

# • First Glances at New Books

Additional Reviews  
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## Social Sciences—Periodicals

THE PUBLIC OPINION QUARTERLY, vol. 1, no. 1, Jan., 1937—*School of Public Affairs, Princeton University*, \$1 single copy, \$4 yearly. Since this new journal is aimed primarily at problems in the social sciences, it is inevitable that its field should overlap into that of the physical sciences at many points. Psychologists working toward a real science of group or mass psychology will find this publication particularly interesting.

*Science News Letter, February 13, 1937*

## Mathematics

THERE IS FUN IN GEOMETRY—Louis Kasper—*Fortuny's*, 135 p., \$1.75. Three motives combine to bring value to this book. Mechanics are shown how to solve some of the problems which they encounter in their trade; students are provided with interesting and practical examples to liven an all too often "dead" course; and finally those people who enjoy mathematical puzzles will here find a new treasure storehouse.

*Science News Letter, February 13, 1937*

## Safety Engineering

MAN AND THE MOTOR CAR—Ed. by Albert W. Whitney—*National Bureau of Casualty and Surety Underwriters*, 256 p., \$1. With the knowledge that the surest way to reduce the annual traffic death toll in the nation is to improve the quality of the drivers, an official of the Public Safety Council has arranged this book which tells all the tricks and twists of safe driving.

*Science News Letter, February 13, 1937*

## Physics

OLD WIRES AND NEW WAVES; THE HISTORY OF THE TELEGRAPH, TELEPHONE, AND WIRELESS—Alvin F. Harlow—*Appleton-Century*, 548 p., illus., \$5. Few people who pick up the telephone, send a telegram or turn on the radio set realize the exciting, fascinating history of these three great inventions. From a great amount of original research, and with cooperation which opened material usually carefully hidden, the author has contributed an extremely worthy book to the field.

*Science News Letter, February 13, 1937*

## Radio

OFFICIAL RADIO SERVICE HANDBOOK—J. T. Bernsley—*Gernsback*, 1008 p., \$4. A good book on radio repairing for service men who wish to catch up on the

new developments and the background of theory and practice in order to speed up their operations. The word official in the title of the book is only that—a title—for the volume is an independent effort not sponsored by any recognized radio organization.

*Science News Letter, February 13, 1937*

## Technology

ELEMENTARY PRINCIPLES OF DIESEL-ENGINE CONSTRUCTION—Thomas G. Brown and F. W. Ziegenhagen—*Bruce*, 125 p., illus., \$1.80. An elementary text for use by high school students.

*Science News Letter, February 13, 1937*

## Physics

DESCRIPTIVE PHYSICS—Sherman R. Wilson—*Holt*, 231 p., illus., \$1.20. A high school survey text in physics which attempts to take away some of physics' reputation of being a difficult course. A book which, rather than attempting to provide all the knowledge which one might like for a college course, strives, with considerable success, to tell the story of the applications of physics in a way which holds the student's interest.

*Science News Letter, February 13, 1937*

## Physics

CATHODE RAY OSCILLOGRAPHY; Vol. II—J. T. MacGregor-Morris and J. A. Henley—*Instruments Pub. Co.*, 249 p., \$6. A British book on the applied uses in electrical engineering of the cathode ray oscillograph which until very recently was regarded mainly as a research tool of university experimenters.

*Science News Letter, February 13, 1937*

## Engineering

THE STORY OF BRIDGES—Archibald Black—*Whittlesey House*, 226 p., plates, \$2.50. The fascinating illustrated story of bridges, from the first fallen tree across a small stream to the modern giants, is simply told in a really worthwhile book for the layman.

*Science News Letter, February 13, 1937*

## Physics

LA THÉORIE DE L'ION AMPHOTÈRE—P. Rumpf—*Hermann & Cie, Paris*, 51 p., 12fr.

