

# • First Glances at New Books

Additional Reviews  
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## CHILD STUDY

THE FIRST FIVE YEARS OF LIFE, A Guide to the Study of the Preschool Child—Arnold Gesell and others—*Harper & Brothers*, 393 p., illus., \$3.50. Psychologists, physicians, teachers and parents will all welcome this interesting, appealingly illustrated book which the author says is “a psychological outline of normal development from birth to the sixth year, including a system of developmental diagnosis.” Study of the book should certainly give a much greater understanding of the preschool child.

*Science News Letter, August 17, 1940*

## EDUCATION

EDUCATION OF THE HANDICAPPED, Vol. II, Problems—Merle E. Frampton and Hugh Grant Rowell, eds.—*World Book Co.*, 440 p., \$2.80. Like its predecessor, this should be a useful book to those who have to do with the care of the handicapped and should result in more and better help for the handicapped themselves.

*Science News Letter, August 17, 1940*

## MEDICINE

THE UNSEEN PLAGUE, CHRONIC DISEASE—Ernst P. Boas—*Augustin*, 121 p., \$2. The author reviews the extent of this problem and its malign effect on all phases of living as a basis for “planning and action by government, community and physician.”

*Science News Letter, August 17, 1940*

## MEDICINE

PNEUMOCONIOSIS (SILICOSIS), The Story of Dusty Lungs—Lewis Gregory Cole and William Gregory Cole—*John B. Pierce Foundation, 40 West 40th Street, New York, N. Y.*, 321 p., \$1. Orders must be handled direct. In spite of the popular subtitle, this is not a book for the lay reader but is addressed to medical scientists, especially those interested in this field.

*Science News Letter, August 17, 1940*

## MEDICAL HISTORY

FAITHS THAT HEALED—Ralph H. Major—*Appleton-Century*, 290 p., illus., \$3. Faith healing at Lourdes, the case of Therese Neumann, magnetism, the healing touch and witchcraft at Salem are among the topics covered in this book. The author is a physician with the art of writing entertainingly. In this book he gives the facts about faith healing and miracles so far as known, the scien-

tific explanation when there is one, and points out, in the cases that cannot be explained at present, that “just as scientific study has explained many mysteries of the past, so we may expect an explanation in the future of what seems a mystery today.”

*Science News Letter, August 17, 1940*

## DRAMA—MEDICINE

THE FLOWERING OF AN IDEA, A Play Presenting the Origin and Early Development of the Johns Hopkins Hospital—Alan M. Chesney—*Johns Hopkins Press*, 85 p., \$1.50. Written for the celebration of the fiftieth anniversary of the opening of the Johns Hopkins Hospital, the book should interest many besides those connected with this institution because of the influence this hospital, and the principles on which it was founded, has exerted on hospitals and medical teaching throughout the world.

*Science News Letter, August 17, 1940*

## DENTISTRY

THE EFFICIENT DENTAL ASSISTANT—Ethel Covington—*Mosby*, 265 p., \$2.50. This is really a textbook for a new and developing vocation for women—dental assisting, the author calls it. The book is interesting, sympathetic and practical.

*Science News Letter, August 17, 1940*

## SPORTS

AN ANATOMICAL ANALYSIS OF SPORTS—Gertrude Hawley—*Barnes*, 191 p., illus., \$3. Written to fill a gap the author believes exists between the anatomy and physiology taught physical education students and the sports techniques they study, this book both describes and analyzes the various movements in various sports.

*Science News Letter, August 17, 1940*

## MEDICINE

QUARTERLY JOURNAL OF STUDIES ON ALCOHOL, Volume I, No. 1, June, 1940—*Journal of Studies on Alcohol, Inc., Four Hillhouse Avenue, New Haven, Conn.*, \$3 per year.

*Science News Letter, August 17, 1940*

## MEDICINE

THE MALARIAL THERAPY OF GENERAL PARALYSIS AND OTHER CONDITIONS—William H. Kupper—*Edwards Brothers*, 155 lithoprinted p., \$2.25.

