

# •First Glances at New Books

## CHEMISTRY

MODERN CHEMISTRY (Rev. ed.)—Charles E. Dull—*Holt*, 777 p., illus., \$1.80. This edition brings up to date a high school text published first in 1936. A section is devoted to atom-smashing which, the author says, is "the favorite indoor sport among university professors of physics and chemistry."

*Science News Letter, January 11, 1941*

## BIOLOGY

LIVING THINGS AND YOU, A Biology Textbook—Elliot R. Downing and Veva M. McAtee—*Lyons and Carnahan*, 673 p., illus., \$1.80. Biology for high school students, simply and forcefully presented. Illustrations are well-chosen, new, and cleanly drawn.

*Science News Letter, January 11, 1941*

## ZOOLOGY

PRACTICAL ZOOLOGY—H. R. Hewer—*Chemical Pub. Co.*, 118 p., \$2. Laboratory directions for the dissection of a number of animal types commonly studied in general zoology courses.

*Science News Letter, January 11, 1941*

## CHEMURGY

THE DOMESTIC PRODUCTION OF ESSENTIAL OILS FROM AROMATIC PLANTS—*National Farm Chemurgic Council*, 77 p., illus., 50c.

*Science News Letter, January 11, 1941*

## CHEMISTRY

SEMI-MICRO QUALITATIVE ANALYSIS (2d ed.)—Carl J. Engelder, Tobias H. Dunkelberger and William J. Schiller—*Wiley*, 305 p., \$2.75. The first edition of this book, in 1936, introduced the so-called "semi-micro" technique into many colleges. Experience with that has led to changes in this new edition which should make it still more useful.

*Science News Letter, January 11, 1941*

## EVOLUTION

GENES AND GENESIS—Harold W. Clark—*Pacific Press Pub. Assn., Mountain View, Cal.*, 155 p., \$1.50. Basing his thesis on recent admissions by biologists of difficulties in reconciling the principles of genetics with classic teachings in evolution, the author makes a plea for a return to creationism so far as principal groups are concerned, with a certain amount of developmentalism tolerated in species and perhaps genera. While the presentation is earnest and sincere, and is made with a minimum of heat, it is

not likely to satisfy either the extreme literalist or the thorough-going evolutionist.

*Science News Letter, January 11, 1941*

## CHEMISTRY

A LABORATORY GUIDE FOR ORGANIC CHEMISTRY (2d ed.)—E. Wertheim—*Blakiston*, 560 p., \$2. This book offers a laboratory course which may include preparation work, test-tube reactions, and experiments in qualitative analysis in such proportions as the instructor chooses.

*Science News Letter, January 11, 1941*

## CHEMISTRY

THE CHEMIST AT WORK—Roy I. Grady, John W. Chittum and others—*Journal of Chemical Education*, 422 p., illus., \$3. This is the book that a teacher should recommend to a student who is thinking of chemistry as a career. Each of the many authors contributes the chapter relating to his or her branch of chemical research.

*Science News Letter, January 11, 1941*

## CHEMISTRY

MANUAL OF INDUSTRIAL HEALTH HAZARDS—Joseph B. Ficklen—*Service to Industry*, 176 p., \$4. More than ninety noxious gases, vapors and dusts which occur in industry are here described, together with such other data as the symptoms they produce and the methods of testing for their presence.

*Science News Letter, January 11, 1941*

## PHYSICS

QUARTZ OSCILLATORS AND THEIR APPLICATIONS—P. Vigoureux—*British Library of Information*, 131 p., \$1.35. Use of quartz crystals for radio frequency standards is but one of the applications treated in this work.

*Science News Letter, January 11, 1941*

## ANTHROPOLOGY—BIBLIOGRAPHY

A BIBLIOGRAPHY OF THE NAVAHO INDIANS—Clyde Kluckhohn and Katherine Spencer—*Augustin*, 93 p., \$1.50.

*Science News Letter, January 11, 1941*

## GENETICS

PRINCIPLES OF GENETICS — E. Grace White—*Mosby*, 352 p., illus., \$2.50. A new textbook, suitable for use in college classes, by the head of the biology department at Wilson College. The author has managed to shear off superfluities, yet to retain all essentials.

*Science News Letter, January 11, 1941*

## ECONOMICS

GUIDEPOSTS FOR RURAL YOUTH—E. L. Kirkpatrick—*American Council on Education*, 167 p., \$1. Programs prepared for the American Youth Commission suggesting practical steps for improving the situation of rural youth. Seven million rural children and youth, Director Reeves says in a foreword, are growing up under handicaps. Large numbers of them are living under conditions that are unwholesome for themselves and highly detrimental to the strength of the nation.

*Science News Letter, January 11, 1941*

## ARCHAEOLOGY

ANCIENT SEALS OF THE NEAR EAST—Richard A. Martin—*Field Museum of Natural History*, illus., 25c. Features exceptionally clear photographs of ancient Mesopotamia's cylinder seals. Those portrayed are from world famous collections and are among finest examples known.

*Science News Letter, January 11, 1941*

## GENERAL SCIENCE

REVIEW OF ACTIVITIES FOR THE YEAR ENDED MARCH, 1939—*National Research Council of Canada, Ottawa, Canada*, 175 p., 75c.

*Science News Letter, January 11, 1941*

## CHEMISTRY

LIST OF HEADS OF DEPARTMENTS OF CHEMISTRY AND CHEMICAL ENGINEERING IN AMERICAN UNIVERSITIES AND COLLEGES—*Div. of Chemistry and Chemical Technology, Nat'l. Research Council*, 32 p., 25c.

*Science News Letter, January 11, 1941*

## MATHEMATICS

MATHEMATICAL LOGIC — Willard Van Orman Quine—*Norton*, 348 p., \$4. This includes the material presented by the author in his Harvard University course. Though it does not presuppose any previous training in mathematics or philosophy, it is intended for the serious reader and many sections require close study.

*Science News Letter, January 11, 1941*

## ELECTRICAL ENGINEERING

PRINCIPLES OF ELECTRICAL ENGINEERING (3rd ed.)—William H. Timbie and Vannevar Bush—*Wiley*, 540 p., illus., \$4.50. Ten years is a long period in an active branch of engineering, and that is the interval which has elapsed since the second edition of this standard work appeared. It is now brought completely up to date.

*Science News Letter, January 11, 1941*