*Science News Letter, February 13, 1937*

## Physics

L'EFFET ZEEMAN DANS LES SPECTRES DE BANDES—René Fortrat—*Hermann & Cie, Paris*, 40 p., illus., 12fr.

*Science News Letter, February 13, 1937*

## Archaeology

NEW LIGHT ON HEBREW ORIGINS—J. Garrow Duncan—*Macmillan*, 282 p., \$2. Very readable and up to date is this small volume which interprets early Old Testament chapters in the light of archaeological discovery. Such Biblical puzzles as the reference to iron being used by the early people in Genesis are straightened out by evidence from the earth. Dr. Duncan takes up a great number of such points, and his book shows how Egypt, Babylonia, and Canaan made contributions to the Hebrew culture.

*Science News Letter, February 13, 1937*

## Anthropology

ART AND LIFE IN NEW GUINEA—Raymond Firth—*Studio Publications*, 126 p., plates, \$3.50. Beautiful illustrations are the feature of this artistic book. The author makes it plain that his book "has been composed primarily for the intelligent layman interested in art, and not for the anthropological specialist." His pictures, and explanations of the art and the people who make it, should fulfill their mission of teaching appreciation of a primitive art.

*Science News Letter, February 13, 1937*

## Anthropology

CONTRIBUTIONS TO THE ETHNOLOGY OF THE KUTCHIN—Cornelius Osgood—*Yale Univ. Press*, 189 p., 10 plates, \$2.50. A study of Athapaskan-speaking Indians in the Yukon and Mackenzie region. The material is presented to build a picture of aboriginal Kutchin customs just before European influence and to show changes that have since developed.

*Science News Letter, February 13, 1937*

**PSYCHOLOGY OF SEX**  
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## Medicine

INTO THIS UNIVERSE, THE STORY OF HUMAN BIRTH—Alan Frank Guttmacher—*Viking*, 366 p., \$2.75. Dr. Guttmacher seems to know all the questions a layman can ask about the process of childbirth and he has a happy faculty of giving the answers in most readable, entertaining style. In this book, historic as well as modern methods of childbirth are described in simple, non-technical language.

*Science News Letter, February 13, 1937*

## Physiology—Health

KEEPING YOUR CHILD NORMAL—Bernard Sachs—*Hoebner*, 148 p., \$1.50. Published ten years ago under the title, *The Normal Child*, this book appears in new form and with some new material. There are still, fortunately, plenty of normal children and their parents will be glad to have this sane and sound volume which proved itself useful to an earlier generation of parents.

*Science News Letter, February 13, 1937*

## Public Health

RURAL HEALTH PRACTICE—Harry S. Mustard—*Commonwealth Fund*, 603 p., \$4. Dr. Mustard knows from long experience what the health officer and his assistants in rural communities and small cities need to know. In this book he manages to give information and advice that is both comprehensive and specific. The book has the added advantage of being very readable, and it should prove useful. Not intended, of course, for lay reading.

*Science News Letter, February 13, 1937*

## Pharmacy

THE PHARMACEUTICAL RECIPE BOOK (2nd ed.)—*American Pharmaceutical Assn.*, 529 p., \$5 buckram, \$6 flexible leather. This volume provides practising pharmacists with a useful supplement to the National Formulary and U. S. Pharmacopoeia.

*Science News Letter, February 13, 1937*

## Chemistry

THE FREEZING PRESERVATION OF FRUITS, FRUIT JUICES, AND VEGETABLES—Donald K. Tressler and Clifford F. Evers—*Avi*, 369 p., illus., \$5. Although the freezing method has been used in the vegetable and fruit industries for a number of years, a comprehensive handbook, usable alike by those already engaged in the industry and as a text for the instruction of

students preparing for it, has heretofore been lacking. This need is now well supplied. One very useful feature of this book is the full list of literature references appended to each chapter.

