

● First Glances at New Books

Science Education

SCIENCE IN THE NEW EDUCATION—S. R. Slavson and Robert K. Speer—*Prentice-Hall*, 393 p., \$2.50. From the standpoint of new discoveries and developments in science, the postgraduate instruction in universities is perhaps most important, but so far as the general public is concerned the most important period of science inoculation during their formal education is during the elementary grades. The competent authors have performed a real service in re-examining science in relation to education in this book. They discuss science education for the elementary grades as experience in the development of the total personality which is the game of education generally. Practical suggestions are given in what is called the "search discovery method."

Science News Letter, November 10, 1934

Medicine

THE DOCTOR IN HISTORY—Howard W. Haggard—*Yale Univ.*, 421 p., \$3.75. With his usual charming and highly readable style, Dr. Haggard describes the part played by doctors and medical science in the history of the human race from earliest times to the present.

Science News Letter, November 10, 1934

Electricity

ELECTROMANUAL VOLUME 1—I. G. Terry, W. A. Dickinson and W. L. Hunter—*Burgess Pub. Co.*, 77 p., mimeographed, \$1.45—Mimeographed laboratory manual for an introductory course in high school electricity. Three dimensional drawings of apparatus do a creditable job of showing wiring diagrams but lack the professional artist's touch.

Science News Letter, November 10, 1934

Chemistry

THE FARM CHEMURGIC—William J. Hale—*Stratford Co.*, 201 p., \$2. A call to arms to assemble science, put agriculture on a chemical basis and thus wipe out depressions. Dr. Hale gives his idea of how this worthy aim may be accomplished, based on the new knowledge of how to turn farm products into a variety of raw materials for industry. Farms of the nation embrace 980,000,000 acres, of which about a third are under cultivation. Yet the food and raiment needs of the country can be supplied by 100,000,000 acres. The proper application of scientific

farming, Dr. Hale believes, could reduce within five years the needed acreage to only 50,000,000. What will the farmers do then when four out of five of them, even now, need work no more? In the industrial applications of farm material such as alcohol from grain for fuel and in alpha cellulose from wood and other forest products, Dr. Hale sees the answer.

Science News Letter, November 10, 1934

Political Science

NEW FEDERAL ORGANIZATIONS, AN OUTLINE OF THEIR STRUCTURE AND FUNCTIONS—Laurence F. Schmeckebier—*Brookings Institution*, 199 p., \$1.50. For those who deal with the Federal Government in its multiplex activities this handbook, summarizing the new developments in the organization of the Federal Government between March, 1933, and July 1, 1934, will be an invaluable aid. It is the product of the Brookings Institution's Institute for Government Research which in the past has surveyed so effectively the older divisions of the Federal Government.

Science News Letter, November 10, 1934

History

NEW SOURCES OF INDIAN HISTORY—Stanley Vestal—*Univ. of Oklahoma*, 351 p., \$3.50. Mr. Vestal has called this volume on Sioux history a miscellany, because it contains the overflow of his biographic study of Sitting Bull. Here are the historic documents on the Ghost Dance and the death of Sitting Bull in 1891, many of these papers never before published. Here, too, is new source material on the history of the Sioux Nation, compiled from Indian statements and testimony of white eye witnesses. The volume is seventh in a series on the civilization of the American Indian.

Science News Letter, November 10, 1934

Astronomy

ELEVENTH REPORT OF THE SECTION FOR THE OBSERVATION OF VARIABLE STARS, 1925-1929—*British Astronomical Association*, 403 p., members, 5 shillings; non-members, 10 shillings, plus postage and duty.

Science News Letter, November 10, 1934

Chemistry-Physics

HANDBOOK OF CHEMISTRY AND PHYSICS: 19TH EDITION—Ed. by Charles D. Hodgman—*Chemical Rubber Pub. Co.*, 1933 p., \$6. Hardy perennial that it is, the Chemical Handbook for the new school year has now grown to 1933 pages—an increase of 115 pages from the last edition. New information includes the crystallographic data on over a thousand substances. The thermodynamic properties of ammonia and other refrigerants cover fourteen pages. The collection of integrals has been greatly increased.

Science News Letter, November 10, 1934

Archaeology

ANTIOCH ON-THE-ORONTES, I. The Excavations of 1932—Edited by George W. Elderkin—*Princeton University Press*, 156 p., 171 pl., 200 figs., \$12. For six years, beginning in 1931, a group of American and French institutions have the right of excavation at Syrian Antioch. Since this is the only city of the "big four" in the Late Roman Empire which can be extensively excavated now, Antioch is relied upon to give the fullest picture of life and art in a metropolis at the close of the ancient world. In this beautifully produced report, eight contributors discuss findings of 1932, including lamps, coins, Greek and Latin inscriptions, the circus ruins, baths, and remarkable mosaics which show for the first time what the style of painting was like in this influential city.

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Anthropology

THE STORY OF THE AMERICAN INDIAN—(rev. ed.)—Paul Radin—*Live-right*, 383 p., \$2.50. Pushing into the background the "things" that archaeologists have dug up and use to explain America's ancient history, this anthropologist stresses results of all the digging and inquiring. He tells the story of the rise and fall of civilizations in Indian America, just as he might write European ancient history. The first edition appeared in 1927.

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