

FIRST GLANCES AT NEW BOOKS

MEXICAN IMMIGRATION TO THE UNITED STATES—Manuel Gamio—*Univ. of Chicago Press*, 262 p., \$3. One of Mexico's leading men of science presents an array of facts about the Mexicans who cross our border, either permanently or transiently. The present situation is unsatisfactory, he concludes. Mexicans do not readily become assimilated to American civilization, even if they are naturalized. The influx of temporary Mexican labor, on the other hand, solves some economic problems both for jobless Mexicans and for American employers. Dr. Gamio recommends that, for the good of both Mexico and the United States, steps should be taken to restrict permanent migration. Temporary migration, he feels, is advantageous to both countries, but present methods of dealing with the contract labor reveal much need of improvement. Various specific recommendations are made.

Sociology—Ethnology

Science News-Letter, June 14, 1930

GRASSES OF INDIANA—C. C. Deam—*Dept. of Conservation, Indianapolis*, 356 p., \$2. A well-worked-out flora of Indiana grasses, companion volume to *Trees of Indiana and Shrubs of Indiana* which have already appeared. Each species description is accompanied by a record of distribution and a distribution map. A chapter on *The Grass Plant* by Prof. Paul Weatherwax, who also did the excellent line illustrations, will be especially useful to beginners.

Botany

Science News-Letter, June 14, 1930

YOURSELF, INC.—Adolph Elwyn—*Bretano's*, 320 p., \$3.50. The story of the human body told in an interesting and clear fashion with a number of really explanatory illustrations.

Physiology—Anatomy

Science News-Letter, June 14, 1930

MODERN LIGHTING—Frank C. Caldwell—*Macmillan*, 365 p., \$4.25. A very complete and up-to-date description of a field in which it is hard to keep up with developments. Lighting for factory, home, street, auditorium, skyscraper, window display, and moving picture projection—all affecting the individual many times every day—are adequately taken up.

Illuminating Engineering

Science News-Letter, June 14, 1930

X-RAY TECHNOLOGY—H. M. Terrill and D. T. Ulrey—*Van Nostrand*, 256 p., \$4.50. The book is designed to give the practical aspects of X-ray measurements. Particular attention is given to the quantitative measurements used in giving X-ray treatments and in industrial work.

Roentgenology

Science News-Letter, June 14, 1930

THE PROTEASES OF PLANTS—S. H. Vines—*Macmillan*, 32 p., 1s. A discussion of some controversial points regarding the protein-digesting enzymes found in plants.

Plant Physiology

Science News-Letter, June 14, 1930

BEARING METALS AND BEARINGS—W. M. Corse—*Chemical Catalog Company*, 374 p., \$7. Love may make the world go round, but it turns in bearings. The easier the world turns in its bearings, the more efficient our whole machine age becomes. Thus the importance of this compendium of bearing history and literature might be indicated. It represents the coordination of practically all available knowledge upon the topic.

Metallurgy

Science News-Letter, June 14, 1930

CLASSROOM GUIDE TO THE BOOK OF KNOWLEDGE—Editor-in-Chief Ellis C. Persing—*Grolier Society*, 591 p., \$4. Outlines of 500 well-planned units in geography, history, biology, poetry, stories, art, health, science, character education, and reading. Each lesson contains an outline of facts to be developed by the teacher, a set of questions, suggested procedure for the lesson, suggestions for picture study and for further reading. The material on which the lessons are based and the supplementary reading are in the twenty volumes of the "Book of Knowledge" to which page references are given. The teacher may use the book alone, however, as an aid in planning lessons and outlining questions. The lesson units range from material suitable for primary grades up through high school.

Education

Science News-Letter, June 14, 1930

THE ECONOMICS OF FORESTRY—W. E. Hiley—*Oxford Press*, 256 p., \$7. An exhaustive and thoroughgoing reference book that will be useful both to teachers of forestry and to forestry executives.

