

# °First Glances at New Books

Additional Reviews  
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## Radio

**ELECTRONIC TELEVISION**—George H. Eckhardt—*Goodheart-Willcox*, 162 p., \$2.50. In the last few years television has completely changed its fundamentals and is closer to realization. It has become electronic instead of mechanical. The two principal methods, being developed by Radio Corporation of America and Philo T. Farnsworth, Inc., are fully described. Mr. Eckhardt gives information that will be useful to laymen, amateur enthusiasts, and engineers. As by-products of television there have been developed secondary electron multiplication and multiplier tubes. These tubes treated in this book may have wide use beyond television and promise to be superior to the hot tubes now in use.

*Science News Letter, November 14, 1936*

## Medical Science

**LANE MEDICAL LECTURES: STUDIES IN CARDIOVASCULAR REGULATION**—G. V. Anrep—*Stanford Univ. Press*, 118 p., paper, \$1.50, cloth, \$2.25. Physicians and medical scientists will be interested in these lectures by the professor of physiology in the Medical Faculty of the Egyptian University. They are, however, too technical for lay reading.

*Science News Letter, November 14, 1936*

## Chemistry

**MASTERY UNITS IN CHEMISTRY**—Garnett F. Roberts and Howard C. Smith, ed. by Michael N. Idelson—*Colonial Book Co.*, 270, 28 p., paper 67c, class price 50c; cloth, \$1, class price 75c. A compact study text in high-school chemistry.

*Science News Letter, November 14, 1936*

## Hygiene

**CHANGE OF LIFE IN MEN AND WOMEN**—Marie C. Stopes—*Putnam*, 239 p., \$2. Physicians will probably feel that Dr. Stopes should have presented her new ideas to the medical world before publishing them in a book for the layman and woman. There is much general advice that may help the lay reader, although the book seems to suffer somewhat from repetitiousness.

*Science News Letter, November 14, 1936*

## Philosophy—Political Economy

**SCIENCE AND SOCIETY, A Marxian Quarterly**—Fall, 1936. Vol. 1, No. 1. *Cambridge, Mass.*, 35c per copy, \$1. annually. A new journal dedicated to "the growth of Marxian scholarship" and illustrating "the manner in which Marxism integrates the various scientific dis-

ciplines and illuminates the interdependence of science and society." The four leading articles of this first issue deal with education, linguistics, logical positivism, and mathematics.

*Science News Letter, November 14, 1936*

## Pedology

**SOIL SCIENCE, ITS PRINCIPLES AND PRACTICE**—Wilbert Walter Weir—*Lippincott*, 615 p., \$3.50. A few years ago it was virtually impossible to obtain a text in soil science suitable for any but students already of advanced professional rank. Now, fortunately, the situation is changing for the better. The present work comes well timed, to meet a rising interest in the soil and its conservation. Worth noting is the fact that the author, who is in the U. S. Department of Agriculture, is an ecologist as well as a pedologist.

*Science News Letter, November 14, 1936*

## Natural History

**HAND BOOK FOR THE CURIOUS**—Paul Griswold Howes—*Putnam*, 364 p., illus., \$3.75. A natural history book on invertebrates and the lower vertebrates. Each page of text is faced by a full page of illustrations, mostly halftones.

*Science News Letter, November 14, 1936*

## Philosophy

**THE STRUCTURE OF RELIGIOUS EXPERIENCE**—John Macmurray—*Yale Univ. Press*, 77 p., \$1.50. An effort to obtain an objective, empirical insight into the mind of the religious person. The author is Grote Professor of Philosophy of Mind and Logic in the University of London.

*Science News Letter, November 14, 1936*

## Medicine

**EPIDEMIC CEREBROSPINAL FEVER AMONG TRANSPACIFIC STEERAGE PASSENGERS**—Iwao M. Moriyama—*Univ. of Calif. Press*, 53 p., 50c. This report, of interest chiefly to health officers and shipping companies, traces the probable source of the 1931-32 epidemic and gives numerous recommendations for handling steerage passengers so as to avoid epidemics of any sort.

