

# • First Glances at New Books

## Geography-Social Science

ATLAS OF THE HISTORICAL GEOGRAPHY OF THE UNITED STATES—Charles O. Paullin, edited by John K. Wright—*Carnegie Institution of Washington and the American Geographical Society of New York* 166 plates, 164 pages. \$15. Undoubtedly one of the classic reference books of recent years, this monumental compilation is at once a major contribution to geography, history, economics and all the other social sciences. For years in the making by the Carnegie Institution's department of historical research, its text and arrangement are out of the American Geographical Society's "laboratories" of geography. In its more than 400 pages each folio size, there are more than 620 maps, many in color, together with text and ample index. Its wide scope is indicated by the following divisions: The Natural Environment; Cartography; Indians; Explorations in the West and Southwest; Lands; Settlement, Population, and Towns; States, Territories, and Cities; Population; Colleges, Universities, and Churches; Boundaries; Political Parties and Opinion; Political, Social, and Educational Reforms; Industries and Transportation; Foreign Commerce; Distribution of Wealth; Plans of Cities; Military History; Possessions and Territorial Claims of the United States.

*Science News Letter, December 31, 1932*

## Chemistry

AN INTRODUCTORY COURSE IN PHYSICAL CHEMISTRY—Worth Huff Rodebush and Esther Kittredge Rodebush—*Van Nostrand*, 421 p., \$3.75. This textbook evolved and tested at the University of Illinois represents a year's course in physical chemistry. Happily, "In order to avoid dullness the authors have not hesitated to sacrifice rigor. In order to stimulate the interest of the student a considerable amount of speculative material has been introduced which will ultimately need revision."

*Science News Letter, December 31, 1932*

## Engineering-Education

ENGINEERING: A CAREER—A CULTURE—*Engineering Foundation*, 61 p. Free. With the active cooperation of groups in six national engineering societies, this pamphlet has been prepared as a message to young men, to parents and to teachers. The professional functions of the engineer are stated with the precision which accompanies intimate

knowledge of engineering in theory and practice. The major divisions of engineering are dealt with from this standpoint, the text being "descriptive of the profession of engineering — of its spheres of action, of the training and the qualities required for its successful pursuit; of the obligations which it imposes, and the rewards which it affords."

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## Engineering

THE EARLY YEARS OF MODERN CIVIL ENGINEERING—Richard S. Kirby and Philip G. Laurson—*Yale Univ. Press*, 324 p., \$4. This valuable contribution to the history of science and engineering, written by two professors in Yale University, will give practicing and student engineers a perspective which hitherto has been lacking in their education. It is to be hoped that the availability of historical information contained in this volume will inspire local and national historical engineering societies to mark properly the engineering landmarks which have had historical significance in the industrial development of the nation.

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## Medical Economics

UNIVERSITY STUDENT HEALTH SERVICES—Don M. Griswold and Hazel I. Spicer—*University of Chicago Press*, 110 p., 90c. One of the last publications of the Committee on the Costs of Medical Care before completion of its work. This study gives the organization, services rendered and costs of student health services in Cornell University, Yale University, University of Michigan, University of Minnesota, University of California and Oregon State Agricultural College.

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## Physics

ELECTRICITY AND MAGNETISM—Norman E. Gilbert—*Macmillan*, 548 p., \$4.50. A text by the professor of physics at Dartmouth College which is intended for college use in courses for the non-technical student that are more extended than general physics courses.

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## Otology

YOUR HEARING, HOW TO PRESERVE AND AID IT—Wendell Christopher Phillips and Hugh Grant Rowell—*Appleton*, 232 p., \$2. A valuable and important book written for the layman by two authorities. What the normal person can do for his hearing, the effects and desirability of swimming and diving, lip-reading, jobs for the deafened, education of the deaf and hard-of-hearing, marriage of the deaf and of the hard-of-hearing, hearing aids, and ear trouble are among the subjects discussed. The value of the book is by no means limited to those whose hearing is already a problem.

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## Radio

BROADCASTING ABROAD — *National Advisory Council on Radio in Education*, 84 p. A handbook of information on the status of broadcasting in other countries. Listeners' license fees, averaging some twenty-five cents per month per set, collected usually by postmen, are the chief support of radio in nearly every country in the world except the United States. Advertising by radio provides part of the revenue in France, Ireland, Poland, Spain, Rumania, Yugoslavia, Lithuania and Australia, while advertising is also permitted under certain conditions in Germany, Norway, Italy and Turkey.

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## Physics

HOW THINGS BEHAVE—J. W. N. Sullivan—*Black, London*, 95 p., 2s. 6d. In story form, Mr. Sullivan discusses for children, as an introduction to physics, the melting of lead, heat, sound, light and colors, electricity, the moon and the sun and other worlds, energy, rain, a little chemistry, and the rainbow.

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## Mathematics

A SHORT COURSE IN TRIGONOMETRY—James G. Hardy—*Macmillan*, 142 p., \$2.25. A text by the professor of mathematics in Williams College.

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