

# • First Glances at New Books

## Chemistry

ORTHOHYDROGEN, PARAHYDROGEN AND HEAVY HYDROGEN—Adalbert Farkas—*Cambridge Univ. Press*, \$3.50. This is the first book on the heavy hydrogen isotope and is thus a pioneer in a field where scores of other books will follow. To chemists and physicists it is sufficient to say that the book is one of the Cambridge Series on Physical Chemistry which stands for accuracy and completeness. But to biologists and others who have to know something about heavy hydrogen since heavy water has physiological effects it may be said that the volume is an essential reference book. Footnotes and a full bibliography enhance its value. Reference to 295 papers in the field are given.

*Science News Letter, April 27, 1935*

## Geography

THE GEOGRAPHIC PATTERN OF MANKIND—John E. Pomfret—*Appleton*, 428 p., \$4.00. The realization has been growing recently, in the minds of many scholars, that what men do is conditioned to a great extent by large environmental factors. Hence we see the field of economic and human geography invaded by others besides geographers and anthropologists. The present essay is by a historian.

*Science News Letter, April 27, 1935*

## Physiology

PACEMAKERS IN RELATION TO ASPECTS OF BEHAVIOR—Hudson Hoagland—*Macmillan*, 138 p., \$3. The author's thesis is built around substances which he calls "pacemakers": "The point of view which we wish to stress is that much of the overt behavior of organisms is determined by the interrelations of chemical events within cells and groups of cells, quite independently of external environmental factors. This effect is especially shown by rhythmic spontaneous cycles of activity of organs and of the organism as a whole."

*Science News Letter, April 27, 1935*

## City Planning

MODEL LAWS FOR PLANNING CITIES, COUNTIES, AND STATES, INCLUDING ZONING, SUBDIVISION REGULATION, AND PROTECTION OF OFFICIAL MAP.—Edward M. Bassett, Frank B. Williams, Alfred Bettman, and Robert Whitten.—*Harvard University Press*, 137 p., \$2.50. The unrestrained individualism that has

made such messes of many of our nineteenth-century settlements has by practically unanimous consent given way to a common will toward decent order. This new evolution in our social consciousness has now progressed so far that even plans may be planned, and models set up for models, as is done quite successfully in this book.

*Science News Letter, April 27, 1935*

## Mineralogy

GETTING ACQUAINTED WITH MINERALS—George Letchworth English—*Mineralogical Pub. Co.*, 324 p., \$2.50. Mr. English has performed a real service both to beginning students in mineralogy and geology and to the thousands of people of all ages who are pursuing the fascinating hobby of mineral collection and identification. His book is written in the simplest and clearest kind of language, assuming no previous knowledge of either geology or geometry, and the illustrations are well chosen with an eye to making the text descriptions and explanations even clearer.

*Science News Letter, April 27, 1935*

## Microbiology

THE SMALLEST LIVING THINGS—Gary N. Calkins—*University Society*, 135 p., \$1 cloth, 65c paper. A combination essay on bacteriology and protistology, styled for the general reader by a veteran leader in protozoological research. There are many well-chosen illustrations.

*Science News Letter, April 27, 1935*

## Engineering

TRANSACTIONS, IRON AND STEEL DIVISION, 1934 — *American Institute of Mining and Metallurgical Engineers*, 299 p., \$5.00.

*Science News Letter, April 27, 1935*

## General Science

SCIENCE STORIES, BOOK II—W. L. Beauchamp, Harriet M. Fogg, Gertrude Crampton and W. S. Gray—*Scott, Foresman*, 176 p., 68c. A good book for very young readers just getting acquainted with the world they live in. The illustrations (at least one to every page) are in lively color.

*Science News Letter, April 27, 1935*

## Esthetics

CONCERNING BEAUTY—Frank Jewett Mather—*Princeton Univ.*, 302 p., \$3. For over forty years, Princeton's emeritus professor of art and archaeology tells his readers, he has refrained from writing this "new and perhaps superfluous book on esthetics." Readers willing to think their way through a subject with a teacher who is scholarly in the finest meaning of the word will be glad that Prof. Mather has decided to put his ideas on the experience of beauty into this permanent form.

*Science News Letter, April 27, 1935*

## Gems

THE STORY OF DIAMONDS—A. C. Austin and Marion Mercer—*Chicago Jewelers' Association*, 96 p., 50c. paper, \$1 cloth. A brief account of the mining and handling of diamonds, with historical notes on some of the world's famous stones.

*Science News Letter, April 27, 1935*

## Chemistry

HENLEY'S TWENTIETH CENTURY BOOK OF FORMULAS, PROCESSES AND TRADE SECRETS—Gardner D. Hiscox, ed.—N. W. Henley, 809 p., \$4. For many years Henley's has been a standby of the household handy man, the artisan in his workshop, the technician in his laboratory. Each new edition adds some new tested processes or formulae so that the book has grown into a compendium of practical chemistry and physics as venerable as the books of the alchemists, and as up-to-date as ultraviolet irradiation.

*Science News Letter, April 27, 1935*

## Engineering-Biography

SCIENTIFIC PAPERS AND ADDRESSES OF THE HON. SIR CHARLES PARSONS—Hon. G. L. Parsons, ed.—*Cambridge Univ. Press*, 260 p., \$4.50. Twenty papers on the steam turbine and miscellaneous papers on artificial diamonds and other incidental researches are presented with biographical notes and complete bibliography. It is an important document in the history of engineering as well as a useful memorial to a great man.

*Science News Letter, April 27, 1935*

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