

# • First Glances at New Books

## Entomology

OF ANTS AND MEN—Caryl P. Haskins—*Prentice-Hall*, 244 p., illus., \$2.75. Ever since Solomon, scholars have been admonishing us to go to the ant to learn wisdom. This latest entry in that oft-worked field shows that the last word has by no means been said. Descriptions of the ants' ways of life are instructive, especially to the non-biological reader, and the social morals drawn from analogies between the formicine race and our own are always provocative even where one must register dissent.

*Science News Letter, June 24, 1939*

## Biology

PRINCIPLES OF DEVELOPMENT—Paul Weiss—*Holt*, 601 p., \$5. Students of embryology and experimental morphology will welcome this book, both for inclusiveness in topics and for the carefulness and detail of the treatment.

*Science News Letter, June 24, 1939*

## History

THE EARLY EMPIRES OF CENTRAL ASIA—William Montgomery McGovern—*Univ. of North Carolina Press*, 529 p., \$4. Scythians and Huns are all but missing links in the average appraisal of world history. Prof. McGovern adeptly fills the gap in this first book ever to tell the whole story of Central Asia from prehistory down to the sixth century A. D. It is readable history, as well as a scholarly production.

*Science News Letter, June 24, 1939*

## Natural History

ANNUAL REPORT OF THE DIRECTOR TO THE BOARD OF TRUSTEES FOR THE YEAR 1938—*Field Museum of Natural History*, 474 p., \$1. (Report Series, Vol. XI, No. 3)

*Science News Letter, June 24, 1939*

## Engineering

WATER POLLUTION IN THE UNITED STATES—National Resources Committee *Govt. Print. Off.*, 165 p., 25c. This bulletin, though not large, offers a comprehensive view of the pollution problem as it now exists in the United States, outlines remedial steps taken during the past half-dozen years, and points out necessary next steps.

*Science News Letter, June 24, 1939*

## Biology

PHYSIOLOGICAL GROUP DIFFERENTIATION IN LYMNÆA COLUMELLA—Joshua L. Baily—*Johns Hopkins Press*, 133 p., \$1. (The American Journal of Hygiene Monographic Series, No. 14, April, 1939). Under apparent morphological

identity there often lurk wide diversities in physiology, as has been demonstrated in various practical ways for such widely separated organisms as men and microbes. Dr. Baily has made a critical study of this phenomenon, using a widely distributed species of pond snail as "test animal" and applying modern quantitative and statistical methods.

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## Geography

ROMANCE OF THE NATIONAL PARKS—Harlean James—*Macmillan*, 240 p., \$3. A rapid conspectus of all the parks in the U. S. National Park System, with something of the story of the men who originated and developed that system, and above all hundreds of striking and beautiful photographs. It could not appear more opportunely than now, when the summer travel season is getting under way.

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## Library Science

UNION LIST OF SCIENTIFIC PERIODICALS IN THE CHEMICAL LIBRARIES OF THE CHEMISTRY SECTION, SCIENCE-TECHNOLOGY GROUP OF THE SPECIAL LIBRARIES ASSOCIATION, 1939, 2nd ed.—Betty Joy Cole, rev.—*Special Libraries Association*, 77 p., \$2.50. Approximately 1,000 scientific periodicals are listed, with the location of sets in 68 special libraries. Considering that the holdings of few of these libraries are listed in Wilson Company's "Union List of Serials", it is evident that this list opens up great possibilities to research workers in science and librarians who are unable to locate periodicals in the larger libraries of the neighborhood.

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## Astronomy

THE SPECTRUM OF NOVA AQUILAE (1918)—Arthur B. Wyse—*Univ. of Calif.*, 215 p., \$2.25. The technical history of a famous star that flashed to temporary brilliance.

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## Anthropology

PETROGLYPHS OF NORTH CENTRAL NEW MEXICO—E. B. Renaud—*Dept. of Anthropology, Univ. of Denver*, 72 p., 75 c. A vivid and comprehensive report of petroglyphs studied and copied at 20 sites. Prof. Renaud finds that in the Pueblo area these art works are more thickly grouped than in the Western Plains. The Southwest pictures are more religious in symbolism, apparently, than Plains art of this type.

*Science News Letter, June 24, 1939*

## History

AMERICA IN MIDPASSAGE—Charles A. Beard and Mary R. Beard—*Macmillan*, 977 p., \$3.50. Pertinent, important and interesting history of the immediate past of our nation by a great team of historians. The chapter on "Science in the Widening Outlook" puts science progress of the past decade in enlightening perspective.

*Science News Letter, June 24, 1939*

## Physics

EXPERIENCES IN PHYSICS—Lester R. Williard and Charles S. Winter—*Ginn*, 662 p., \$1.92. The authors attempt an entirely different approach to physics for high school students, presenting only the fundamental subject matter free from obscure considerations of theory and difficult and impractical problems.

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## Mathematics

ESSENTIALS OF ANALYTIC GEOMETRY—Raymond W. Brink—*Appleton-Century*, 233 p., \$2.25. Here are the essentials of this subject, which are required for courses in calculus and other more advanced mathematics.

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## Engineering

TOOL MAKING—C. B. Cole—*American Technical Society*, 413 p., \$3.50. A textbook for use in technical training schools for tool makers.

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## Physics

THE FUNDAMENTALS OF ELECTRO-MAGNETISM—E. Geoffrey Cullwick—*Cambridge (Macmillan)*, 352 p., \$4.50. A new textbook of British origin suitable for advanced undergraduate students. It is particularly designed for future electrical engineers.

*Science News Letter, June 24, 1939*

## General Science

EXPLORING THE WORLD OF SCIENCE—Charles H. Lake, Henry P. Harley and Louis E. Welton—*Silver Burdett Co.*, 710 p., \$1.80. A high school textbook covering the fields of meteorology, sound, weather, the universe, oil, building materials and the forces of matter and also topics of equal interest in other fields.

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## Mathematics

MATHEMATICAL ADVENTURES—Fletcher Durell—*Bruce Humphries*, 157 p., \$2. This little book is a collection of articles on the teaching of mathematics which the author has written for educational journals during the past 10 years.

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