

•First Glances at New Books

ECONOMICS

BILLIONS FOR DEFENSE — Alfred G. Buehler, ed.—*American Academy of Political and Social Science*, 219 p., \$2 paper; \$2.50 cloth. (The Annals, Vol. 214, March, 1941). The present defense program is costing the American people unprecedented sums of money. Various possible methods of raising the necessary amount are discussed in this volume by a number of experts.

Science News Letter, March 15, 1941

PSYCHOLOGY

FACTORIAL STUDIES OF INTELLIGENCE—L. L. Thurstone and Thelma Gwinn Thurstone—*Univ. of Chicago*, 94 p., \$1.50. A report of the authors' latest research in attempting to isolate the primary mental abilities and a description of the tests used. Microfilm copies of the complete tests may be obtained from the American Documentation Institute, care of Science Service.

Science News Letter, March 15, 1941

PSYCHOLOGY

FACTOR ANALYSIS TO 1940—Dael Wolfe—*Univ. of Chicago Press*, 69 p., \$1.25. A clear explanation for psychologists of a mathematical technique which the author believes to be "a powerful exploratory tool" for searching out the human abilities underlying performance in any particular field.

Science News Letter, March 15, 1941

SURGERY

BONE GRAFT SURGERY IN DISEASE, INJURY AND DEFORMITY—Fred H. Albee and Alexander Kushner—*Appleton*, 403 p., illus., \$7.50.

Science News Letter, March 15, 1941

MEDICINE—BIOGRAPHY

TUBERCULOSIS AND GENIUS—Lewis J. Moorman—*Univ. of Chicago Press*, 271 p., illus., \$2.50. Dr Moorman shows the influence tuberculosis had on the lives and achievements of 10 famous men and women, explaining in an introduction what medical men know of the psychological influence of this disease

Science News Letter, March 15, 1941

PHYSICS

TEMPERATURE, ITS MEASUREMENT AND CONTROL IN SCIENCE AND INDUSTRY—Symposium held under auspices of American Institute of Physics—*Reinhold Publishing Corp.*, 1362 p., charts, \$11. All phases of temperature are covered in de-

tail in this authoritative work, such as, to mention at random a few of the headings, "Thermoelectric Thermometry," "The Resistance of Living Matter to Very Low Temperatures," "Automatic Temperature Control," "Earth Temperatures in Oil Fields," "Oxide Coated Filaments," etc.

Science News Letter, March 15, 1941

MEDICINE

THE FUNDAMENTALS OF NUTRITION—Estelle E. Hawley, Esther E. Maurer-Mast and others—*Thomas*, 477 p., illus., \$5. A technical book for doctors and others professionally concerned with nutrition.

Science News Letter, March 15, 1941

MEDICINE

A SURGEON EXPLAINS TO THE LAYMAN—M. Benmosché—*Simon and Schuster*, 317 p., illus., \$3. A simple, clear account of how and why various surgical operations are performed, written to dispel any fear of surgery due to ignorance about it.

Science News Letter, March 15, 1941

SAFETY

COMMON-SENSE DRIVING AND PEDESTRIAN RULES WITH RULES FOR BICYCLE RIDERS—Dennis H. Jackson—*Dennis Production, Inc.*, 197 p., illus., \$1.65. Since the boys and girls now in school will be the auto drivers of coming years, it seems to be sound reasoning that proper training of them will do much to cut down the accident toll of the future. This excellent book is addressed to them, and should be widely used.

Science News Letter, March 15, 1941

CHEMISTRY

THE THEORY OF ORGANIC CHEMISTRY, An Advanced Course—Gerald E. K. Branch and Melvin Calvin—*Prentice-Hall*, 523 p., \$4. A text for an advanced course, which deals with the electronic structural theory of atoms, and its application to organic chemistry.

Science News Letter, March 15, 1941

TECHNOLOGY

PRACTICAL JOB POINTERS—Nelson L. Burbank, Comp.—*Simmons-Boardman*, 129 p., illus., \$2. Such pointers are included as methods of building a stiffening for a roof, forming a concrete coping, placing pipe in plastered walls, hanging a window box, etc.

Science News Letter, March 15, 1941

GENERAL SCIENCE

SCIENCE IN PROGRESS (2nd series) — George A. Baitsell, ed. — *Yale Univ. Press*, 317 p., illus., \$4. Ten leaders in American science, Sigma Xi lecturers of two years, give authoritative and readable accounts of the state of progress in as many fields of science. Like the first series under this title, it is a notable and useful record.

Science News Letter, March 15, 1941

PSYCHIATRY

THE NEUROSES IN WAR—Emanuel Miller, ed.—*Macmillan*, 250 p., \$2.50. See page 167.

Science News Letter, March 15, 1941

ZOOLOGY

FURTHER NOTES ON MEXICAN SNAKES OF THE GENUS SALVADORA—Hobart M. Smith—*Smithsonian Institution*, 12 p., illus., 10c.

Science News Letter, March 15, 1941

ECONOMICS

HOW TO START A LIFE INSURANCE PROGRAM—*The Institute for Risk Analysis*, 32 p., 50c. A clearly written statement of those aspects of insurance which must be familiar to anyone in order to select the type and amount of protection suitable to his needs. It describes in figures what becomes of the insurance premium, and clears up many points not ordinarily discussed by agents.

Science News Letter, March 15, 1941

ASTRONOMY

THE LAPLACIAN AND GAUSSIAN ORBIT METHODS—Samuel Herrick, Jr.—*Univ. of Calif. Press*, 56 p., 75c. Of interest to mathematical astronomers.

Science News Letter, March 15, 1941

TECHNOLOGY

TECHNOLOGY AND SOCIETY, The Influence of Machines in the United States—S. McKee Rosen and Laura Rosen—*Macmillan*, 474 p., illus., \$4. In this discussion of the changes which modern inventions have brought to United States life are considered their economic and social aspects, and such phases as the effect of centralization on a particular industry and the social effect of being sick in a hospital, rather than in the home. They conclude that "unless and until the use of technology is subordinated to constructive and socially desirable ends, the prospects for society in the future remain dim and uncertain."

Science News Letter, March 15, 1941