# •First Glances at New Books

PHYSIOLOGY

YOUR HEART—Joseph M. Stein—*Alliance Book Corp.*, 240 p., $2.75. Dr. Stein brings a message of hope for laymen who worry about their hearts. Sensible eating, proper rest, prompt consultation of a physician when early danger signals occur, and avoidance of worry, will save most people the tragedy of "heart trouble". In brief, the book tells in general terms "how to live with your heart." There is a useful chapter on possible occupations for heart patients.

*Science News Service, December 13, 1941*

LANGUAGE

CONVERSATIONAL SPANISH FOR ARMY AIR FORCES OF THE UNITED STATES—Solomon Lipp and Henry V. Besso—*Hastings House,* 168 p., 75c. See page 374.

*Science News Service, December 13, 1941*

ZOOLOGY

A REVISION OF THE STREPSIPTERA WITH SPECIAL REFERENCE TO THE SPECIES OF NORTH AMERICA—Richard M. Bohart—*Univ. of Calif. Press,* 65 p., 75c.

*Science News Service, December 13, 1941*

GENERAL SCIENCE

ANNUAL REPORT OF THE BOARD OF REGENTS OF THE SMITHSONIAN INSTITUTION, 1940— Smithsonian Institution—*Govt. Print. Off.,* 512 p., $1.50. The appendix contains 24 selected monographs on varied science topics of interest, including "Insects and the spread of plant diseases", "Animal Behavior", "Stonehenge: Today and Yesterday", and "The Future of Flying".

*Science News Service, December 13, 1941*

CHEMISTRY

THE PHOTOCHEMISTRY OF GASES—William Albert Noyes, Jr., and Philip Albert Leighton—*Reinhold,* 475 p., illus., $10. This monograph is a survey of the available knowledge in the field of photochemistry of gases, presented in a manner intelligible to chemists in other fields and useful to chemists working in the same field. Suggestions for future research are made. Appendices present the data in tabular form and include an extensive bibliography.

*Science News Service, December 13, 1941*

MATHEMATICS

THE CALCULUS OF EXTENSION—Henry George Forder; including examples by Robert William Genese — *Cambridge (Macmillan),* 490 p., $6.75. This work is based on Grassmann's Ausdehnungslehre. Geometrical theorems are expressed not in terms of coordinates but in terms of the geometric entities themselves. The method does for geometry what vector analysis does for physics.

*Science News Service, December 13, 1941*

CHEMISTRY

LABORATORY MANUAL FOR INTRODUCTORY COLLEGE CHEMISTRY—Joseph A. Babor and Alexander Lehrman—*Crowell,* 276 p., $1.75. The experiments in this manual follow the order of subjects in the Introductory College Chemistry by the same authors. More experiments are included than could be used in one course so that a choice can be made to suit the various requirements of different colleges.

*Science News Letter, December 13, 1941*

CHEMISTRY

CHEMISTRY KINETICS AND NATURAL PRODUCTS—W. Albert Noyes, Jr., Hugh S. Taylor and Walter A. Jacobs—*Univ. of Penn. Press,* 41 p., 50c. The subjects discussed are: The Photochemistry, Fluorescence, and Spectroscopy of Certain Polyatomic Molecules; The Kinetics of Contact Catalysts; The Chemistry of the Ergot Alkaloids.

*Science News Service, December 13, 1941*

AERONAUTICS

MACHINE TOOLS IN AIRCRAFT PRODUCTION—R. R. Nolan—*Pitman,* 158 p., illus., $1.50. The young man interested in the mechanical details of airplane construction will find this little book useful in getting acquainted with airplane machine tools, their theory and use.

*Science News Service, December 13, 1941*

CHEMISTRY

DIFFUSION IN AND THROUGH SOLIDS—Richard M. Barrer—*Macmillan,* 464 p., $6.50. The movement of material particles through a solid is studied in this work theoretically and experimentally and with reference to practical applications. Lists of permeability and diffusion constants are given for ready reference.

*Science News Service, December 13, 1941*

ASTRONOMY

THE MORNING STAR RISES, An Account of Polynesian Astronomy—Maud Worcester Makemson—*Yale Univ. Press,* 301 p., $5. The poetical myths and cosmical ideas of the Polynesians are given in this book as well as what they knew about astronomy, their method of navigation, by which they made some quite astonishing voyages, and their calendar.

*Science News Service, December 13, 1941*

AERONAUTICS

BOMBER COMMAND—The Air Ministry Account of the Bomber Command's Offensive Against the Axis—*Doubleday, Doran,* 128 p., illus., $1. An interesting and beautifully illustrated account of what England's airplanes did to the enemy and how they were instrumental in preventing an invasion.

*Science News Service, December 13, 1941*

CLIMATOLOGY—AGRICULTURE

CLIMATE AND MAN, Yearbook of Agriculture, 1941—U. S. Dep't. of Agriculture—*Govt. Print. Off.* 1248 p., illus., $1.75. See page 382.

*Science News Letter, December 13, 1941*

TECHNOLOGY

RUBBER'S GOODYEAR, The Story of a Man's Perseverance—Adolph C. Regli—*Messner,* 248 p., $2.50. This is an exciting account of the life of Charles Goodyear and his invention of the vulcanizing process, of his many set-backs, bankruptcies, and even some prison sentences.

*Science News Service, December 13, 1941*

PHYSICS

ELECTRICITY AND MAGNETISM, Theory and Applications (rev. ed.)— Norman E. Gilbert—*Macmillan,* 585 p., $4.50. This revised edition contains a new chapter on the Theory of Dielectrics, added material on electronics and electron tubes and a new set of problems.

*Science News Service, December 13, 1941*

AERONAUTICS

33 LESSONS IN FLYING—Jay D. Blaufox — *Coward-McCann,* 319 p., illus., $2.50. Practical hints and short cuts to the potential pilot from a former lieutenant in the Royal Air Force are given in these "Lessons." Written in conversational form, they follow closely the procedure recommended by the Civil Aeronautics Administration and form a supplementary manual to actual flight instruction in an airplane.

*Science News Service, December 13, 1941*

PHYSICS

ELECTRONICS — Jacob Millman and Samuel Seely—*McGraw-Hill,* 721 p., $5. This comprehensive text is suitable either for courses that lay emphasis on the fundamental theory or for courses where the emphasis is on technical and engineering applications of electronic devices. Radio-frequency amplifiers and other devices connected with radio communications are omitted because these, the authors state, are usually the subject of another course.

*Science News Service, December 13, 1941*