

# First Glances at New Books

➤ **EVERYONE SHOULD** know something of the nature of the physical world in which he lives. This knowledge is given in *MAN AND HIS PHYSICAL WORLD*, by Dwight E. Gray (*Van Nostrand Company*, \$3.75). It is not a book for casual reading but for serious study by those who really want to know. It was prepared for college students who are not majoring in a scientific field. It contains no mathematics.

*Science News Letter, October 17, 1942*

➤ **APPROPRIATELY** starting with vectors, since the book is intended for students of engineering and the physical sciences, *A FIRST COURSE IN MATHEMATICS*, by Edward Baker (*Van Nostrand*, \$3), leads the student by easy stages from less difficult to more difficult subjects, ending with a short chapter on the underlying principles of the calculus.

*Science News Letter, October 17, 1942*

➤ **TO HELP** the young man choose that branch of engineering that best suits his inclinations and abilities, is the object of *YOUR CAREER IN ENGINEERING*, by Norman V. Carlisle (*Dutton*, \$2.50). This is accomplished by showing both by text and photographs the sort of work he will encounter in each field.

*Science News Letter, October 17, 1942*

➤ **TO HELP** win the war on the food front, the U. S. Bureau of Home Economics has prepared two sets of 14 x 20 inch colorful, pictorial charts that would make good wall decorations for kitchens and classrooms. *FIGHT FOOD WASTE IN THE HOME* tells how to keep food safe from spoilage. *GET THE GOOD FROM YOUR FOOD* tells ways to stop waste in all steps of food preparation from peeling to dishing-up. The charts are sold in sets only. (*Govt. Print. Off.*, 25c per set of 10).

*Science News Letter, October 17, 1942*

➤ **THE MANNER** in which nebulae have acquired their spiral arms is plausibly accounted for on the basis of classical dynamics in *PRINCIPLES OF STELLAR DYNAMICS*, by S. Chandrasekhar of Yerkes Observatory (*Univ. of Chicago Press*, \$5.). Other major problems of modern astronomy are also illuminatingly discussed. The book is, in fact, an excellent introduction to the whole field of stellar dynamics.

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➤ **SINCE** 1885 when Ebbinghaus published his pioneer work on *Memory*, many psychological experiments have been conducted and much has been learned about how men learn and why they forget. This wealth of knowledge is summarized and interpreted for college students in *THE PSYCHOLOGY OF HUMAN LEARNING: AN INTRODUCTION* by John A. McGeech, (*Longmans, Green*, \$4.) who was a widely known authority in this field, located at the University of Iowa. It is a posthumous volume,

having been just completed and sent to the publishers before his death.

*Science News Letter, October 17, 1942*

➤ **AN EYE-WITNESS** account of twenty years of fascinating Egyptian archaeological discoveries is found in *EXCAVATIONS AT DEIR EL BAHRI: 1911-1931*, by H. E. Winlock (*Macmillan*, \$5). Mr. Winlock was Director of the Egyptian Expedition of the Metropolitan Museum.

*Science News Letter, October 17, 1942*

## • Books Just Off the Press •

**THE CRUX OF CHRONOLOGY**—Frank Herman Meyer—*Humphries*, 599 p., \$3.

**DEMOCRATIC IDEALS AND REALITY**—Halford J. Mackinder—*Holt*, 219 p., illus., \$1.90. "A study in the politics of reconstruction."

**GASOLINE, PAST, PRESENT AND FUTURE**—Graham Edgar—Amer. Soc. for Testing Materials, 14 p., 35c. The Seventeenth Edgar Marburg Lecture presented before the 45th annual meeting of the A. S. T. M.

**GEOMORPHOLOGY**—O. D. von Engeln—*Macmillan*, 655 p., illus., \$4.50.

**THE GREAT OFFENSIVE**—Max Werner—*Viking*, 360 p., \$3. A military history of the war since the time the U. S. S. R. and the United States entered the conflict.

**HURRICANES** (2nd ed.)—Ivan Ray Tannehill—*Princeton Univ. Press*, 265 p., illus., \$3.75.

**INTERNATIONAL AIR TRANSPORT AND NATIONAL POLICY**—Oliver James Lissitzyn—*Council on Foreign Relations*, 478 p., \$5. Studies in American Foreign Relations, no. 3.

**INTRODUCTION TO NAVAL ARCHITECTURE**—John P. Comstock—*Simmons-Boardman*, 209 p., charts, \$4. A text suitable for high school graduates who have not had college mathematics.

**LEONARDO, MASTER OF THE RENAISSANCE**—Elizabeth Hubbard Lansing—*Crowell*, 237 p., illus., \$2.75. A book for young people, with nice illustrations. Emphasis is placed on Da Vinci's scientific experiments.

**LIVES AROUND US**—Alan Devoe—*Creative Age*, 221 p., illus., \$2. Written by an outstanding naturalist, and illustrated with woodcuts by Frank Utpatel, this book would make an ideal gift, or library addition.

**MAP READING AND AVIGATION**—Richard M. Field and Harlan T. Stetson—*Van Nostrand*, 129 p., illus., \$2.50. For beginning students in aviation. Beautifully illustrated in spite of security restrictions.

**A MATHEMATICS REFRESHER**—A. Hooper—*Holt*, 356 p., tables, charts, diagr., \$1.90. American edition.

**MEDICAL PARASITOLOGY**—James T. Culbertson—*Columbia Univ. Press*, 285 p., illus., \$4.25. Technical book for doctors and medical students, especially interesting now that so many American doctors will be serving with the Army in tropical regions where the parasites of malaria, sleeping sickness and the like are prevalent.

**MIND: PERCEPTION AND THOUGHT IN THEIR CONSTRUCTIVE ASPECTS**—Paul Schilder—*Columbia Univ. Press*, 432 p., \$5.

**NEAR HORIZONS**—Edwin Way Teale—*Dodd, Mead*, 319 p., illus., \$3.75. "The story of an insect garden." Well illustrated with action photographs and close-ups.

**QUESTIONS AND ANSWERS CONCERNING THE JEWS**—*Anti-Defamation League of B'nai B'rith*, 124 p., \$1.

**A REVISION OF THE NORTH AMERICAN SPECIES OF BUPRESTID BEETLES BELONGING TO THE TRIBE CHRYSOBOTHRINI**—W. S. Fisher—*Gov't Print. Office*, 275 p., illus., 30c.

**SARGENTIA . . . FIJIAN PLANT STUDIES**—A. C. Smith—*Arnold Arboretum of Harvard Univ.*, 148 p., \$2.50.

**SENSATION AND PERCEPTION IN THE HISTORY OF EXPERIMENTAL PSYCHOLOGY**—Edwin G. Boring—*Appleton-Century*, 644 p., illus., \$5.

**SHELLS AND SHOOTING**—Willy Ley—*Viking*, 223 p., \$2. The story of the history of guns and gunpowder beginning with the 14th century.

**THE SKELETO-MUSCULAR MECHANISMS OF THE HONEY BEE**—R. E. Snodgrass—*Smithsonian*, 120 p., diagr., 55c.

**THE SNOW AND ICE ALGAE OF ALASKA**—Erzsébet Kol—*Smithsonian*, 36 p., illus., 45c.

**THE STEAM LOCOMOTIVE**—Ralph P. Johnson—*Simmons-Boardman*, 502 p., illus., \$3.50.

**A TEXTBOOK OF GENERAL BOTANY** (4th ed.)—Gilbert M. Smith—*Macmillan*, 668 p., illus., \$4.