

•First Glances at New Books

Additional Reviews
On Page 352

MILITARY SCIENCE—ECONOMICS

STRATEGY OF THE AMERICAS—Fleming MacLiesh and Cushman Reynolds—*Duell, Sloan and Pearce*, 247 p., \$2.50. Where the danger lies, how it can be averted or encountered, set forth fully in a clear, non-technical discussion. Ground covered includes industrial and economic defense as well as straight-out military and naval measures. Good reading for the times.

Science News Letter, May 31, 1941

ZOOLOGY

A CONTRIBUTION TO THE KNOWLEDGE OF VARIATION IN *Opheodrys Vernalis* (HARLAN), WITH THE DESCRIPTION OF A NEW SUBSPECIES—Arnold B. Grobman—*Univ. of Mich. Press*, 38 p., 35c.

Science News Letter, May 31, 1941

ECONOMICS

DEVELOPMENT OF RESOURCES AND STABILIZATION OF EMPLOYMENT IN THE UNITED STATES; Part II, Regional Development Plans—National Resources Planning Board—*Govt. Print. Off.*, 285 p., 80c.

Science News Letter, May 31, 1941

MATHEMATICS

THE STEREOGRAPHIC PROJECTION—F. W. Sohon, S. J.—*Chem. Pub. Co.*, 210 p., \$4. The stereographic projection, which seems to have been invented about 150 B. C. by Hipparchus, has many points of interest, in addition to its use in map-making. Father Sohon, director of the Georgetown University Seismological Observatory, became interested through its use in earthquake study, and has here written a complete exposition, developing the subject from its foundation.

Science News Letter, May 31, 1941

CHEMISTRY

DANGERS AND HEALTH HAZARDS OF FIRE GASES—Harold Joe Davis—*Pub. by author*, 3927 East Admiral Place, Tulsa, Okla., 25c.

Science News Letter, May 31, 1941

PHYSICS

VACUUM TUBE VOLTMETERS—John F. Rider—*Rider*, 179 p., illus., \$1.50. Among the vast number of applications of the electron tube, one of the most widespread has been in connection with voltage measurements. First used mainly for measuring high-frequency voltages, it is now employed for many other measurements, even of current and resistance.

This is a practical exposition of such devices, with full details about the various types.

Science News Letter, May 31, 1941

METEOROLOGY

METEOROLOGY (2nd ed.)—Donald S. Piston—*Blakiston*, 233 p., illus., \$3. New edition of a successful brief text for college and aviation school courses.

Science News Letter, May 31, 1941

GEOLOGY

TEXTBOOK OF GEOLOGY; Part II, Historical Geology (4th ed.)—Charles Schuchert and Carl O. Dunbar—*Wiley*, 544 p., illus., \$4. That a new edition has had to be produced about every ninth year since this book first appeared in 1915 is sufficient testimony to its value and success.

Science News Letter, May 31, 1941

PSYCHOLOGY

ANIMAL BEHAVIOR, Impulse, Intelligence, Instinct—Johann A. Loeser—*Macmillan*, 178 p., illus., \$2. A compact, popularly written (but not "jazzed") presentation of the essential facts about animal behavior, divided into sections on self-preservation, propagation, social impulses and migration. The author, a well-known German scientist, has been in Great Britain since 1938.

Science News Letter, May 31, 1941

MILITARY SCIENCE—ECONOMICS

UNITED WE STAND! Defense of the Western Hemisphere—Hanson W. Baldwin—*Whittlesey House*, 364 p., \$3. How can our hemisphere—the hemisphere of all the Americas, North and South—be made secure against those who would encroach upon it? The problem is clearly stated in all its difficulties, what has been done and what must yet be done are equally clearly stated, and the means for carrying out the tasks by citizen and warrior alike are described in terms that all can understand.

Science News Letter, May 31, 1941

GENERAL SCIENCE

INTERNATIONAL SCIENTIFIC CONGRESSES HELD SINCE 1930, OR ANNOUNCED FOR 1941 OR LATER—*National Research Council*, 46 p., 25c. Compiled in the Library of the National Research Council, this list should prove extremely valuable, in spite of the fact that the war has interfered with many congresses.

