

• First Glances at New Books

Additional Reviews
On Page 240

Agricultural Economics

RICH LAND—POOR LAND—Stuart Chase—*Whittlesey House*, 361 p., \$2.50. Stuart Chase is not the first to preach wrath to come (and partly already here!) as the result of America's reckless waste of the land and its resources. But whatever Stuart Chase re-tells gains color and force in the retelling. This book is a vivid, dramatic, often appalling presentation of the story of our career to the brink of national bankruptcy through our own undisciplined selfishness. Yet like all the other prophets of today, Mr. Chase tells us there is yet time, that we can draw back from the brink—if we have the national will to self-discipline, which must underlie any success in national planning.

Science News Letter, October 10, 1936

Pets

DOGS: THEIR CARE AND TRAINING, BREEDS AND SELECTION—Alfred W. Meyer—*Whittlesey House*, 268 p., \$2.50. Somewhat over half this book is concerned with the diseases of dogs and their treatment: it is a bit disconcerting to reflect that so many things can go wrong with the fine animals described and pictured in the rest of the text; but at the same time useful to have information as to what to do about it so clearly and thoroughly presented.

Science News Letter, October 10, 1936

Physics

THE PHYSICAL WORLD—Louis M. Heil—*Blakiston's*, 566 p., 426 illus., \$2.75. A text for use in the newer type of cultural science course for students who wish to know something of physics, yet who must not be frightened away by mathematical formulae. The physical principles underlying astronomy, physics and chemistry form the backbone of this book. A splendid collection of unusual textbook illustrations add value.

Science News Letter, October 10, 1936

Biology

A LABORATORY MANUAL IN GENERAL BIOLOGY—James W. Mavor and Leonard B. Clark—*Macmillan*, 201 p., \$1.75.

Science News Letter, October 10, 1936

Sociology

REGIONAL PLANNING—PART II—ST. LOUIS REGION—68 p., 25c.—**PART III—NEW ENGLAND**—101 p., 30c.—National Resources Committee — *Govt. Print. Off.* Careful studies of problems

in human ecology in two strongly diverse areas, the one a municipality at a very important river-pass; the other an old, highly developed geographic unit which is having to undergo some very decided changes—and is not finding the changing too easy. Both publications present material of intense interest to the student of any phase of human affairs.

Science News Letter, October 10, 1936

Biology

COLOR CHANGES OF ANIMALS IN RELATION TO NERVOUS ACTIVITY—G. H. Parker—*Univ. of Pennsylvania*, 74 p., \$1.50. An extension of the Leidy Memorial Lecture for 1936 into a slender volume giving an admirable brief summation of the principal facts now available on one of the most interesting of biological phenomena.

Science News Letter, October 10, 1936

Photography

COLOUR CINEMATOGRAPHY—Adrian Bernard Klein—*American Photographic Publishing Co.*, 350 p., \$7. The modern world is becoming constantly more colorful, and this book on motion pictures in color is a valuable compilation both historically and with relation to modern methods and processes.

Science News Letter, October 10, 1936

Chemistry

ELECTROLYTIC OXIDATION AND REDUCTION: INORGANIC AND ORGANIC—S. Glasstone and A. Hickling—*Van Nostrand*, 420 p., \$9.50. Volume 9 of the British series of monographs on applied chemistry.

Science News Letter, October 10, 1936

Physics

THE REVOLUTION IN PHYSICS—Ernst Zimmer—*Harcourt, Brace*, 240 p., \$3.75. Ernst Zimmer may be an unknown name to many American readers but a praising foreword by Max Planck authenticates this penetrating book. The "revolution" in physics refers to the aspects of the new discoveries as they affect modern thought and philosophy rather than the changes in physical and chemical technology which have already borne marvelous fruits. The main point of the revolution is the passing of the old concept, which was that every problem in every field, including the social sciences, could be treated as a technical problem in straight physics. Man can no longer regard nature, life and his civilization as a fixed thing obeying predetermined laws. If the world considered as a vast complex machine was an illusion of our fathers, how was the illusion produced? And what lies ahead? Herr Zimmer goes far toward supplying the answers.

Science News Letter, October 10, 1936

Meteorology

MANUAL OF METEOROLOGY, VOLUME II, COMPARATIVE METEOROLOGY—Sir Napier Shaw—*Cambridge (Macmillan)*, 472 p., \$10. A thoroughly scholarly presentation of a very important aspect of weather science, yet not too technical for the serious though non-professional reader to study with profit and even with pleasure. The many scores of maps, charts, diagrams, and tables aid materially in the presentation. A feature of particular value and interest is the thorough discussion of air mass analysis.

Science News Letter, October 10, 1936

This Handy Coupon

IS FOR NEW OR RENEWAL SUBSCRIPTIONS

To Science News Letter, 2101 Constitution Avenue, Washington, D. C.

Please start renew my subscription to SCIENCE NEWS LETTER for 2 years, \$7 1 year, \$5

Name

Street Address

City and State

Extra postage charges: 50c a year in Canada; 75c a year in foreign countries.

• First Glances at New Books

Additional Reviews
On Page 239

Plant Physiology

GROWTH HORMONES IN PLANTS—P. Boysen Jensen, Trans. and rev. by George S. Avery, Jr. and Paul R. Burkholder with the collaboration of Harriet B. Creighton and Beatrice A. Scheer—*McGraw-Hill*, 268 p., \$3.50. Growth substances in plants are such a recent discovery, and their physiology such a rapidly developing subject of investigation, that the literature on the subject has been very badly scattered, with some of the most important papers difficult of access, or escaping attention because obscurely published. The author and the translators of this volume therefore merit the gratitude of all plant physiologists, and of biologists generally, for making so much of the foundation-material available in one not-too-thick volume.

