

• First Glances at New Books

Exploration

LIFE ON AN ICE FLOE—Ivan Papanin—*Messner*, 300 p., \$2.50. This is an English translation of Ivan Papanin's diary, an epic account of one of the most important explorations of modern times. Indications of the mass of data of scientific interest gathered by Papanin and his three companions throughout their drift on an ice floe during the long Polar night and the beginning of the Polar day are scattered through this simply written document.

Science News Letter, May 13, 1939

Electrical Engineering

THE DISEASES OF ELECTRICAL MACHINERY—G. W. Stubbings—*Chemical Pub. Co.*, 219 p., \$3. A textbook for the electrician, apprentice and power plant engineer on what goes wrong with electrical machinery, why, and how to rectify it.

Science News Letter, May 13, 1939

Psychology

CAST OUT YOUR DEVILS—Alfred M. Uhler—*Stackpole*, 302 p., \$2. A popular book intended to aid the layman to achieve mental health and happiness. The author is an associate of David Seabury, also a popular writer on psychology.

Science News Letter, May 13, 1939

Psychiatry

OUTLINE OF PSYCHIATRIC CASE-STUDY—Paul W. Preu—*Hoerber*, 140 p., \$1.85. Intended as a manual for psychiatry students, this book is very informative and should be valuable to physicians, guidance officers and all those who deal with mental adjustment problems.

Science News Letter, May 13, 1939

Sociology

METROPOLIS, A STUDY OF URBAN COMMUNITIES—Howard Woolston—*Appleton-Century*, 325 p., \$2.75. A study of the city from many angles—political, social, psychological. The book is intended as a text for students of sociology, but undoubtedly has a much broader field of interest. The author is professor of sociology at the University of Washington.

Science News Letter, May 13, 1939

Physics

THE DECLINE OF MECHANISM (IN MODERN PHYSICS)—A. d'Abro—*Van Nostrand*, 982 p., \$10. The historical development of physical theories is reviewed from their beginnings to the modern quantum theory, with emphasis on Heisenberg's Principle of Uncertainty and on reasons for abandoning mechanical interpretations for thinking

in physics. Background is provided in mathematics, in natural philosophy and in physics itself.

Science News Letter, May 13, 1939

Photography

THE MINIATURE CAMERA IN PROFESSIONAL HANDS—Remie Lohse—*Studio*, 119 p., \$1.50. This book proves that the miniature camera can produce photographs containing as delicate gradations as are found in photographs made with larger cameras, but with the spark of spontaneity added.

Science News Letter, May 13, 1939

History

DRAKE'S PLATE OF BRASS AUTHENTICATED—Colin G. Fink and E. P. Polushkin—*California Historical Society*, 28 p., illus., cloth, \$2.75; paper, \$2. See SNL, May 6, page 279.

Science News Letter, May 13, 1939

Medicine

MEDICAL VOCABULARY—English, German, French, Italian and Spanish—Joseph S. F. Marie—*Blakiston's*, 358 p., \$3. Useful to those who may have to address a foreign audience on medical matters or, as in case of war, to communicate with non-English-speaking doctors or nurses. The book translates from English to the other languages, but does not give the English for foreign terms.

Science News Letter, May 13, 1939

Biography—Bacteriology

WIDE ROAD AHEAD, The Story of a Woman Bacteriologist—Anne B. Fisher—*Dutton*, 276 p., \$2.50. Those who like medically flavored novels will doubtless enjoy this one.

Science News Letter, May 13, 1939

Aeronautics

THE STORY OF AIRCRAFT—Chelsea Fraser—*Crowell*, 515 p., \$2.50. A revised and up-to-date edition of one of the standard popular works on the history of aviation.

Science News Letter, May 13, 1939

Engineering

ENGINEERING'S PART IN THE DEVELOPMENT OF CIVILIZATION—Dugald C. Jackson—*Amer. Soc. Mech. Eng.*, 114 p., \$1.55. The text of six lectures by Prof. Jackson of the Massachusetts Institute of Technology, delivered a little more than a year ago at the University of North Carolina State College of Agriculture and Engineering. The role of engineering from earliest times to the present is surveyed. A preface is by George A. Stetson.

Science News Letter, May 13, 1939

Physics

INTRODUCTION TO CONTEMPORARY PHYSICS—Karl K. Darrow—*Van Nostrand*, 648 p., \$7. Dr. Darrow has now revised his well-known book. The growth of physics in 13 short years is astounding. Dr. Darrow covers new developments: Electron diffraction, the discovery of neutrons, positrons, mesotrons, artificial radioactivity and the new nuclear physics.

Science News Letter, May 13, 1939

Botany

PLANTS OF IOWA (5th ed. of the Grinnell Flora)—Henry S. Conard—*Published by author*, 95 p., 50 c. The vascular plants found in Iowa "keyed out" for the convenience of botanists. This small but highly workable manual, designed originally for use at Grinnell College, has been expanded in response to a general demand in its region.

Science News Letter, May 13, 1939

Mathematics

ELEMENTARY MATRICES, AND SOME APPLICATIONS TO DYNAMICS AND DIFFERENTIAL EQUATIONS—R. A. Frazer, W. J. Duncan, and A. R. Collar—*Cambridge*, 416 p., \$8.50. This volume develops the subject with special reference to its application to differential equations and classical mechanics. No previous knowledge of matrices is assumed.

Science News Letter, May 13, 1939

Psychology

THE PSYCHOLOGY OF MAKING LIFE INTERESTING—Wendell White—*Macmillan*, 215 p., \$2.50. Dr. White, who teaches psychology at the University of Minnesota, believes that variety is truly the spice that makes life interesting. He urges variety by adopting new hobbies, by changing your clothes, moving the furniture around, making new friends and by seeking solitude for a change—even by avoiding monotony in your speech.

Science News Letter, May 13, 1939

Psychology

IT'S NICE TO KNOW PEOPLE LIKE YOU—Harry Walker Hepner—*Appleton*, 172 p., \$1.50. This book is intended to help college students and business employees to develop social skills. The author, who is on the staff of the vocational psychometric laboratory of Syracuse University, hopes to overcome your shyness by telling you what to talk about to strangers, how to give compliments and how to put other people at ease.

Science News Letter, May 13, 1939