Science News Letter, May 31, 1941

MILITARY SCIENCE

THE ARMY OF THE FUTURE—Charles de Gaulle—*Lippincott*, 179 p., \$2. First translation for American readers of the famous book which General de Gaulle wrote as a guide for the defenders of his native country, but which was rejected by them and became the text of its enemies instead. It is always interesting to read the words of a prophet after his prophecy has come true—even if the reading at the present moment is somewhat grim.

Science News Letter, May 31, 1941

HISTORY

A HISTORY OF CHILE—Luis Galdames; Isaac Joslin Cox, trans. and ed.—*Univ. of North Carolina Press*, 565 p., \$5. Fourth in the Inter-American Historical Series, this volume gives to English-speaking readers a history of Chile, by a Chilean. Sr. Galdames' book has already won approval in his own country, where eight editions have appeared. He emphasizes not only military and political events but also social and economic changes which the country has experienced.

Science News Letter, May 31, 1941

RADIO

I LIVE ON AIR—A. A. Schechter and Edward Anthony—*Stokes*, 580 p., \$3.75. Relatively uninhibited stuff about how news happenings and public events get to your radio loud speaker, written from the inside of NBC.

Science News Letter, May 31, 1941

AGRONOMY

HUNGER SIGNS IN CROPS, A Symposium—Gove Hambidge, ed.—*Judd and Detweiler*, 327 p., illus., \$2.50. See page 350.

Science News Letter, May 31, 1941

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

WYOMING

Fish in its mountain streams. Ride horse-back thru its hills and canyons. Find Indian relics and marine fossils in this region of great historical and geologic interest.

The Patons welcome a limited number of guests at their ranch home in the Big Horn country. Cabins are comfortable, food good and horses gentle.

Write for illustrated folder with map

Paton Ranch, Shell, Wyoming

•First Glances at New Books

Additional Reviews
On Page 351

GEOGRAPHY

FOCUS ON AFRICA—Richard Upjohn Light; Photographs by Mary Light—*American Geographical Society*, 228 p., 323 illus., \$5. Africa, shown to the reader by a surgeon-aviator who reports what he saw in a comprehensive air tour of the continent, plus numerous air and ground photographs taken by Dr. Light's wife. The story of the flying experiences provides drama, and the scientific curiosity of the fliers provides answers to basic questions on what the complicated land of Africa is like today.

Science News Letter, May 31, 1941

NATURE STUDY

NATURE GAMES BOOK—Elmo N. Stevenson—*Greenberg*, 208 p., illus., \$2.50. A book for anyone who has charge of a group of lively children in need of occupation that will be fun and yet at the same time teach them something. A great deal of what often goes into lessons in school is presented as interesting, competitive games. This book is particularly well suited for use in summer camps.

Science News Letter, May 31, 1941

GEOLOGY

VOLCANOES OF THE MEDICINE LAKE HIGHLAND, CALIFORNIA—Charles A. Anderson—*Univ. of Calif. Press*, 74 p., 9 pl., \$1.

Science News Letter, May 31, 1941

ETHNOLOGY

A KEY TO POTTERY AND GLASS—Bernard Rackham—*Chemical Pub. Co.*, 180 p., \$2.25. For the reader who would like to know more about development of china and glassware, from early past to present, this handbook history is written. The author, a British ceramic authority, presents his facts with a view to enlightening the reader generally, leaving for more encyclopedic works the bulk of minor technical details, dates and names. The book is illustrated.

Science News Letter, May 31, 1941

METEOROLOGY

THE ANALYSIS OF RAINFALL IN THE SONORAN DESERT AND ADJACENT TERRITORY—William V. Turnage and T. D. Mallery—*Carnegie Inst. of Washington*, 45 p., 35c. (Pub. No. 529).

Science News Letter, May 31, 1941

PHOTOGRAPHY

INFRARED PHOTOGRAPHY WITH KODAK MATERIALS—*Eastman Kodak Co.*, 34 p., illus., 25c. Photography with infra-red

light, which, among other peculiarities, is able to penetrate haze, was until recently possible only with considerable difficulty. Modern films and filters make it easy nowadays and this pamphlet will be an interesting introduction for the amateur photographer who wants to conquer some new worlds.