*Science News Letter, August 17, 1940*

## AERONAUTICS

SECOND ANNUAL ROTATING WING AIRCRAFT MEETING, Sponsored by Philadelphia Chapter, Institute of Aeronautical Sciences, held at the Franklin Institute, Philadelphia, Pa., Nov. 30 and Dec. 1, 1939—*Institute of the Aeronautical Sciences, Philadelphia*, 206 mimeographed p., illus., \$2.50. For more than a year, an autogiro has been flying mail regularly from the roof of the Philadelphia post office to the Camden airport; while recently Igor Sikorsky flew the first successful American helicopter. These things, many of which are indicated in the papers contained in this report, forecast an important future for rotating wing aircraft.

*Science News Letter, August 17, 1940*

## GEOLOGY

GEOLOGY OF THE PRESIDENTIAL RANGE—Richard P. Goldthwait—*Secretary, New Hampshire Academy of Science, Hanover, N. H.*, 43 p., 40c. (Bulletin No. 1). This treatise on the most outstanding of New Hampshire's geological and topographic features is well chosen to be the subject of the first in a new series of publications by the New Hampshire Academy of Sciences.

*Science News Letter, August 17, 1940*

## ENGINEERING

HIGHWAY RESEARCH, 1920-1940—A. R. Rankin, ed.—*Highway Research Board, Div. of Engineering and Industrial Research, National Research Coun., and Comm. on Research Activities, Amer. Assn. of State Highway Officials*, 133 p., \$1. A directory of projects recently completed or now in progress.

*Science News Letter, August 17, 1940*

## BIOLOGY

LABORATORY MANUAL OF GENERAL BIOLOGY (4th ed.)—John G. Arnold and Timothy L. Duggan—*Mosby*, 275 p., \$1.50.

*Science News Letter, August 17, 1940*

## BIOLOGY

HANDBOOK OF MICROSCOPIC CHARACTERISTICS OF TISSUES AND ORGANS—Karl A. Stiles—*Blakiston*, 148 p., \$1.50.

*Science News Letter, August 17, 1940*

## MEDICINE

TEXTBOOK OF PYRETOTHERAPY—Willa Phillips—*Edwards Brothers*, 84 lithoprinted p., \$2.

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## ASTRONOMY—PHYSICS

**THE BIRTH AND DEATH OF THE SUN**—George Gamow—*Viking Press*, 238 p., illus., \$3. Recent years seem at last to have brought a satisfactory theory of the source of stellar energy, based on the conversion of hydrogen to helium. The development of this theory, and its bearing on other astronomical problems, such as stellar evolution and the expanding universe, is clearly and popularly presented by a distinguished physicist who has himself made important contributions in these fields.

*Science News Letter, August 17, 1940*

## MATHEMATICS

**MATHEMATICS AND THE IMAGINATION**—Edward Kasner and James Newman—*Simon and Schuster*, 380 p., diagrams, \$2.75. There is much in mathematics that is interesting and entertaining, but to the layman it generally is hidden by the technicalities. In this book a distinguished mathematician and his former student succeed in communicating this to the general reader. Anyone who enjoys puzzles and paradoxes will find it especially delightful.

*Science News Letter, August 17, 1940*

## MATHEMATICS—PSYCHOLOGY

**MATHEMATICO-DEDUCTIVE THEORY OF ROTE LEARNING**, A Study in Scientific Methodology—Clark L. Hull and others—*Yale Univ. Press*, 329 p., \$3.50. A technical book but one of great importance.

*Science News Letter, August 17, 1940*

## MATHEMATICS

**STATISTICAL MECHANICS**—Joseph Edward Mayer and Maria Goeppert Mayer—*Wiley*, 495 p., \$5.50. In problems such as those concerning motions of molecules in a gas, the individual elements are far too numerous to be considered separately but, with so many of them, statistical methods give an accurate picture of their behavior. This book is an introduction to these methods, intended, as the authors state, for "scientists whose familiarity with theoretical physics is limited."

*Science News Letter, August 17, 1940*

## PALEONTOLOGY

**PHYLOGENY OF NORTH AMERICAN EQUIDAE**—R. A. Stirton—*Univ. of Calif. Press*, 32 p., illus., 50c. Of interest primarily to paleontologists and zoologists, this brief but comprehensive account of the rise of the horse family will be welcomed

for its assembling into one place all the essential facts and literature references on this important zoological group.