Forestry

Science News-Letter, June 14, 1930

LATEX—Ernest A. Hauser—*Chemical Catalog Company*, 191 p., \$4. "Excavations carried out by Dr. Gann and his associates during the past few years have disclosed a Maya civilization in British Honduras which dates from the eleventh century. Among the discoveries was a recreation field in the form of an arena where the favorite game of the Maya Indians was played. It consisted in throwing a rubber ball of approximately the size of a basketball through a stone ring fixed vertically in the wall of the arena. Whoever succeeded in shooting a goal received as a prize the cloaks of all the audience which sometimes amounted to 3000 or 4000." This paragraph is from the first chapter of a book which largely recounts neglected portions of the history of rubber. As its title indicates it is devoted primarily to rubber in its native state, as latex.

Chemistry

Science News-Letter, June 14, 1930

BIRD STUDY IN FLORIDA—R. J. Longstreet—*Halifax River Bird Club, Daytona Beach*, 183 p., cl., \$1.35; pa., \$1.75. The president of the Florida Audubon Society has done a service not only to his fellow Floridians but also to all bird lovers who come among the throngs of visitors to Florida, a state blessed far above the average with a wealth of bird life, much of it unfamiliar to most of us, the more fascinating because of its unfamiliarity.

Ornithology

Science News-Letter, June 14, 1930

METALLURGY OF WHITE METAL SCRAP AND RESIDUES—Edmund Richard Thews—*Van Nostrand*, 375 p., \$5.50. American metallurgists are turning their attention to the saving of 29 per cent. waste in the metal trades. This text, possibly the first of its kind, describes the mechanical, chemical and metallurgical treatment of metallic scraps and residue of the white metals.

Metallurgy

Science News-Letter, June 14, 1930

FLORA OF THE INDIANA DUNES—D. C. Peattie—*Field Museum*, 432 p., \$2. An addition to the local-flora literature that should prove very useful in the Chicago area. It is illustrated with a number of good halftone plates.

Botany

Science News-Letter, June 14, 1930

First Glances at New Books—Continued

THEATRE LIGHTING—Louis Hartmann—*Appleton*, 131 p., \$2. This is the story of the man who does not bow to applause before the footlights, yet he makes the footlights themselves and the many other bewildering effects of modern theatre lighting, which are essential to the success of present day productions. David Belasco has paid him tribute for 28 seasons in the following line on the programs of his plays: "Electrical effects by Louis Hartmann." Like many who claim they cannot write but have undoubted enthusiasm and love for their work, Mr. Hartmann has written a very interesting story. It concerns the past 30 years of stage lighting.

Illuminating Engineering
Science News-Letter, June 14, 1930

REPORT OF THE COMMITTEE ON SEDIMENTATION, 1928-1930—*National Research Council*, 122 p., \$1. The researches and collations of the Committee on Sedimentation may well be termed "current geology." They will be interesting and useful to those who are interested in the economic aspects of the deposition of solid burdens by water, as well as by those who are more concerned with "straight geology."

Geology
Science News-Letter, June 14, 1930

THE DEVELOPMENT OF THE VEGETATION OF NEW YORK STATE—William L. Bray—*N. Y. State Coll. of Forestry*, 189 p., gratis. The usefulness of this publication to ecologists, plant geographers and botanists generally is attested by the fact that it has now entered a second edition.

Plant Ecology
Science News-Letter, June 14, 1930

AUDEL'S NEW ELECTRIC LIBRARY—*Theo. Audel & Co.*, 7 volumes, 3,630 p., \$10.50. Unusually well-illustrated, practical handbooks of electricity. Five more volumes to be published will include such recently developed fields as talking picture, illumination, refrigeration, and farm appliances.

Electricity
Science News-Letter, June 14, 1930

THE STUDY OF BIRDS—E. M. Nicholson—*Cope and Smith*, 125 p., 60c. A compact little book dealing mostly with methods of procedure for the beginner in field ornithology. Although written mainly with reference to British conditions, it will yield material of value to American bird students.