Science News Letter, May 31, 1941

ECONOMICS

DOLLARS AND SENSE—Edwin Trent—*Kensington Press*, 84 p., \$2. In which the author presents his own formula for investors. This seems to be briefly to buy only after prices have risen 12½% and to hold until they have fallen 12½%. This looks reasonable provided the market has a generally upward trend, but what if it falls?

Science News Letter, May 31, 1941

CHILD STUDY

PLAY FOR CONVALESCENT CHILDREN IN HOSPITALS AND AT HOME—Anne Marie Smith—*Barnes*, 133 p., \$1.60. A stimulating book which should be of great value to all who work with sick or crippled children. Parents will find at the end of the book lists of games and play materials which will be useful at any time.

Science News Letter, May 31, 1941

SOCIOLOGY

THE SOCIAL ROLE OF THE MAN OF KNOWLEDGE—Florian Znaniecki—*Columbia Univ. Press*, 212 p., \$2.50. In a world of precipitately changing values, the question of what place knowledge and men of knowledge have in a modern world is challenging. Professor Znaniecki, in these Columbia University Lectures, gives his evaluation of the scientist's important role.

Science News Letter, May 31, 1941

PALEONTOLOGY

FOSSIL TURRITELLAS FROM THE PACIFIC COAST REGION OF NORTH AMERICA—Charles W. Merriam—*Univ. of Calif. Press*, 213 p., 41 pl., \$2.50.

Science News Letter, May 31, 1941

GEOGRAPHY—HISTORY

MANY MEXICOS—Lesley Byrd Simpson—*Putnam*, 336 p., \$3. Selecting significant situations, past and present, which have made lasting impression on Mexico, the author describes and comments. The historic episodes are dramatically told, the author's views regarding them are thought-provoking.

Science News Letter, May 31, 1941

HORTICULTURE

THE COMPLETE BOOK OF GARDEN MAGIC—Roy E. Biles—*J. G. Ferguson, Pub.*, 307 p., illus., \$3. If you are a gardener of one book, this is the book for you. It tells, in clear text and diagrammatic illustration, what to plant, where and when and how to plant it, what tools to use and how to take care of them, how to plan a garden and how to keep records of its progress. Numerous colored plates add to the book's attractiveness.

Science News Letter, May 31, 1941

TECHNOLOGY

MODERN PRACTICE IN LEATHER MANUFACTURE—John Arthur Wilson—*Reinhold*, 744 p., illus., \$9.50. Despite the rise of synthetic material, natural leathers maintain their importance, in connection with normal activities as well as defense. This exhaustive work, prepared with the aid of many authorities, covers in detail all phases of leather technology, theoretical as well as practical.

Science News Letter, May 31, 1941

AERONAUTICS

MODERN FLIGHT—Cloyd P. Clevenger—*Noble and Noble*, 294 p., illus., \$2.95. An aviator since the first World War, with more than a million miles to his credit, Mr. Clevenger writes on the basis of long experience. This book follows each stage of elementary, solo and advanced training, according to the latest C. A. A. recommendations. It tells in simple language how to fly, from the time the student first steps into an airplane until he solos, and on through advanced acrobatics.

Science News Letter, May 31, 1941

ENTOMOLOGY

NEW AND LITTLE KNOWN NEOTROPICAL HISTERIDAE (COLEOPTERA)—Rupert Wenzel and Henry S. Dybas—*Field Museum of Natural History*, 39 p., 40c.

Science News Letter, May 31, 1941

PHYSICS-CHEMISTRY

PHYSICAL CHEMISTRY FOR STUDENTS OF BIOLOGY AND MEDICINE (3rd ed.)—David Ingersoll Hitchcock—*C. C. Thomas*, 264 p., \$3.50. In this, the latest edition of a widely used text-book, several chapters have been rewritten. New is a thorough discussion of the fundamentals of electrochemistry, and eight experiments involving electrochemical measurements have been added.

Science News Letter, May 31, 1941