Science News Letter, October 10, 1936

Meteorology

AN INTRODUCTION TO THE STUDY OF AIR MASS ANALYSIS—Jerome Namias and others—*American Meteorological Society*, 84 p., 50c to members and in bulk, 60c to others. A valuable treatment of the latest methods in weather forecasting. Air mass analysis contains the hope of longer range weather forecasting.

Science News Letter, October 10, 1936

Science

SCIENCE INTERESTS—Frederick L. Fitzpatrick—*Teachers College, Columbia Univ.*, 72 p., 80c. Educators are giving consideration to the interests, likes or dislikes of students as an aid to determining what they should study or what they should do in later life. This inquiry summarizes methods of determining "interest" and concludes that testimony of the pupils themselves is an inadequate index.

Science News Letter, October 10, 1936

Cinematography

SOUND EQUIPMENT, MOTION PICTURE PROJECTION, PUBLIC ADDRESS SYSTEMS—James R. Cameron—*Cameron Publishing Company*—336 p., \$5. A valuable handbook for those who operate sound equipment.

Science News Letter, October 10, 1936

Geology

HISTORICAL GEOLOGY—Walter A. Ver Wiebe—*John S. Swift Co.*, 316 p., \$3. This text is unique in several respects. In the first place, it is plano-

graphed rather than printed, necessitating considerable thought and care in making the illustrations as diagrammatic and clear as possible—an advantage in itself. Even more important is the author's departure from the usual order of presentation "from the bottom up." Prof. Ver Wiebe reverses, beginning with the Quaternary and digging down through each age in turn until he reaches the Archaeozoic. The result is calculated to be of greater interest to beginning students.

Science News Letter, October 10, 1936

History—Sociology

THE FOUNDATIONS OF CIVILIZATION—Will Durant—*Simon and Schuster*, 211 p., \$1. A reprint of the introduction of the author's more extensive work, *The Story of Civilization*, which appeared last year.

Science News Letter, October 10, 1936

Sociology

PROGRESS REPORT OF THE NATIONAL RESOURCES COMMITTEE, June 15, 1936—*Natl. Res. Comm.*, 61 p., 25c. Considering the tremendous physical magnitudes of the problems to be attacked, and the obstinate local interests that frequently have to be met, there has been a surprising and gratifying amount of progress in a single year's work, as reported in this publication.

Science News Letter, October 10, 1936

Psychology

GENERAL PSYCHOLOGY—David B. Klein—*Holt*, 560 p., \$2.50. A text intended for those who desire only a general cultural orientation in the field as well as for those who intend to major in this science. It is written by the professor of psychology in the University of Texas.

Science News Letter, October 10, 1936

Botany

COMMON MUSHROOMS—Leon L. Pray—*Field Museum of Natural History*, 68 p., 75c. A compact, very well illustrated booklet on the species of mushrooms most likely to be encountered in ordinary country or woodland walks.

Science News Letter, October 10, 1936

Physics—Philosophy

THE PHILOSOPHY OF PHYSICS—Max Planck—*Norton*, 128 p., \$2. Prof. Planck's views on how the science of physics affects the philosophical thinking of men merit thoughtful consideration. Any philosophy, he points out, must include the inanimate natural things that the physicist studies. Some religious dogmas, says Prof. Planck, have fallen because they failed to do this. But physics affects philosophy in a positive sense also because the vast fruits of exact science in technological applications have made it, rightly or wrongly, a model for other fields of study. The point which Prof. Planck explains in detail is that the philosophy of a student of physics will influence his scientific work and conversely his studies affect his philosophy.

Science News Letter, October 10, 1936

General Science

THE TREE OF KNOWLEDGE—Colored reproduction of mural by John Norton, size 25" x 38"—*Museum of Science and Industry*, Chicago. 25c per copy; 20c for each additional copy. Suitable for framing and hanging on wall of classroom or study.

Science News Letter, October 10, 1936

Poultry Husbandry

EGG FARMING—Willard C. Thompson—*Orange Judd*, 335 p., \$2. Making a living by keeping chickens is not a simple and easy matter—as many a hopeful amateur has expensively learned. The practical and thorough discussion of the whole business given in this book will be illuminating to many who contemplate entering it, and helpful to those already engaged in it.

Science News Letter, October 10, 1936

Chemistry

A POCKET BOOK FOR CHEMISTS, CHEMICAL MANUFACTURERS, METALLURGISTS, DYERS, DISTILLERS, BREWERS, SUGAR REFINERS, PHOTOGRAPHERS, STUDENTS, ETC. Ninth ed.—Thomas Bayley—*Chemical Publishing Co.*, 460 p., \$3.50. British small-scale equivalent of the American Handbook of Physics and Chemistry.

Science News Letter, October 10, 1936

Science News Letter will secure for its subscribers any book or magazine in print which was published in the United States. Send check or money order to cover regular retail price (\$5 if price is unknown, change to be remitted) and we will pay postage in the U. S. When publications are free, send 10c. for handling. Address Book Dept., Science News Letter, 2101 Constitution Avenue, Washington, D. C.
