

# • First Glances at New Books

Additional Reviews  
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## Physiology

THE CIRCULATION OF THE BLOOD—Winifred Parsons—*Macmillan*, 204 p., \$1.75. What has been learned, since the days of the great Harvey, about the circulation of blood in man and other animals; something about how the knowledge was gained; and its significance in terms of health and disease are here presented briefly and fairly simply for the layman. Some of the numerous illustrations seem a little technical for the general reader, but most of them will prove helpful.

*Science News Letter, December 1, 1934*

## Education

EDUCATION AND SOCIAL PROGRESS—Charles H. Judd—*Harcourt, Brace*, 285 p., \$2.00. The head of the department of education at the University of Chicago here emphasizes the fact that Americans want more than an eighth-grade education, indeed that the American people worship intellectual achievement. But more than the ideal is needed. Dr. Judd points to some practical ways in which the ideal must be given reality.

*Science News Letter, December 1, 1934*

## Agricultural Economics

FIRST PRINCIPLES OF COOPERATION IN BUYING AND SELLING IN AGRICULTURE—Elmer O. Fippin—*Garrett and Massie*, 320 p., \$2.50. The first merchant who ever appeared in the world doubtless was resented by both producers, for paying them too little, and by

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★ *To Clarify and Challenge* ★  
★ *Individual and Scientific Thinking* ★

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New answers to age-old questions on the origin and make-up of the universe. A "highly recommended book . . . A most remarkable and brilliant piece of mental conjuring."—*Scientific Book Club*. "This is really a remarkable work."—*Dr. Kirtley F. Mather*.

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consumers, for charging them too much. Since then, the "middleman problem" has always been with us. Many have wished to eliminate or at least abate the middleman, but until the birth of the modern cooperative movement there have been few who would undertake to bell this particular cat. The present volume tells persuasively and in considerable detail how to go about establishing agricultural cooperatives, and in equal detail how to keep them out of the many difficulties that beset them.

*Science News Letter, December 1, 1934*

## Psychology

CAN ATTITUDES BE TAUGHT?—Arthur Lichtenstein—*Johns Hopkins Press*, 89 p., \$1.25. The answer found by means of the research reported is "yes and no." "The schools seem able to increase resistance to superstitions by stressing open-mindedness. They do not seem able effectively to decrease prejudice or to increase scientificness by the same means."

*Science News Letter, December 1, 1934*

## Technology

SYMPOSIUM ON THE OUTDOOR WEATHERING OF METALS AND METALLIC COATINGS—*American Society for Testing Materials*, 113 p., \$1.25 paper, \$1.50 cloth.

*Science News Letter, December 1, 1934*

## History—Ethnology

THE FIVE CIVILIZED TRIBES—Grant Foreman—*University of Oklahoma Press*, 455 p., \$4. Five tribes of Indians were among the pioneers who settled the West. These southeastern aborigines, forced to migrate across the Mississippi, played their part in the development of what is now Oklahoma. The story of their trials and achievements is told in this eighth volume in the Civilization of the American Indian Series.

*Science News Letter, December 1, 1934*

## VITALISM and MECHANISM A DISCUSSION

between  
HERBERT V. NEAL  
Professor of Zoology, Tufts College  
and  
JAMES F. PORTER

Being a survey of these opposing theories from the point of view of a scientist and a layman.

50 Cents

SHERMAN M. GOBLE  
105 W. Adams St. Chicago, Ill.

## Mechanics

MECHANICS FOR BEGINNERS—F. Barraclough and E. J. Holmyard—*Dutton*, 214 p., \$1. With simplicity and effectiveness this book presents material on forces, work and machines, density, specific gravity, liquid pressure, gases, speed, the laws of motion and energy. Beginners have a good chance of finding themselves enjoying this branch of physics because of the way in which applications and relatively current happenings are mingled with history and the solid and more technical physics. The authors are two British teachers.

*Science News Letter, December 1, 1934*

## Zoology

THE MOOSE OF ISLE ROYALE—Adolph Murie—*University of Michigan*, 44 p., VII plates, 70c. The moose of this Lake Superior island, under discussion as a possible new National Park, are at present presenting something of a Malthusian problem; causal factors and possible solutions are here discussed, in addition to a good presentation of their general natural history.

*Science News Letter, December 1, 1934*

## Radio

SHORT WAVE RADIO HANDBOOK—C. E. Denton—*Radio and Technical Publishing Co.*, 127 p., \$1.00.

*Science News Letter, December 1, 1934*

## Plant Physiology

LETHAL RESPONSE OF THE ALGA CHLORELLA VULGARIS TO ULTRAVIOLET RAYS—Florence E. Meier—*Smithsonian Institution*, 12 p., 3 pl., 15c. An important contribution to our more accurate knowledge of the effects of radiation on plant life.

*Science News Letter, December 1, 1934*

## Conservation

SECOND REPORT OF THE DIRECTOR OF EMERGENCY CONSERVATION WORK—Robert Fechner—*Govt. Print Off.*, 50 p., 4 folded tables, 10c. Scientific and engineering agencies of the Federal Government benefiting by the work of this organization include: Forest Service, U. S. National Park Service, Bureau of Indian Affairs, Office of Chief of Engineers, Bureau of Biological Survey, and Bureau of Animal Industry. The report covers the period from April 5, 1933, to March 31, 1934.

