

• First Glances at New Books

Additional Reviews
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Public Health

GUIDING PRINCIPLES FOR STUDIES ON THE NUTRITION OF POPULATIONS—E. J. Bigwood—*Columbia Univ. Press*, 281 p., \$1.50. (League of Nations, Health Organisation) One of the great and permanent benefits from the League of Nations is its attack upon the hunger, unmistakable and hidden, that afflicts the world. In a time when butter is sacrificed to bullets, when food surpluses worry some parts of the world while near famine stalks other areas a few hours away by airplane, fundamental, scientific knowledge is necessary for use when and if anything can be done about the situation. This volume follows up the more sensational findings of the League's commission on nutrition, telling how to assay the state of nutrition from various standpoints.

Science News Letter, September 2, 1939

Sociology

MIGRATION AND ENVIRONMENT—H. L. Shapiro—*Oxford*, 594 p., \$7.50. See page 153.

Science News Letter, September 2, 1939

Astronomy

THE SUNSPOT PERIOD—H. Helm Glayton—*Gov't Print. Off.*, 18 p., 10c. (Smithsonian Miscellaneous Collections, vol. 98, no. 2) Analysis of sunspot cycles in terms of departures from normal pressure over the earth's surface and forecasts of the dates of maxima and minima of sunspots and the intensities of the maxima.

Science News Letter, September 2, 1939

Chemistry

TRANSACTIONS OF THE INSTITUTION OF CHEMICAL ENGINEERS, Vol. 16, 1938—*Institution of Chemical Engineers, London*—250 p., 21s.

Science News Letter, September 2, 1939

Chemistry

INTRODUCTION TO ORGANIC CHEMISTRY—Hippolyte Gruener and Herman P. Lankelma—*American Book Co.*, 533 p., \$3. Organic chemistry as taught at Western Reserve for students of a liberal arts college.

Science News Letter, September 2, 1939

Chemistry

INDUSTRIAL SOLVENTS—Ibert Mellan—*Reinhold*, 480 p., \$11. A mere quarter of a century ago very few solvents were used by industry. Now there are over a hundred major chemical solvents, 1,600,000,000 pounds annually. Hydrocarbons, alcohols, aldehydes, acids, ketones, ethers, esters are used in varnishes,

paints, insecticides, for dry cleaning clothes, as plasticizer, in rubber industries, in making liquids wetter and more penetrating, etc. With faster drying paints, varnishes and lacquers, made possible by new solvents, "the familiar sign 'Fresh Paint' will soon be relegated to the past like the wooden Indian of cigar stores." Forecast: It is entirely possible that some unknown or unheralded solvent may some day bring about far-reaching changes in the industries.

Science News Letter, September 2, 1939

Physiology

SLEEP AND WAKEFULNESS—Nathaniel Kleitman—*Univ. of Chicago Press*, 638 p., \$5. Studies of normal and abnormal sleep, ending with the author's own "evolutionary theory of sleep and wakefulness" which, as he suggests, does not settle the problem of sleep but gives scientists another problem to solve. Too technical for lay reading.

Science News Letter, September 2, 1939

Medicine

MALARIA IN PANAMA—James Stevens Simmons, George R. Callender, D. P. Curry, Seymour C. Schwartz and Raymond Randall—*Johns Hopkins Press*, 326 p., \$1.10. Specialists in public health and tropical diseases will welcome this discussion of malaria, past and present, in Panama.

Science News Letter, September 2, 1939

Bacteriology

MAN AGAINST MICROBE—Joseph W. Bigger—*Macmillan*, 304 p., \$2.50. This non-technical and authoritative book was written for the layman by the professor of bacteriology and preventive medicine at Trinity College, University of Dublin. While clear enough to the thoughtful reader, and reflecting the author's enthusiasm for his chosen field, the book may disappoint American readers accustomed to a more exciting and dramatic style in popular books on science.

Science News Letter, September 2, 1939

Anthropology

CULTURAL RELATIONS ON THE KANSU-TIBETAN BORDER—Robert B. Ekvall—*Univ. of Chicago Press*, 87 p., \$1.50. Chinese, Moslems, and Tibetans are the outstanding groups inhabiting this little-known borderland of China and Tibet. The writer, who was born there and has spent much of his boyhood working among the people, analyzes the part played by different groups in the life of the region.

