS VARANUS FROM NEW GUINEA**—Robert Mertens—*Chicago Natural History Museum*, 5 p., illus., paper, 10 cents.

**THE ORIGIN OF THE EARTH**—W. M. Smart—*Cambridge*, 239 p., illus., \$2.75. A book which had its origin in a series of lectures delivered to members of three fighting services during the last year of the Second World War.

**PVP (POLYVINYLPIRROLIDONE): Preparation, Properties and Applications in the Blood Field and in Other Branches of Medicine, An Annotated Bibliography to 1950**—*General Aniline and Film Corp.*, 174 p., illus., free to research and medical directors upon request to the publishers, 220 Park Ave., New York 17, N. Y. Includes 227 abstracts on this synthetic blood plasma supplement.

**PRACTICE FOR ARMY TESTS**—*Arco*, 151 p., illus., paper, \$2.00. Material for practice of the general sort used in some of the Army tests. You will not improve your score tremendously by diligent study of this book, but it may help your confidence.

**PROFESSIONAL OPPORTUNITIES IN MATHEMATICS**—H. W. Brinkmann and others—*Mathematical Association of America*, 24 p., paper, 25 cents. Information for undergraduate students.

**PSYCHOLOGICAL FACTORS OF PEACE AND WAR**—T. H. Pear, Ed.—*Philosophical Library*, 262 p., \$4.75. In this book published on behalf of the United Nations Association, a group of psychologists have reported pertinent facts about the mental factors that lead to war or to peace.

**A REVIEW OF THE WOODPECKERS *CHRYSOPTILUS MELANOCHLOROS* and *C. MELANOLAIMUS***—Melvin A. Traylor, Jr.—*Chicago Natural History Museum*, 17 p., illus., paper, 20 cents.

**SOVIET ATOMIC ESPIONAGE**—Joint Committee on Atomic Energy—*Govt. Printing Office*, 222 p., paper, 50 cents. Statements and hearings tending to link certain individuals with the transmission of information to Soviet Russia.

**TWO NEW MAMMALS FROM SOUTHERN PERU**—Colin Campbell Sanborn—*Chicago Natural History Museum*, 5 p., illus., paper, 10 cents. One is a new genus of marsupial and the other is a southern race of bat.

## CHEMISTRY

### Difficult to Rejuvenate Worn-out Storage Batteries

► **VARIOUS PREPARATIONS** advertised to put new life into worn-out or so-called "dead" lead-acid batteries, such as used in automobiles, have little or no value, it is shown from recent tests made by the National Bureau of Standards.

The Bureau has made extensive laboratory and field tests for the Federal Government in order to determine the practicability of these so-called additives. The tests show little or no difference between batteries treated with these mixtures and similar untreated batteries used as controls.

A circular describing the tests has just been issued by the Bureau. Copies may be obtained from the Government Printing Office for 15 cents. It is National Bureau of Standards Circular 504, entitled *Battery Additives*.

Science News Letter, April 21, 1951

*Smog* components responsible for damage to vegetation in the Los Angeles region are unsaturated hydrocarbons, main source of which is petroleum.

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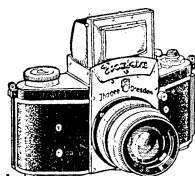
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