

● First Glances at New Books

Additional Reviews
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Meteorology

THE DRAMA OF WEATHER—Sir Napier Shaw—*Macmillan*, xiv+269 p., \$3.50. Sir Napier has that excellent combination, fortunately frequent in English men of science, of knowing a great deal about his subject and knowing also how to say it so that it will entertain the person who knows nothing about it, and so instruct him unawares. With vigorous readable text, with beautiful photographs and clean-cut diagrams and maps, he has built a book about the weather that should add fresh information and zest to conversations even about this most-discussed of all topics, as well as find a more serious and permanent occupation in the working libraries of all who have outdoor occupations or interests.

Science News Letter, November 25, 1933

Ethnology—Archaeology

FORTY-EIGHTH ANNUAL REPORT OF THE BUREAU OF AMERICAN ETHNOLOGY, 1930-1931—*Govt. Print. Off.*, 1220 p., \$2. Aside from a few pages of "annual report," this entire volume is a fine index of the previous 47 reports. It comes, therefore, as a welcome addition to the reference literature on the American Indian, and very especially welcome to those who have often gone hunting through the 47 reports for some valuable but elusive piece of information known vaguely to have appeared in the series. The index is by Biren Bonnerjea.

Science News Letter, November 25, 1933

Medicine

ANNUAL REPORT, 1932—*Rockefeller Foundation*, 455 p., free. The bulk of the report is taken up with description of the health and medical activities which include research in yellow fever, malaria, tuberculosis, hookworm and other diseases.

Science News Letter, November 25, 1933

Engineering

AZIMUTH DETERMINATION—E. F. Coddington—*Ohio Eng. Exper. Sta.*, 73 p., 50c.

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Physics

INTRODUCTORY PHYSICS—L. Grant Hector—*American Book Co.*, 372 p., \$3. Here is a text which claims to modernize the teaching of elementary physics by presenting the entire subject from

a modern standpoint in place of inserting isolated chapters on modern subjects. Even in the most elementary electrical phenomena, modern concepts of electrons, protons and ionized atoms are used, but the student is warned that further experiments may modify present views. The book, which is based on experimental work at the University of Buffalo, will certainly be more interesting to the average student than the orthodox text.

Science News Letter, November 25, 1933

Electronics

ELECTRONS AT WORK—Charles R. Underhill—*McGraw-Hill*, 354 p., \$3. All who desire a general knowledge of the subject of electronics or wish to inform themselves of the latest advances in the field will be well satisfied by this text. Fundamentals and applications are traced in semi-popular style. Here is opportunity for understanding through entertaining reading one of the most recent and greatest revolutionizing forces of industry.

Science News Letter, November 25, 1933

Standardization

REPORT OF THE NATIONAL SCREW THREAD COMMISSION—*Govt. Print. Off.*, 171 p., 15c. Evidence of the usefulness of one of the government organizations recently abolished in the Federal reorganization plan. Happily, the work of the National Screw Thread Commission will continue as a part of the National Bureau of Standards under which it has previously functioned. This report, the fourth to be published, gives the present standards for screw threads of various sorts.

Science News Letter, November 25, 1933

Engineering Materials

A. S. T. M. STANDARDS ON PRESERVATIVE COATINGS FOR STRUCTURAL MATERIALS, Paints, Varnishes, Lacquers and Paint Materials—*American Society for Testing Materials*, 350 p., \$1.25.

Science News Letter, November 25, 1933

Zoology

STRANGE ANIMALS AND THEIR WAYS—Ralph and Fredrica De Sola—*Scribners*, 65 p., \$1.50. A simply written natural history book for younger readers, well illustrated in black-and-white by Norman Borhardt, with foreword by Raymond L. Ditmars.

Science News Letter, November 25, 1933

Sociology

IMMIGRATION AND ASSIMILATION—Hannibal Gerald Duncan—*Heath*, 890 p., \$3.80. A comprehensive text for the study of a major problem in racial trends. Opening with a glimpse of the world, and a closer look at the backgrounds for immigration in one country after another, the author then proceeds to the second half of his book. This deals with the immigrant in the United States and the process of his assimilation. An interesting and worthwhile feature is the series of life histories of American immigrants of the first, second, and third generations. For the student, suggested exercises, questions, and problems for investigation are provided at the end of each chapter.

Science News Letter, November 25, 1933

History—Travel

SANTIAGO DE LOS CABALLEROS DE GUATEMALA—Dorothy H. Popenoe—*Harvard Univ. Press*, 74 p., \$1.50. A pleasantly worth while guide book, for stay-at-homes as well as for those fortunate enough to visit Guatemala. The subject is the ruined capital of colonial Guatemala. But so plain a statement scarcely does justice to the scope of the book, for the author conjures up a vivid pageant of Indian life, Spanish conquest, colonial days, and finally present scenes of crumbling and romantic ruins. The attractive illustrations are also by the author.

Science News Letter, November 25, 1933

Philosophy

MAN IN THE MODERN AGE—K. Jaspers—*Holt*, 243 p., \$2.50. Unlike most of the post-war German philosophers, who seem to have been trying to become super-Schopenhauers for pessimism, Prof. Jaspers feels that the human soul can yet escape from the jungle of overcrowding things. "Pulling himself together on the border-line of destruction, the independent human being may arise, one who will take matters into his hands and enjoy true being." Translated by Eden and Cedar Paul.

