

# Books of the Week

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THE ARMY AIR FORCES IN WORLD WAR II, VOL. II: Europe—Torch to Pointblank (August 1942 to December 1943)—W. F. Craven and J. L. Cate, Eds.—*University of Chicago Press*, 896 p., illus., \$6.00. This volume, the second of seven compiled for the Army Air Forces, deals with the early phases of the air warfare in North Africa, Sicily, Italy, other occupied countries, and Germany.

BIOMETRICAL GENETICS: The Study of Continuous Variation—K. Mather—*Dover*, 158 p., illus., \$3.50. Based on the use of measurements, this book presents the kind of evidence upon which the genetic theory of continuous variation rests. For those who already have some knowledge of genetics and statistics.

BIRDS OF CONCORD—Ludlow Griscom—*Harvard University Press*, 340 p., illus., \$5.00. Based on a half century of bird notes by members of the Nuttall Ornithological Club and showing the effects of civilization on bird populations. For the nature lover and the ornithologist.

BITUMINOUS COAL: Facts and Figures—*Bituminous Coal Institute*, 148 p., illus., paper, 60 cents. Covers mining, distribution and consumption.

BOYS WANT TO KNOW—Jacob A. Goldberg—*New York Tuberculosis and Health Association*, 12 p., paper, free upon request to publisher, Social Hygiene Committee, 386 Fourth Avenue, New York 17, N. Y. (A stamped addressed envelope must be enclosed). This booklet answers a few of the questions which teen-age boys might ask about social adjustment, sex, and physical and mental health.

THE COMPLETE BOOK OF POTTERY MAKING—John B. Kenny—*Greenberg*, 242 p., illus., \$7.50. Includes the fundamentals of the artcraft as well as the highly technical skills.

ECONOMIC AND SOCIAL PROBLEMS IN THE UNITED NATIONS: World Food Problems—*Department of State*, 7 p., paper, free upon request to *Office of Public Affairs*, U. S. Dept. of State, Washington 25, D. C. Correction. (See SNL, June 4.)

ELECTRIC RESISTANCE STRAIN GAUGES—W. B. Dobie and P. C. G. Isaac—*English Universities Press* (Distributed in this country by *Macmillan*.) 114 p., illus., \$3.50. A description for engineers, of gauge techniques and applications from weighing aircraft to estimating stresses in the brain of a dog. Of British origin.

GENERAL CHEMISTRY—A. W. Laubengayer—*Reinhart*, 528 p., illus., \$4.25. A first-year college text for those who desire to go on in chemistry or related fields.

GEOMETRY, VOL. II: Elementary Mathematics from an Advanced Standpoint—Felix Klein—*Dover*, 214 p., illus., \$2.95. For advanced students and teachers.

HOME STUDY BLUE BOOK—J. S. Noffsinger—*National Home Study Council*, 32 p., illus., paper, free upon request to publisher, 839 17th Street, N. W., Washington, D. C. Includes

a directory of approved home study schools and courses.

HYDROLOGY—Oscar E. Meinzer, Ed.—*Dover*, 712 p., illus., \$4.95. One of a series of books prepared by the National Research Council to give the non-specialist reader a summary of knowledge in the earth sciences. This has to do with rain, snow, drought and food and the water on the earth in general.

THE INCANDESCENT LIGHT—A Review of Its Invention and Application—*Thomas Alva Edison Foundation*, 76 p., illus., paper, 70 cents. The first in a series which will cover the most important inventions of Edison based on about 2500 notebooks left by him. Foreword by Charles F. Kettering.

INDIVIDUAL BEHAVIOR: A New Frame of Reference for Psychology—Donald Snygg and Arthur W. Combs—*Harper*, 386 p., \$3.50. Correction. (See SNL June 11.)

INTRODUCTION TO THE THEORY OF FOURIER'S SERIES AND INTEGRALS—H. S. Carslaw—*Dover*, 3rd. rev. ed., 368 p., illus., \$3.95. A large number of corrections included since the last printing.

JAMES WATT AND THE HISTORY OF STEAM POWER—Ivor A. Hart—*Schuman*, 250 p., illus., \$4.00. A biography of the great 18th-century Scotch engineer and an account of his contribution to the history of human progress.

MAGNETIC RECORDING—S. J. Begun—*Murray Hill*, 242 p., illus., \$5.00. Brings together full and accurate information on this electronic development.

MATHEMATICAL FOUNDATIONS OF STATISTICAL MECHANICS—A. I. Khinchin; translated from the Russian by G. Gamow—*Dover*, 179 p., illus., \$2.95. New material included in this book is the systematic use of limit theorems of the theory of probability for rigorous proofs of asymptotic formulas without any special analytic apparatus. Primarily for the mathematician.

MEDICINE ON THE MARCH: A Progress Report—Marguerite Clark—*Funk & Wagnalls*, 308 p., \$3.50. A review of the advances of the five-year war period as they have been reported in authoritative medical literature, government reports, papers read at medical meetings.

MICRO-WAVES AND WAVE GUIDES—H. M. Barlow—*Dover*, 122 p., illus., \$1.95. A complete survey of this field written for the engineer and physicist by a leading authority.

MODERN PLASTICS ENCYCLOPEDIA—Gordon M. Kline, Editorial Director—*Plastics Catalogue Corporation*, 1371 p., illus., \$5.00. A standard reference work designed as a working guide to all phases of plastics planning and production.

MOLECULAR INTERACTION—Roy Waldo Miner and Paul Lenihan, Eds.—*The New York Academy of Sciences*, 851 p., illus., \$4.00. The results of a Conference held by the Section of Physics and Chemistry on April 9 and 10, 1948.

MOST OFTEN NEEDED 1949 TELEVISION SERVICING INFORMATION—M. N. Beitman—*Supreme Publications*, 192 p., illus., paper, \$3.00. Factory data on popular and interesting sets of the more important manufacturers. Many diagrams.

PRE-MEDICAL PHYSICAL CHEMISTRY—F. A. Matsen, Jack Myers, and Norman Hackerman—*Macmillan*, 344 p., illus., \$4.75. Presupposes knowledge of general chemistry, analytical chemistry, physics and mathematics.

THE SKIN PROBLEM FACING YOUNG MEN AND WOMEN—Herbert Lawrence—*Timely Publications*, 70 p., paper, \$1.50. An explanation for the layman of this common teen-age problem.

TELEPHONE AND TELEGRAPH: A Public Primer about Wire, Cable, and Radio Common Carriers . . . Their Development, Operation, and Regulation—Federal Communications Commission—*Gov't Printing Office*, 29 p., paper, 10 cents.

Science News Letter, July 2, 1949

## WILDLIFE

### Chipmunks Have Definite Ranges for Food-Gathering

WESTERN chipmunks have definitely established ranges where they exercise exclusive food-gathering rights, Harold E. Broadbooks of the University of Michigan told members of the American Society of Mammalogists in Washington. For females, the home range has an average extent of 2.36 acres; for males, 3.8 acres. The range area tends to be larger in summer than in spring or fall.

Mr. Broadbooks learned where these little animals consider themselves "at home" by live-trapping them on a 42-acre tract in a yellow pine forest, and marking them with dye so that he would know them when he saw them again. He noticed that all ranges overlapped, but that the extent of the overlap of any one individual was always small.

Chipmunks captured and carried as much as a mile from their ranges found their way home again.

Science News Letter, July 2, 1949

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