

• First Glances at New Books

Physics

PHYSICS IN INDUSTRY—Karl T. Compton and others—*American Institute of Physics*, 290 p., \$1.50. In this little volume are collected the major addresses which were presented in October, 1936, at the fifth anniversary of the founding of the American Institute of Physics. Physics is often neglected in a brief and hurried study of modern industries, but some of the ramifications of this "mother" science of the engineering profession are herein described.

Science News Letter, August 14, 1937

Mountaineering

THE ASCENT OF NANDA DEVI—H. W. Tilman—*Cambridge (Macmillan)*, 235 p., illus., \$3.50. Nanda Devi is the highest mountain that has yet been climbed to the top—besides being one of the most beautiful in the Himalayas. Mr. Tilman was one of the two members of the party who reached the summit.

Science News Letter, August 14, 1937

Sociology

PROCEEDINGS, TWENTY-SECOND NATIONAL RECREATION CONGRESS. GENERAL THEME: THE IMPORTANCE OF RECREATION IN MODERN LIFE—*National Recreation Association*, 151 p., \$1.

Science News Letter, August 14, 1937

Physics

A TEXTBOOK OF PHYSICS (5th ed.)—Louis Bevier Spinney—*Macmillan*, 721 p., \$3.75. Fortunately the good things in science go on and on and Prof. Spinney's widely used textbook now goes into a new edition. Obsolete material has been dropped and new topics introduced. More than fifty new figures have been added. Brief mention is made of induced radioactivity and the atom-smashing devices used in the modern studies of nuclear physics.

Science News Letter, August 14, 1937

Physics

DISSOCIATION DE L'EAU EN H⁺ ET OH⁻—H. Hering—*Paris, Hermann & Cie*, 24 p., 10 fr.

Science News Letter, August 14, 1937

Physics

ORIGINS OF CLERK MAXWELL'S ELECTRIC IDEAS, AS DESCRIBED IN FAMILIAR LETTERS TO WILLIAM THOMSON—Sir Joseph Larmor, ed.—*Cambridge (Macmillan)*, 56 p., \$1. Behind the abbreviated, symbolized equations of physics there are often romantic stories and historical events. The present volume concerns a series of letters which Clerk

Maxwell wrote to his friend, William Thomson, during the period when he was groping towards a structural theory of the electric and magnetic field; a theory which put into mathematical form the significant researches of Michael Faraday.

Science News Letter, August 14, 1937

Physics

MECHANICS—William Fogg Osgood—*Macmillan*, 495 p., \$5. Harvard's emeritus professor of mathematics gathers together in this text-book the basic principles of mechanics as he has taught them in more than forty years of university education. Prof. Osgood's texts have always been noted for the ingenuity and cleverness of their problems and the current work is no exception to this long established rule.

Science News Letter, August 14, 1937

Mathematics

THE NEW APPLIED MATHEMATICS (rev. ed.)—Sidney J. Lasley and Myrtle F. Mudd—*Prentice-Hall*, 544 p., illus., \$1.60. The third edition of this high school text, whose authors are on the staff of the Northeast Junior High School of Kansas City, Mo. A chapter on "brain teasers" near the end of the book will furnish enjoyment.

Science News Letter, August 14, 1937

Physics

SCIENCE EXPERIENCES WITH HOME EQUIPMENT—Carleton John Lynde—*International Textbook Co.*, 226 p., illus., \$1.25. The ingenious and interesting science experiments that can be performed in your own home. Dr. Lynde is associated with Columbia University Teachers College in New York City.

Science News Letter, August 14, 1937

Physics

ELASTICITY, PLASTICITY AND STRUCTURE OF MATTER—R. Houwink—*Cambridge (Macmillan)*, 376 p., \$6. An English translation of the comprehensive book by a physicist at the famed Philips Glowlamp Works, Eindhoven, Holland; with a chapter on the plasticity of crystals by W. G. Burgers.

Science News Letter, August 14, 1937

Medicine

SHORT-WAVE DIATHERMY—Tibor de Cholnoky—*Columbia Univ.*, 310 p., \$4. See page 105.

Science News Letter, August 14, 1937

Physics

SOUND WAVES: THEIR SHAPE AND SPEED—Dayton Clarence Miller—*Macmillan*, 164 p., illus., \$2.75. Back in 1900 Prof. Miller set out to try to find the answer to the question of possible changes in the quality of a musical instrument—the flute—when the tube was made from gold or silver or wood. In the intervening years he has studied widely in the field of acoustics and in this book makes his researches available to his fellow scientists.

Science News Letter, August 14, 1937

Education—Psychology

READING INTERESTS, ACTIVITIES, AND OPPORTUNITIES OF BRIGHT, AVERAGE AND DULL CHILDREN—May Lazar—*Teachers College, Columbia Univ.*, 127 p., \$1.60. Mystery stories are favorites. Boys like magazines better than do girls. In the newspaper, the comic section is the most popular; more serious parts are read by the bright children and the "rotogravure" section by the dull. The number of books in the home is some indication of the intelligence of the child. These are among the interesting facts included in this report which should interest parents as well as teachers and librarians.

Science News Letter, August 14, 1937

Psychology

THE ENJOYMENT OF LAUGHTER—Max Eastman—*Simon and Schuster*, 367 p., \$3.50. In formulating his theories of laughter, Max Eastman studied the infant crowing as he is tossed up and caught again. He also sat at the feet of the masters of art of making others laugh—Charlie Chaplin, Will Rogers, Groucho Marx, W. C. Fields, and others like them.

Science News Letter, August 14, 1937

Juvenile Delinquency

DYNAMIC CAUSES OF JUVENILE CRIME—Nathaniel D. M. Hirsch—*Sci-Art*, 250 p., \$3.25. A former director of the Wayne County Clinic for Juvenile Delinquency undertakes to go behind the case records and analyze the causes of crime among the youth.

Science News Letter, August 14, 1937

Child Hygiene

FEEDING BEHAVIOR OF INFANTS—Arnold Gesell and Frances L. Ilg.—*Lippincott*, 201 p., illus., \$4.50. Beautiful photographs add great charm to this scientific study of infant behavior.

Science News Letter, August 14, 1937