Science News Letter, September 2, 1939

Geography

I KNOW AN ISLAND—R. M. Lockley—*Appleton-Century*, 300 p., \$3. The Orkneys, the Faroes, the Blaskets, and many others that fringe the larger islands and peninsulas of northwestern Europe, where seabirds find haven and where men of the Celtic race find life hard but free, described and pictured by one who loves the islands and the seas that surge around them.

Science News Letter, September 2, 1939

Photography

AMERICAN CINEMATOGRAPHER HAND BOOK AND REFERENCE GUIDE (3d. ed.)—Jackson J. Rose, comp.—*American Society of Cinematographers*, 218 p., \$3. A reference book of convenient pocket size for the professional or advanced amateur.

Science News Letter, September 2, 1939

Biography

AMERICAN WOMEN, Vol. III, 1939-40—Durward Howes, ed.—*American Publications*, 1083 p., \$10. A biographical listing of 10,222 notable American women, including more than 1,200 scientists and teachers of the sciences and one Nobel prize winner.

Science News Letter, September 2, 1939

Library Science

BASIC REFERENCE BOOKS, 2nd. ed.—Louis Shores—*American Library Association*, 472 p., \$4.25. "An introduction to the evaluation, study, and use of reference materials with special emphasis on some 300 titles", by the director of library school and instructor in reference at the George Peabody College for Teachers. A 31-page bibliography selects important books for a "Core Collection".

Science News Letter, September 2, 1939

Medicine

TUBERCULOSIS AND SOCIAL CONDITIONS IN ENGLAND, With Special Reference to Young Adults—P. D'Arcy Hart and G. Payling Wright—*National Association for the Prevention of Tuberculosis, London*, 165 p., 3s.

Science News Letter, September 2, 1939

Geography

METROPOLIS, A Study of New York—Mary Field Parton—*Longmans, Green*, 191 p., \$2. A guidebook in a new and informal manner, written for boys and girls. It tells how to get to New York's interesting places and what to do and observe when you get there. An unusual feature is the emphasis on factories that may be toured.

Science News Letter, September 2, 1939

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Additional Reviews

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Public Health

MAN AND HIS HEALTH—*American Museum of Health, Inc.*—96 p., 50c. The Hall of Man at the N. Y. World's Fair attracts one of the largest crowds visiting the World of Tomorrow. This is a handbook to the excellent array of exhibits there. But is more than that, being a preview of the American Museum of Health that will come into existence after the Fair as a permanent exhibition devoted to medicine and health.

Science News Letter, September 2, 1939

Psychology

HEREDITARY AND ENVIRONMENTAL FACTORS IN THE CAUSATION OF MANIC-DEPRESSIVE PSYCHOSES AND DEMENTIA PRAECOX—Horatio M. Pollock, Benjamin Malzberg and Raymond G. Fuller—*State Hospitals Press*, 473 p., \$2.50. See *SNL*, May 20.

Science News Letter, September 2, 1939

Biology—Medicine

MEDICAL MICROBIOLOGY—Kenneth L. Burdon—*Macmillan*, 764 p., \$4.50. For medical students and students of bacteriology who may be planning to enter the fields of either medicine or public health.

Science News Letter, September 2, 1939

Entomology

THE SATYRIDAE—Cyril F. Dos Passos—*Cheyenne Mountain Museum*, 13 p., 50c. Second part of the treatment of an important family of butterflies.

Science News Letter, September 2, 1939

Biography

A DOCTOR FOR THE PEOPLE—Michael A. Shadid—*Vanguard*, 277 p., \$2.50.

Science News Letter, September 2, 1939

Medicine

THE ENDOCRINE GLANDS—Max A. Goldzieher—*Appleton-Century*, 916 p., \$10. A book written by an endocrinologist for practicing physicians who wish to keep abreast of present knowledge in this field but lack the time to follow the enormous volume of special literature on the subject.

Science News Letter, September 2, 1939

Economics

OVERSEAS TRADE AND EXPORT PRACTICE—G. T. MacEwan—*Chemical Pub. Co.*, 366 p., \$5. This book presents specialized and technical knowledge concerned with Great Britain's essential task of selling to other lands the goods and services with which to pay for the

foodstuffs and raw materials that must be bought abroad. It is by the vice-chairman of the Institute of Export in London.

