

•First Glances at New Books

Additional Reviews
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MILITARY SCIENCE

THE ARMED FORCES OF THE PACIFIC—W. D. Puleston—*Yale Univ. Press*, 273 p., \$2.75. The author, formerly director of the U. S. Naval Intelligence Service, is equipped both for obtaining pertinent information and for forming sound opinion. He does not believe that war between the United States and Japan is inevitable, but like a good Navy man is quite prepared for any surprise. He does believe, however, that in the event of such a war the defeat of Japan is inevitable.

Science News Letter, July 12, 1941

MEDICINE—CHEMISTRY

MEDICAL MANUAL OF CHEMICAL WARFARE—*Chemical Pub. Co.*, 119 p., illus., \$2.50. See page 23.

Science News Letter, July 12, 1941

BIOCHEMISTRY

INTRODUCTION TO PHYSICAL BIOCHEMISTRY—J. M. Johlin—*Hoerber*, 231 p., illus., \$2.75. An advanced text, intended for the use of research students in physiology and medicine, by a member of the faculty of Vanderbilt University School of Medicine.

Science News Letter, July 12, 1941

METEOROLOGY—AERONAUTICS

METEOROLOGY FOR PILOTS — B. C. Haynes—*Govt. Print. Off.*, 167 p., illus., maps, 75c, paper; \$1.25, fabrikoid. (Civil Aeronautics Bull. No. 25). A manual of particular usefulness in the vast program of pilot training, in both civil and military fields, that has been undertaken in this country. Essential facts and principles are compactly presented and illustrated with clear diagrams.

Science News Letter, July 12, 1941

MILITARY SCIENCE

ANTI-AIRCRAFT DEFENSE—*Military Service Pub. Co.*, 603 p., charts, illus., \$2. A manual for soldiers engaged in anti-aircraft defense, with full description of matériel, instructions for drill, use in action and care in the field, tables of firing data, organization personnel, etc. This will be the best-thumbed book in all AA training groups.

Science News Letter, July 12, 1941

AGRICULTURE

LAND CLASSIFICATION IN THE UNITED STATES—Report of the Land Committee to the National Resources Planning Board—*Govt. Print. Off.*, 151 p., 60c. This publication is a survey of surveys—an

endeavor to obtain an understanding of all types of land classification that have been undertaken in this country, and to give at least a good general interpretation of results thus far obtained, together with an appreciation of work that remains to be accomplished.

Science News Letter, July 12, 1941

NAVAL SCIENCE

SEA POWER IN THE MACHINE AGE—Bernard Brodie—*Princeton Univ. Press*, 466 p., \$3.75. See page 29.

Science News Letter, July 12, 1941

DENDROLOGY

A GUIDE TO THE TREES—Carlton C. Curtis—*Greenberg*, 208 p., illus., \$1.50. A handy little manual, just the right size to slip in the pocket of a field coat, with leaf-and-fruit sketches of trees most frequently encountered and brief, non-technical descriptions. The workable dichotomous key is also in non-technical English.

Science News Letter, July 12, 1941

MEDICINE

BROADWAY STOMACH—Joseph F. Montague—*Simon and Schuster*, 356 p., illus., \$2. Broadway stomach is defined as a stomach with the jitters. High tension living is given as the cause, and the condition may be minor or serious. Dr. Montague explains clearly how emotions and nerves affect the entire digestive tract and gives much common sense advice, although in a vivid and brisk style not usually associated with common sense, on how to avoid Broadway stomach.

Science News Letter, July 12, 1941

MEDICINE—CHEMISTRY

MANUAL OF CLINICAL CHEMISTRY—Miriam Reiner—*Interscience Pub.*, 296 p., \$3. This manual, elaborated from instructions prepared for internes and laboratory technicians at Mount Sinai Hospital, New York City, includes tests for hormones and vitamins and directions for preparation of house dust and pollen extracts and the like.

Science News Letter, July 12, 1941

MEDICINE

NEUROLOGIC NURSING—Nicholas Gotten and Letitia Wilson—*F. A. Davis*, 195 p., 46 illus., \$3. A textbook for student nurses on a subject which, according to the authors, is generally slighted in the usual nursing courses.