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## Mental Hygiene

MENTAL HEALTH, PAST, PRESENT, AND FUTURE—Arthur Hiler Ruggles—*Williams & Wilkins*, 104 p., \$1.50. In simple, effective words, Dr. Ruggles paints the picture of how man has coped with the ever-present problem of mental health and disease. In the last section he gives two practical suggestions for handling the problem in the future. This small volume is both interesting and stimulating.

*Science News Letter, December 1, 1934*

## Psychology

EXECUTIVE ABILITY, ITS DISCOVERY AND DEVELOPMENT—G. U. Cleeton and C. W. Mason—*Antioch Press*, 200 p., \$2.00. The authors, two psychologists, discuss a subject of great interest to the educator, vocational counselor, and the personnel administrator.

*Science News Letter, December 1, 1934*

## Sociology

VOLUNTEER VALUES—Comp. by Ruth M. Dodd—*Family Welfare Assn. of America*, 43 p., 30c. Helpful in making the contribution of the volunteer social worker a real help to the community.

*Science News Letter, December 1, 1934*

## Education

COURTIS STANDARD RESEARCH TESTS—S. A. Curtis—*Author*, 10c. for samples and explanatory statement. Achievements tests in arithmetic based on the principle of differential testing. How can we measure the child's ability to add as apart from his facility in reading and setting down figures? The answer provided by these tests is the expedient of measuring first his ability in simple copying, then in doing problems of addition. The difference between the scores in copying and in addition gives an index to the adding ability.

*Science News Letter, December 1, 1934*

## Genetics

HEREDITY AND DISEASE—Otto Mohr—*Norton*, 253 p., \$3.50. The principles of inheritance, both of normal traits and of disease, are explained carefully and fully in this excellent book. It is designed for the layman, though the author hopes it will also prove helpful to medical students and physicians. It will require but fully repay careful, thoughtful reading. Numerous illustrations help to clarify the complex subject. Perhaps a glossary of the many

scientific terms necessarily used would also be an aid to the lay reader, although the terms are explained in the text the first time they are used.

*Science News Letter, December 1, 1934*

## Physiology

PHYSIOLOGY IN HEALTH AND DISEASE—Carl J. Wiggers—*Lea & Febiger*, 1156 p., \$9. Written for medical students and physicians, the book seeks to give the physiological basis of disease and functional disturbances and at the same time to give an insight into the methods and procedures by which physiological knowledge is gained.

*Science News Letter, December 1, 1934*

## Natural History

IN FIELD AND GARDEN: NATURE SCIENCE, BOOK IV—Clyde Fisher and Marion L. Langham—*Noble and Noble*, 104 p., \$1. A carefully worked out nature reader for young students, with many illustrations, some in color.

*Science News Letter, December 1, 1934*

## Adult Education

A STATE PLAN FOR ADULT EDUCATION—Lyman Bryson—*American Association for Adult Education*, 69 p., 50c. (40c. to members.) Describing the activities of the California Association for Adult Education and other public and private agencies.

*Science News Letter, December 1, 1934*

## Education

REPORT OF CONFERENCE ON SUPERVISED CORRESPONDENCE STUDY . . . HELD AT TEACHERS COLLEGE, COLUMBIA UNIVERSITY—*International Textbook Co.*, 66 p., 25c. Of special interest to administrators of education.

*Science News Letter, December 1, 1934*

## Psychiatry

OUTLINES FOR PSYCHIATRIC EXAMINATIONS—Ed. by Clarence O. Cheney—*State Hospitals Press*, 134 p., \$1.50. A guide for psychiatrists, other physicians and medical students to follow in examining and obtaining the history of patients with mental disease. This is a revision of an earlier book edited by Dr. George H. Kirby and based on principles laid down by Dr. Adolph Meyer.

*Science News Letter, December 1, 1934*

## Child Psychology

BIG PROBLEMS ON LITTLE SHOULDERS—Carl Renz and Mildred Paul Renz—*Macmillan*, 129 p., \$1.50. The authors have gained the confidence of small patients and are thus able to provide a glimpse into the mind of the child who is trying to solve the perplexing problems of an adult world.

*Science News Letter, December 1, 1934*

## Teaching Methods

ADVENTURES IN BIOLOGY—Julius Schwartz and others—*New York Assoc. of Biology Teachers*, 59 p., 50c. This highly useful little pamphlet contains 286 study projects and a bibliography of 680 titles. Originally intended for use in New York City high schools, it can easily be adapted to fit practically any community in the country.

*Science News Letter, December 1, 1934*

## Physiology

RECENT ADVANCES IN SEX AND REPRODUCTIVE PHYSIOLOGY—J. M. Robson—*Blakiston's*, 249 p., \$4. The vast amount of research and consequent increase in knowledge of the subject matter of this book makes this latest addition to the Recent Advances series particularly welcome. The volume is too technical for lay reading but it will be helpful to physicians and other scientists who are interested but lack time to follow the subject in detail in scientific journals.

*Science News Letter, December 1, 1934*

## Medicine

AMEBIASIS AND AMEBIC DYSENTERY—Charles F. Craig—*Charles C. Thomas*, 315 p., \$5. This is a timely as well as valuable monograph for physicians and medical scientists.

*Science News Letter, December 1, 1934*

## Psychology

IMPROVING THE MEMORY FOR FACES AND NAMES—James D. Weinland—*Bruce Humphries*, 94 p., \$1. The exercises which form a large part of this small volume are so entertaining as to provide diversion for either an individual or a group during the coming winter evenings.

*Science News Letter, December 1, 1934*

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