Science News Letter, November 25, 1933

Mechanical Engineering

A STUDY OF THE LOCOMOTIVE FRONT END, INCLUDING TESTS OF A FRONT-END MODEL—Everett G. Young—*Eng. Exper. Sta., Univ. of Illinois*, 182 p., \$1.

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Psychology—Education

BUSY CHILDHOOD—Josephine C. Foster—*D. Appleton-Century*, 303 p., \$2.50. With the approach of long, stormy winter Saturdays and the arrival of the annual problem of selection of Christmas games and toys, those interested in children will welcome enthusiastically this book which tells what scientific study has revealed regarding the happy, constructive activities of childhood. It contains the answer to that most pathetic of all child questions, "What shall I do?" The responsibilities that should be given the child and the work that should be taught them is discussed as well as a great variety of amusements.

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Psychology—Education

HAPPY CHILDHOOD—John E. Anderson—*D. Appleton-Century*, 321 p., \$2.50. Every child has certain needs—security, affection, motor skill, knowledge, independence and so on. An expert on child development here discusses each of these in turn and what parents and others can do to aid the child in his various quests. The book is based primarily on reports of the White House Conference.

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Biology

DYNAMIC BIOLOGY—A. O. Baker and L. H. Mills—*Rand McNally*, 722 p., \$1.72; **ACTIVITIES FOR DYNAMIC BIOLOGY**—Same authors—*Rand McNally*, 218 p., 80c. Text and work-book for a complete course in biology for high schools.

Science News Letter, November 25, 1933

Management

SALES MANAGEMENT TODAY—J. Russell Doubman—*Sears*, 342 p., \$3. A member of the faculty of Wharton School of Commerce has written a useful and practical text for those who would manage salesmen. It is recommended to both the student and the aspiring salesman.

Science News Letter, November 25, 1933

Aeronautics—Physics

THE PRINCIPLES OF AERODYNAMICS—Max M. Munk, 260 p., \$1.75. Intended to make the principles of aerodynamics understandable to anyone with a high school education in mathematics, this book should interest those engaged

in airplane design who are more interested in the physical and practical end of the subject than in its mathematical aspects. The author is now lecturer in aerodynamics at the Catholic University of America and he is known as an authority on his subject through his work at Langley Field and elsewhere.

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General Science

INTERNATIONAL INTELLECTUAL CO-OPERATION, 1932—League of Nations, International Institute of Intellectual Cooperation—*World Peace Foundation, Boston*, 147 p., 50c. While political, economic and military experts pile disagreement on disagreement and crowd the world daily closer to the edge of the abyss, scientists, humanists and other men and women of good will daily show that real internationalism is possible under the aegis of the much-belabored League of Nations. Another year's progress is here recorded.

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Mathematics

AN INTRODUCTORY COURSE OF MECHANICS—E. G. Phillips—*Cambridge Univ. Press*, 255 p., \$3.25. Regarding his subject as a branch of mathematics rather than as an ancillary to physics or engineering, the senior lecturer in mathematics at the University College of North Wales presents a complete and thorough text for the first year's course.

Science News Letter, November 25, 1933

Entomology

REVIEW OF THE WASPS OF THE SUB-FAMILY PSENINAE OF NORTH AMERICA (HYMENOPTERA: ACULEATA)—J. R. Malloch—*Smithsonian Institution*, 60 p., 2 pl.

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Mathematics

LOGARITHMIC AND TRIGONOMETRIC TABLES—William L. Hart—*D. C. Heath*, 124 p., \$1.32. Squares and square roots, three-place, four-place, five-place logarithms and other related tables.

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Meteorology—Geography

MOUNT WASHINGTON REOCCUPIED—Robert S. Monahan—*Stephen Daye Press*, 270 p., \$2.50. The experiences of the scientific expedition upon the highest mountain in New England, during the winter 1932-33, written in diary form. Not since 1892 had Mt. Washington been occupied by a weather station. Joseph B. Dodge and his fearless crew of young men operated the only truly high mountain meteorological station in North America during the International Polar Year just closed. The weather watch is continuing this winter with the aid of Dr. Charles F. Brooks and the meteorological activities of Harvard and M.I.T.

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Economics—Politics

AMERICA SELF-CONTAINED—Samuel Crowther—*Doubleday Doran*, 340 p., \$2. One of our best-known isolationists states his full credo. A sample proposal is interesting: "If the flat refusal of foreign nations to meet the service on their war debts be taken as an overt act, it would not be out of reason simply to commandeer the foreign investments in the United States and also to impound foreign bank balances. If the foreign nations then did likewise with American-owned foreign investments, our own government could take up their claims and issue government securities. This could clear the air." And probably bring on our necks such a ganging-up of the nations as to make even the best efforts of Wilhelm II or his small successor, Hitler, seem puerile and amateurish.

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Education—Sociology

THE OBLIGATION OF UNIVERSITIES TO THE SOCIAL ORDER—*New York Univ. Press*, 503 p., \$2. The addresses and discussion at the conference of universities, held under the auspices of New York University in 1932 in celebration of its first one hundred years of instruction, are in this volume made a permanent and useful record.

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