*Science News Letter, November 14, 1936*

## Fiction

**FROM COAST TO COAST WITH THE U. S. AIR MAIL**—Lewis E. Theiss—*W. A. Wilde Co.*, 310 p., \$2. A story of a pilot's adventures.

*Science News Letter, November 14, 1936*

## Biology

**EVOLUTION AND HEREDITY, THEORIES AND PROBLEMS**—Charles Edward Walker—*A. & C. Black, Ltd., London*, 222 p., 6s. A vigorous, up-to-date discussion, suitable for use as a textbook in college courses, or for the general reader who wishes to bring his knowledge of the subject into line with recent research and theoretical developments.

*Science News Letter, November 14, 1936*

## Therapeutics

**MATERIA MEDICA AND THERAPEUTICS (6th ed.)**—Linette A. Parker—*Lea & Febiger*, 377 p., \$2.50. This edition of a text for students of nursing has been revised to conform to the eleventh revision of the U. S. Pharmacopoeia, published this year. The text is extremely practical and includes chapters on mental therapy and physiotherapy.

*Science News Letter, November 14, 1936*

## Anthropology—Botany

**FOOD PLANTS OF THE NORTH AMERICAN INDIANS**—Elias Yanovsky—*Govt. Print. Off.*, 83 p., 10c. A list, with brief information on each item, of 1,112 species of plants used as food by Indians. The list is preliminary material compiled for a study of the chemical constituents and food value of native North American plants.

*Science News Letter, November 14, 1936*

## Textiles

**TEXTILE FIBERS AND THEIR USE**—Katharine Paddock Hess—*Lippincott*, 374 p., illus., \$2.40. Although intended for school use, this book will well repay reading by everyone who uses or is interested in textile fabrics—and that includes all persons except savages in the equatorial regions, and nudists. Particular attention is paid to rayon and the other new synthetic fibers.

*Science News Letter, November 14, 1936*

## Television—Radio

**TELEVISION**; Vol. 1, July, 1936—*RCA Institutes Technical Press*, 452 p., Free to subscribers to RCA Review.

**RCA REVIEW**; Vol. 1, no. 1, July, 1936—*RCA Institutes Technical Press*, Quarterly, \$1.50 per year, 50c per copy. The collected addresses and papers on television provide a convenient and illuminating record of progress in this field by RCA, while the inaugural issue of this new quarterly performs a similar service over a wider field.

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## General Science

SCIENTIFIC PROGRESS — Sir James Jeans, Sir William Bragg, E. V. Appleton, E. Mellanby, J. B. S. Haldane, and Julian Huxley—*Macmillan*, 210 p., \$2. Six lectures covering the universe, physical science, atmospheric electricity, medical science, human genetics, and social needs, written by six eminent British men of science with their usual clarity and interest.

*Science News Letter, November 14, 1936*

## Chemistry

CATALYTIC REACTIONS AT HIGH PRESSURES AND TEMPERATURES—Vladimir N. Ipatieff—*Macmillan*, 786 p., \$7.50. One of the world's outstanding chemists in the field of catalytic reactions summarizes and collects his researches of the past 35 years into what is called a chemical autobiography.

*Science News Letter, November 14, 1936*

## Agriculture

IDENTIFICATION, HISTORY, AND DISTRIBUTION OF COMMON SORGHUM VARIETIES—H. N. Vinall, J. C. Stephens, J. H. Martin—*Govt. Print. Off.*, 102 p., 25c. Sorghums are being increasingly planted, both as binder crops in strip and terrace cultivation and as drought-resistant fodder crops. This bulletin is therefore especially timely.

*Science News Letter, November 14, 1936*

## Horticulture

PIONEERING WITH FRUITS AND BERRIES—George D. Aiken—*Stephen Daye Press*, 94 p., \$2. A practical Vermont nurseryman tells what to plant and how to take care of it, to achieve success where climate is hard, and planting sites must be judiciously chosen. This book should be valuable in regions ecologically comparable with New England.