Science News Letter, July 12, 1941

GEOGRAPHY

COLOMBIA, GATEWAY TO SOUTH AMERICA—Kathleen Romoli—*Doubleday, Doran*, 364 p., illus., \$3.50. Another of the pleasant crop of books that are springing up, to enable North Americans to discover South America. Colombia is a land of contrasts, says this author, and she enjoys analyzing for the reader the psychology of various types of Colombians, the past and present of the civilization, and the city-to-jungle variety of the country.

Science News Letter, July 12, 1941

MEDICINE

AN INTRODUCTION TO MEDICAL SCIENCE (2d ed.)—William Boyd—*Lea & Febiger*, 358 p., illus., \$3.50. See page 24.

Science News Letter, July 12, 1941

ANTHROPOLOGY

ANTHROPOLOGICAL PAPERS, No. 13-18—Bureau of American Ethnology—*Govt. Print. Off.*, 368 p., illus., 70c. (Bull. 128). Six monographs on American Indian topics, including Indian mining, Iroquois suicide, and birchbark art of the River Desert Algonquin.

Science News Letter, July 12, 1941

MATHEMATICS—CHEMISTRY

CHEMICAL ARITHMETIC (2d ed.)—Saul B. Arenson—*Wiley*, 130 p., \$1.50. A large collection of problems are here given, along with the methods for their solution. It might be used either with a course in general chemistry, or one specifically on chemical arithmetic.

Science News Letter, July 12, 1941

MATHEMATICS

PARTIAL DIFFERENTIAL EQUATIONS—Frederic H. Miller—*Wiley*, 259 p., \$3. Despite their importance in analysis, geometry and the physical sciences, says the author, partial differential equations are either ignored or dismissed in a chapter or two in most of the texts. Here he supplies a work to eliminate that deficiency.

Science News Letter, July 12, 1941

HYGIENE

EFFECTIVE LIVING—C. E. Turner and Elizabeth McHose—*Mosby*, 432 p., illus., \$1.90. A hygiene textbook for high school students which constantly emphasizes the principles of hygiene as a guide not only to health but to living well.

Science News Letter, July 12, 1941

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METEOROLOGY—GEOLOGY—BOTANY

REPORTS OF THE GREENLAND EXPEDITIONS OF THE UNIVERSITY OF MICHIGAN, Part II, Meteorology, Physiography, and Botany—William Herbert Hobbs, ed.—*University of Michigan Press*, 287 p., 34 pl., \$5. These well-presented descriptive data, obtained by one of the best organized expeditions that has ever studied the frozen sub-continent to the north, will be of special interest, now that Greenland proves to be a key post on the American defense frontier.

Science News Letter, July 12, 1941

PHYSICS

THE SPECIAL THEORY OF RELATIVITY—Herbert Dingle—*Chemical Pub. Co.*, 94 p., \$1.50. Though devoted to the special theory, the last chapter of this interesting little work, by a leading British physicist, discusses the transition to the general theory. Rather surprisingly, one looks in vain in the index among other names, for the one that would seem most likely of all to be there—that of Einstein.

Science News Letter, July 12, 1941

MATHEMATICS

ELEMENTARY FUNCTIONS AND APPLICATIONS (rev. ed.)—Arthur Sullivan Gale and Charles William Watkeys—*Holt*, 409 p., \$2.25. The new edition of a text for a college course for freshmen, involving elementary functions, algebraic and transcendental, and their applications to problems arising in various fields of knowledge.

Science News Letter, July 12, 1941

MATHEMATICS

STATISTICAL CALCULATION FOR BEGINNERS — E. G. Chambers — *Cambridge (Macmillan)*, 110 p., \$2. Statistical methods are useful in many fields, and this little book will do much to spread knowledge of their use. "No assumption of mathematical ability on the part of the reader is made; the calculations described involve the use of arithmetic only," says the author reassuringly.