Ornithology
Science News-Letter, June 14, 1930

THE NEST—Henrietta C. Barr and Mina P. Drew—*Marshall Jones*, 58 p., \$1. Elements of ornithology for first-graders, cleverly illustrated with cut-out silhouettes in black and white. It tells the story of a bird's nest from the building and egg-laying in the spring to the desertion and the coming of snow in the autumn, with a side-lesson in kindness to helpless young birds thrown in for good measure.

Nature Study
Science News-Letter, June 14, 1930

ADVANCED MATHEMATICS FOR STUDENTS OF PHYSICS AND ENGINEERING—D. Humphrey—*Oxford University Press*, 172 p., \$4.25. Pure mathematics in contrast with practical mathematics. The author aims to give the student "manipulative skill" which he says can be readily applied when practical problems occur.

Mathematics
Science News-Letter, June 14, 1930

THE STRUCTURE OF LINE SPECTRA—Linus Pauling and Samuel Goudsmit—*McGraw-Hill*, 263 p., \$3.50. No field of modern physics is more important than spectroscopy. Through their light, atoms fly their unmistakable flags and show their colors. In the spectrum lines scientists read the intricate story of the constitution of matter and the way that it is put together. This volume in the International Series In Physics emanating from the California Institute of Technology and the University of Michigan brings up-to-date the theoretical background of the principles governing the structure of line spectra, and experimental data is introduced only as illustrative examples.

Physics
Science News-Letter, June 14, 1930

THE GROWING BOY—Paul Hanly Furfey, 192 p., \$2. Deals chiefly with the development of personality in boys between their sixth and sixteenth years. These growing years, which have been rather neglected by science in the rush to explain the pre-school child, have been studied by Dr. Furfey through clinical observations and case histories and through use of objective tests. The changes in boys' interests, attitudes, and capacities as they advance in years are very clearly and simply shown, so that the book should be useful to teachers, scout leaders, and parents, as well as to specialists in child development.

Psychology
Science News-Letter, June 14, 1930

KRUPP—ed. by Wilhelm Berdrow, transl. by E. W. Dicks—*Dial Press*, 416 p., \$5. An astonishing share of the history of Germany from 1826, when she was barely raising her neck from the weight of the Napoleonic heel, to 1887, when she was preparing to challenge the world in the fields of industry and war, is contained in this collection of the letters of this one man, who even more than her kings and chancellors wrought toward the greatness of *Deutschtum*.

Biography
Science News-Letter, June 14, 1930

PROCEEDINGS OF THE NINTH ANNUAL MEETING OF THE HIGHWAY RESEARCH BOARD—Roy W. Crum (editor)—*National Research Council*, 403 p., \$2. The basic material for better roads in America is not so much the subgrade of stone or concrete that underlies the actual highways as the scientific researches conducted in order that engineers may know how to build better and more economical highways for America's automobiles and trucks. One of the principal coordinating agencies for highway research is the Highway Research Board organized under the National Research Council. Its annual meetings and the volumes of proceedings that result are fundamental contributions to the literature of highway engineering.

Highway Engineering
Science News-Letter, June 14, 1930

THIS NEW AGE—Sarah McLean Mullen and Muriel Simpson Lanz—*Century*, 322 p., \$1.12. A textbook intended to infuse into the young student some of the spirit of the "wonderful age in which we are living." The four sections are devoted to getting material, conquering distance, giving wings to the world and looking forward. Adult readers will be worried by the questions and comprehension tests that follow each chapter and the schoolroom flavor.

General Science
Science News-Letter, June 14, 1930

MEN WHO FOUND OUT—Amabel Williams-Ellis—*Coward McCann*, 259 p., \$2. These lively hero stories of scientific research originally told to the author's own inquisitive children on English country weekends, give vivid pictures of Galileo, Harvey, Van Leeuwenhoek, Faraday, Darwin, Pasteur, Lister, Madame Curie and a few other historical personages.

General Science
Science News-Letter, June 14, 1930