Science News Letter, September 2, 1939

Anthropology

DATING PREHISTORIC RUINS BY TREE-RINGS—W. S. Stallings, Jr.—*Laboratory of Anthropology, Santa Fé*, 20 p., 50c. For those who want to know exactly how a tree-ring calendar can be used to date Indian settlements, Mr. Stallings has prepared this plainly worded account. It contains enough technical detail to satisfy almost any reader, except one who wishes to become a dendrochronologist, and that requires laboratory training.

Science News Letter, September 2, 1939

Psychic Research

EXPERIMENTS IN PSYCHICS—F. W. Warrick—*Dutton*, 399 p., \$7.50. The author has convinced himself with these experiments and other study that "trickery alone is not the solution of the baffling problem of psychic photography."

Science News Letter, September 2, 1939

Child Study

THE PHYSICAL AND MENTAL GROWTH OF GIRLS AND BOYS AGE SIX TO NINETEEN IN RELATION TO AGE AT MAXIMUM GROWTH—Frank K. Shuttleworth—*National Research Council*, 291 p., \$2. (Monographs of the Society for Research in Child Development, Vol. IV, No. 3, Serial No. 22.)

Science News Letter, September 2, 1939

Sociology

SOCIOLOGY OF CHILDHOOD—Francis J. Brown—*Prentice-Hall*, 498 p., \$2.25. Most sociologists write of adults but here is a textbook from New York University dealing with the problems relating to normal children.

Science News Letter, September 2, 1939

Philosophy

THIS BUSINESS OF LIVING—L. W. Grensted—*Macmillan*, 187 p., \$1.75. A book of the inspirational type by the Nolloth professor of the philosophy of the Christian religion in the University of Oxford.

Science News Letter, September 2, 1939

Psychology

GENERAL PSYCHOLOGY—J. P. Guilford—*Van Nostrand*, 630 p., \$3. An introductory textbook which avoids controversial issues and theories. The author is professor of psychology at the University of Nebraska.

Science News Letter, September 2, 1939

Medicine

ONE HUNDRED THOUSAND DAYS OF ILLNESS—Dorothy Ketcham—*Edwards*, 477 p., \$2. The director of social services at the University of Michigan Hospital and her staff present an account and appraisal of 16 years experience in learning and meeting the needs of child patients in hospitals. The book should be extremely useful to social service workers and others concerned with the care of hospital patients.

Science News Letter, September 2, 1939

Mathematics

ANALYTIC GEOMETRY—Roscoe Woods—*Macmillan*, 294 p., \$2.25. A textbook for use in college and technical schools, prepared by the associate professor of mathematics at the University of Iowa.

Science News Letter, September 2, 1939

Chemistry

AN INTRODUCTION TO CRYSTAL CHEMISTRY—R. C. Evans—*Cambridge (Macmillan)*, 388 p., \$4.50. The discovery of the diffraction of X-rays by the atomic gratings formed in crystals, has now produced a sufficiently large amount of knowledge to make feasible a compilation of the chemical and physical properties which can be obtained by this method. Dr. Evans of the University of Cambridge brings this knowledge together in a valuable book.

Science News Letter, September 2, 1939

Public Health

COMMUNITY HEALTH ORGANIZATION, A Manual of Administration and Procedure Primarily for Urban Areas (3rd ed.)—Ira V. Hiscock, ed.—*Commonwealth Fund*, 318 p., \$2.50.

Science News Letter, September 2, 1939

Bacteriology

THE BIOLOGY OF BACTERIA: An Introduction to General Microbiology (2d ed.)—Arthur T. Henrici—*Heath*, 494 p., \$3.60.

Science News Letter, September 2, 1939

Technology

INDIA RUBBER MAN; The Story of Charles Goodyear—Ralph F. Wolf—*Caxton*, 291 p., \$3. The tale of the man who founded the modern rubber industry with the discovery of vulcanization. The volume is claimed to be the first biography although 79 years has passed since Goodyear's death and a century since his epochal discovery. The ups and downs of Goodyear and his fights for recognition make fascinating reading.

Science News Letter, September 2, 1939