*Science News Letter, August 17, 1940*

## SOCIOLOGY

**YOUTH IN EUROPEAN LABOR CAMPS**—Kenneth Holland—*Amer. Coun. on Education*, 303 p., \$2.50. This report to the American Youth Commission was prepared so that the experience of European countries might be made available in connection with work camps for American youth such as those of the CCC and National Youth Administration. It is even more pertinent now that new plans for universal training of youth are being considered. The illustrations are notable.

*Science News Letter, August 17, 1940*

## SOCIOLOGY—ECONOMICS

**FAMILY AND COMMUNITY IN IRELAND**—Conrad M. Arensberg and Solon T. Kimball—*Harvard Univ. Press*, 322 p., illus., \$3.50. Here is a report of a field study by social anthropologists of Ireland in the days before Eire. The family is all-important there. Present events in that part of the world lend peculiar interest to this study of the Irish people in their relations to one another.

*Science News Letter, August 17, 1940*

## NATURAL HISTORY

**WHERE IS THE — COLLECTION?** — Charles Davies Sherborn, comp.—*Cambridge (Macmillan)*, 147 p., 90c. An annotated checklist of collections of natural history objects all over the world, but principally in Britain, western Europe and North America. The author disclaims any attempt at exhaustiveness; but even so, the publication will be highly useful to museum men and other workers in the natural sciences. The listing is under name of collector.

*Science News Letter, August 17, 1940*

## ZOOLOGY

**TERRITORIAL BEHAVIOR AND POPULATIONS OF SOME SMALL MAMMALS IN SOUTHERN MICHIGAN**—William Henry Burt—*Univ of Mich. Press*, 58 p., illus., 50c.

*Science News Letter, August 17, 1940*

## ZOOLOGY

**THE RABBITS OF CALIFORNIA**—Robert T. Orr—*Calif. Academy of Sciences*, 207 p., 10 pl., illus., \$3.50.

*Science News Letter, August 17, 1940*

## PSYCHIATRY

**MEN AGAINST MADNESS**—Lowell S. Selling—*Greenberg*, 342 p., illus., \$3.50. The director of the Psychopathic Clinic of Detroit's Recorder's Court tells in readable fashion the thrilling tale of man's great battle against mental disease from the days when "maniacs" were chained like wild beasts, down to the present time, when an attempt is being made to prevent such illness by mental hygiene.

*Science News Letter, August 17, 1940*

## PSYCHIATRY

**SOCIAL AND BIOLOGICAL ASPECTS OF MENTAL DISEASE**—Benjamin Malzberg—*State Hospitals Press*, 360 p., \$2.50. "If present trends continue," says the author, "mental disease will soon become our foremost health problem." The population of mental hospitals he finds to be increasing, incurring ever greater financial burdens upon the state.

*Science News Letter, August 17, 1940*

## PSYCHOLOGY

**SOCIAL PSYCHOLOGY**—Charles Bird—*Appleton-Century*, 564 p., \$3.50. This textbook from the University of Minnesota is based on experimental findings and contains much material ordinarily found only in the journals. It will interest those concerned with pressing modern problems such as war and propaganda, behavior of crowds, leadership, old age and employment, crime and delinquency.

*Science News Letter, August 17, 1940*

## PSYCHOLOGY

**COMPARATIVE PSYCHOLOGY**, Vol. II, Plants and Invertebrates—Carl J. Warden, Thomas N. Jenkins and Lucien H. Warner—*Ronald Press*—1070 p., \$6. This is the middle volume of an authoritative reference and text book on comparative and genetic psychology. The first and third volumes dealing with principles and methods and vertebrates have already appeared. The psychologist will want this book on his reference shelf; students and laymen will want to read it for the wealth of interesting facts it contains.

*Science News Letter, August 17, 1940*

## PSYCHOLOGY—PHYSIOLOGY

**SEXUAL PATHOLOGY**, A Study of Derangements of the Sexual Instinct (Rev. ed.)—Magnus Hirschfeld; translated by Jerome Gibbs—*Emerson*, 368 p., \$2.95.

*Science News Letter, August 17, 1940*