*Science News Letter, November 14, 1936*

## Economics

ELECTRICITY: FOR USE OR FOR PROFIT?—Bernhard Ostrolenk—*Harper*, 211 p., \$2. A plea for further development of such public policies as will help to secure the more widespread use of cheap power than our country has thus far enjoyed.

*Science News Letter, November 14, 1936*

## Ecology

THE COMPOSITION AND DYNAMICS OF A BEECH-MAPLE CLIMAX COMMUNITY—Arthur B. Williams—*Cleveland Museum of Natural History*, 92 p., 50c.

A monograph covering both the plant and animal ecology of a formation that once dominated most of the north-eastern United States. Of especial interest are some of the diagrammatic methods adopted by the author to give at a glance the essential character of the biosociological aspects of the area studied.

*Science News Letter, November 14, 1936*

## Economic Geography

PROBLEM STUDIES IN ECONOMIC GEOGRAPHY (rev. ed.)—Lenox E. Chase—*Prentice-Hall*, 135 p., illus., maps, 96c. A study guide for use with any standard text, covering the ten most important products of the United States and the foreign trade problems of this country. The guide presents important facts, outlines study assignments, questions to be answered. Suggested readings are listed.

*Science News Letter, November 14, 1936*

## Regional Planning

AMERICAN PLANNING AND CIVIC ANNUAL—Harlean James, Ed.—*American Planning and Civic Assn.*, 540 p., \$3. to public, \$2. to members of the Assn. A comprehensive record of proceedings and papers before various conferences on planning, national parks, state parks, etc.

*Science News Letter, November 14, 1936*

## General Science

SCIENCE, A STORY OF PROGRESS AND DISCOVERY—Ira C. Davis and Richard W. Sharpe—*Holt*, 491 p., \$1.72. Features that especially recommend this general science text are the diagrammatic clearness of its illustrations and the rapid but essentially correct historical summaries bringing the stories of various sciences "down to now."

*Science News Letter, November 14, 1936*

## Entomology

MORPHOLOGY OF THE INSECT ABDOMEN, Part III. The Male Genitalia—R. E. Snodgrass—*Smithsonian Institution*, 96 p., 40c. Continuation of Dr. Snodgrass's series of scholarly monographs on insect anatomy.

*Science News Letter, November 14, 1936*

## Evolution

FLOW OF HORIZONS—D. Owen Stephens—*John Day*, 190 p., \$2.50. This is a book on evolution quite unlike any other that has ever appeared. While it is deliberately a literary rather than a popular-science discussion, it avoids the novel form which such presentations have hitherto essayed. It is something much more modernistic than that: it is a series of very short pictures of emotional states of all kinds of organisms from the scarcely-living slime of the archaeozoic to artist and scientist of medieval times and today. The ejaculatory style occasionally gives a sense of breathlessness, but is none the less very effective.

*Science News Letter, November 14, 1936*

## Philosophy

A WORLD OF CHANCE—Edward Gleason Spaulding—*Macmillan*, 293 p., \$3. The McCosh professor of philosophy at Princeton presents a thorough-going indeterministic position as regards the structure of reality. By indeterminism, he means the absence of necessity, and positively the presence of chance or contingency.

*Science News Letter, November 14, 1936*

## Photography

NEW WAYS IN PHOTOGRAPHY; IDEAS FOR THE AMATEUR—Jacob Deschin—*Whittlesey House*, 307 p., illus., \$2.75. Photography is still one of the most interesting of hobbies. Here is an unusual sort of first aid to the amateur, a readable handbook full of ideas and suggestions for unusual photographs—flashes, worm's-eye views, transparencies, photowallpaper, etc.

*Science News Letter, November 14, 1936*

## Economic Geology

ECONOMIC GEOLOGY OF MINERAL DEPOSITS—Ernest R. Lilley—*Holt*, 811 p., \$5. After a fairly extended discussion of the origin of mineral deposits and a chapter on technical considerations, the principal mineral resources are taken up *seriatim*, for both geographic and economic discussion. A book primarily for professionals, but not too difficult for the serious general reader.

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