Science News Letter, July 12, 1941

MEDICINE

MINE EYES HAVE SEEN, A Woman Doctor's Saga—Alfreda Withington—*Dutton*, 311 p., \$3.50. If you like adventure stories and tales of achievement, you want to read this autobiography of a woman doctor whose entire life has been devoted to pioneering in one field after another, from her efforts to gain

a medical education when that was generally denied to women, through experiences with the Grenfell Mission in Labrador and with other missions in France during 1917-1918, to settlement work in the remote Kentucky mountains.

Science News Letter, July 12, 1941

MEDICINE—SOCIOLOGY

MENTAL DISEASE AND SOCIAL WELFARE—Horatio M. Pollock—*State Hospitals Press*, 237 p., \$2. Basing his estimate on reliable statistics and present trends, the author figures that one out of every ten men, women and children in the United States are now, or may expect to be, suffering from mental disease. The magnitude of mental illness as a social problem is evident.

Science News Letter, July 12, 1941

MEDICINE—ECONOMICS

AMERICA ORGANIZES MEDICINE — Michael M. Davis—*Harper*, 335 p., \$3. National defense preparations have to some extent sidetracked discussion of another important national problem, that of providing adequate health and medical care for all classes of the population, though everyone recognizes the importance of health for defense. Dr. Davis' book, which reviews the problem and the many measures suggested for its solution, should stimulate continued interest in the subject and give many readers a new viewpoint from which to consider future proposals for a national plan for health and medical care.

Science News Letter, July 12, 1941

GEOLOGY

THE LAST MILLION YEARS, A History of the Pleistocene in North America—A. P. Coleman; George F. Kay, ed.—*Univ. of Toronto Press*, 216 p., illus., \$3.50. Written by a Canadian, edited by an American, published in Canada, this is a truly international work. It is a popular (but not "written-down") account of the last great Ice Age in North America—a matter of joint interest to Canadians and people in "the States."

Science News Letter, July 12, 1941

GEOLOGY

CALDERAS AND THEIR ORIGIN—Howell Williams—*Univ. of Calif. Press*, 107 p., illus., \$1.25. The author concludes that vast open craters like Kilauea and Aniakchak are formed primarily by undermining and collapse.

Science News Letter, July 12, 1941

EDUCATION

THE NEW PROMETHEUS—Lyman Bryson—*Macmillan*, 107 p., \$1. Prometheus stole fire from the jealous gods and gave it to men. But he did not give to man the knowledge of how to make fire or how to use it for his greatest good. The author envisions the new Promethean enterprise as more than just giving fire to men—they have enough already and fire is dangerous. This enterprise, he says, "is to give men both power and the knowledge of its possible uses for their good. It is to help them from suffering at the hands of those who have knowledge and would use it against them. It is to give common ownership to effective thought and also to the knowledge of what there is in the world worth having, including freedom and how to keep it. The teacher is the friend who makes men free."

Science News Letter, July 12, 1941

NAVAL SCIENCE

SUBMARINES, ADMIRALS AND NAVIES—Colin Mayers—*Associated Publications, Los Angeles*, 280 p., \$3. A British naval officer relates stories, hitherto unpublished, of the role of submarines in the first World War. Many projects were listened to, some of them tried with success, more with unsuccess. However, Comdr. Mayers' zeal for his favorite weapon feeds on the successes and remains undeterred by failures; he foresees great days ahead for submarines.

Science News Letter, July 12, 1941

EDUCATIONAL PERIODICALS

REAL HEROES, No. 1—64 p., colored comics, 10 c. per copy, \$1. for 12 issues. CALLING ALL GIRLS, No. 1—64 p., colored comics, 10 c. per copy, \$1. for 12 issues. To meet the problem of "trashy, lurid 'comic' magazines which boys and girls insist on buying," these publishers have launched three competitive magazines, each playing up the popular comic cartoon art style but providing a wholesome and educational array of thrills and features. "Real Heroes" presents men and women who have faced danger and done hard jobs well, including present day figures as well as those from the past. "Calling All Girls" is for "forgotten" younger girls, and supplements comic art pages with stories, cooking lessons, and varied features. "True Comics" was reviewed in SNL, March 22, 1941.

Science News Letter, July 12, 1941