*Science News Letter, February 13, 1937*

## Chemistry

THE DRAMA OF CHEMISTRY; HOW MAN DEALS WITH ATOMS—Sidney J. French—*University Society*, 170 p., illus., \$1. Prof. French chooses the atom as the leading actor in his drama of chemistry and the brief, popularly written story is a fascinating one. Pictures of all the major leaders in chemistry, past and present, add interest; and a sizable glossary of terms at the end solves the problem of maintaining continuity in the text without divergent writing to explain some of the more complex terms.

*Science News Letter, February 13, 1937*

## Medicine

THE DEVELOPMENT OF MODERN MEDICINE, AN INTERPRETATION OF THE SOCIAL AND SCIENTIFIC FACTORS INVOLVED—Richard Harrison Shryock—*Univ. of Pennsylvania*, 442 p., illus., \$4. Here is medical history written by a historian instead of a physician. The result is a book which does not dramatize the conquest of disease but instead shows the relation between the development of medicine and the development of public health and our modern social order.

*Science News Letter, February 13, 1937*

## Physiology

THE PHYSIOLOGY AND PHARMACOLOGY OF THE PITUITARY BODY—H. B. Van Dyke—*Univ. of Chicago*, 577 p., illus., \$4.50. Scientists will welcome this monograph which brings into one volume a critical summary of the tremendous amount of research done on the pituitary gland during the past fifteen years. It is too technical for lay reading.

*Science News Letter, February 13, 1937*

## Geology

STRUCTURAL EVOLUTION OF SOUTHERN CALIFORNIA—R. D. Reed and J. S. Hollister—*Amer. Assn. Petroleum Geologists*, 157 p., folded map, \$2. Structural-historical geology of one of the more important oil-field regions of the United States, done primarily from the oil man's point of view, yet with so broad a viewpoint that it cannot fail to be of interest to geologists in general.

*Science News Letter, February 13, 1937*

## Physics

AN INTRODUCTION TO NUCLEAR PHYSICS—N. Feather—*Cambridge (Macmillan)*, 213 p., \$3. One of Cambridge University's best known experimentalists on the bombardment of the atomic nucleus here summarizes the intensive attempt by scientists throughout the world to wrest the secrets that are bound up within the hearts of atoms. Dr. Feather chooses his material from all sources and is generous with credit to American investigators.

*Science News Letter, February 13, 1937*

## Engineering

THERMODYNAMICS, A PRACTICAL TEXT COVERING THE FUNDAMENTALS OF THERMODYNAMICS THAT ARE BASIC TO THE ENGINEERING FIELD—Stanton E. Winston—*American Technical Society*, 178 p., illus., \$1.50. A compact text for engineers with problems which have real significance in the applied field.

*Science News Letter, February 13, 1937*

## General Science

A PHILOSOPHY OF SCIENCE—Philip Eichler—*Putnam's*, 111 p., \$1.50. A New York physician develops the subject with treatment of the physical, biologic and psychologic aspects, laying emphasis upon his idea that psychological knowledge is necessary to understand motion.

*Science News Letter, February 13, 1937*

## General Science

REPORT OF THE SECRETARY OF THE SMITHSONIAN INSTITUTION AND FINANCIAL REPORT OF THE EXECUTIVE COMMITTEE OF THE BOARD OF REGENTS FOR THE YEAR ENDED JUNE 30, 1936—Smithsonian Institution—*Govt. Print. Off.*, 107 p. Free upon direct application to Smithsonian Institution, Washington, D. C.

*Science News Letter, February 13, 1937*

## Education

RETROSPECT AND FORECAST IN RADIO EDUCATION—Levering Tyson and William J. Donovan—*Univ. of Chicago*, 28 p., 25c.

*Science News Letter, February 13, 1937*

## Archaeology

ARCHAEOLOGICAL SURVEY OF THE GUANO VALLEY REGION IN SOUTHEASTERN OREGON—L. S. Cressman—*University of Oregon*, 48 p., 50c.

*Science News Letter, February 13, 1937*