

# •First Glances at New Books

## ENGINEERING

HOW TO SAVE \$100 A YEAR ON YOUR CAR—*Popular Mechanics*, 184 p., illus., \$1.25. How to save money on oil, gas and tires will appeal to all of us, these days. In addition to that, there are innumerable short-cuts and gadgets for mechanics and motorists, which will be sure to interest the men of the family.

*Science News Letter, June 27, 1942*

## TECHNOLOGY

RATIONED RUBBER, WHAT TO DO ABOUT IT—William Haynes and Ernst A. Hauser—*Knopf*, 181 p., \$1.75. A timely tome telling about stocks today and supplies tomorrow, about the sources of crude and the making of synthetics and the uses of reclaimed rubber.

*Science News Letter, June 27, 1942*

## AERONAUTICS

THE AIRCRAFT APPRENTICE—Leslie MacGregor—*Pitman*, 134 p., illus., \$1.50. For school boys and girls.

*Science News Letter, June 27, 1942*

## ASTRONOMY

FOUNDATIONS OF ASTRONOMY—W. M. Smart—*Longmans, Green*, 268 p., \$4.20. A book intermediate between the popular exposition and the technical treatise. The circles, spherical triangles, and methods of astronomical calculations are explained especially in reference to navigation. The author believes the book should be helpful to young men in the air and naval forces as an introduction to their more technical manuals.

*Science News Letter, June 27, 1942*

## NUTRITION

OUTLINES OF FOOD TECHNOLOGY—Harry W. Von Loesecke—*Reinhold*, 505 p., illus., \$7.

*Science News Letter, June 27, 1942*

## NUTRITION

MINERALS IN NUTRITION—Zolton T. Wirtschafter—*Reinhold*, 175 p., \$1.75. A book for the lay public, written by a physician who is clinician at Mount Sinai Hospital and clinical instructor in medicine, Western Reserve University.

*Science News Letter, June 27, 1942*

## ECONOMICS—PUBLIC HEALTH

FATIGUE OF WORKERS, Its Relation to Industrial Production—National Research Council, Comm. on Work in Industry—*Reinhold*, 165 p., \$2.50. A study which emphasizes the importance of psy-

chological factors such as the relation of a worker to his fellows, that have often been overlooked in previous attempts to determine the causes of fatigue and discomfort at work.

*Science News Letter, June 27, 1942*

## AERONAUTICS

THE STORY OF THE AIRSHIP (Non-rigid)—Hugh Allen—*Goodyear Tire & Rubber Company*, 74 p., illus., \$1. Written to show that helium-inflated blimps would be useful in the defense of our coasts against submarines.

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## AERONAUTICS

THE HISTORY OF COMBAT AIRPLANES—Charles G. Grey—*Norwich University*, 158 p., \$1. An unusual touch of interest is added to this historical account by the fact that the author who for 28 years was editor of "The Aeroplane", British aeronautical journal, was twice bombed out of his quarters while it was being written.

*Science News Letter, June 27, 1942*

## MEDICINE

ENCEPHALITIS, A Clinical Study—Josephine B. Neal—*Grune & Stratton*, 563 p., \$6.75.

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## ● Just Off the Press ●

AIRCRAFT RIVETING, A Guide for the Student—E. B. Lear and James E. Dillon—*Pitman*, 118 p., illus., \$1.25.

AMERICAN STANDARD DEFINITIONS OF ELECTRICAL TERMS; Approved, American Standards Association, Canadian Engineering Standards Association—*American Institute of Electrical Engineers*, 311 p., \$1.

COLLATERAL READINGS IN INORGANIC CHEMISTRY, Second Series—L. A. Goldblatt, ed.—*Appleton-Century*, 198 p., \$1.40.

ILLUMINATION AND VISUAL RANGE UNDER WATER—R. Ruedy—*National Research Council of Canada*, 32 p., 25c.

AN INTRODUCTION TO THE THEORY OF ELASTICITY FOR ENGINEERS AND PHYSICISTS (2d ed.)—R. V. Southwell—*Oxford Univ. Press*, 509 p., \$10.

THE MODERN ATTACK ON TUBERCULOSIS—Henry D. Chadwick and Alton S. Pope—*Commonwealth Fund*, 95 p., \$1.

MODERN THEORIES OF ORGANIC CHEMISTRY (2d ed.)—H. B. Watson—*Oxford University Press*, 267 p., \$5.

THE PROBLEMS OF LASTING PEACE—Herbert Hoover and Hugh Gibson—*Doubleday, Doran*, 295 p., \$2.

A SHORT COURSE IN QUALITATIVE ANALYSIS (rev. ed.)—F. E. Brown—*Appleton-Century*, 367 p., \$2.50.

WEATHER ELEMENTS, A Text in Elementary Meteorology (rev. ed.)—Thomas A. Blair—*Prentice-Hall*, 401 p., illus., \$4.

## ECONOMICS

PRICE CONTROL, The War Against Inflation—Erik T. H. Kjellstrom and others—*Rutgers Univ. Press*, 171 p., \$2.50. Describing experiences with price control in Sweden, England, Canada and Switzerland as evaluated by four economists.

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## NUTRITION

THE HOME GUIDE TO MODERN NUTRITION—N. D. Phillips—*Longmans, Green*, 96 p., 50c. An excellent pocket-size book giving 90 balanced meals, showing the nutritional value of each food. Each meal is printed on a separate ticket, loose-leaf style.

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## MATHEMATICS

MATHEMATICS DICTIONARY—Glenn James and Robert C. James—*Digest Press*, 281 p., \$3. This volume covers the basic terms in pure mathematics and those ordinarily used in applications. Advanced technical terms are reserved for a later volume. The chief aim has been to convey the meaning of mathematical concepts to students, teachers, laymen and workers in other fields that require mathematics.

*Science News Letter, June 27, 1942*

## CHEMISTRY

PIONEERS OF PLENTY, The Story of Chemurgy (new wartime ed.)—Christy Borth—*Bobbs-Merrill*, 410 p., \$3.50. According to the author, the chemical age is replacing the machine age and solving the problems of unemployment and war, chiefly by finding chemical means of converting our farm surpluses into industrial commodities. Civilization is taking time out to put down a gangster, but should open its mind to these opportunities.

*Science News Letter, June 27, 1942*

## ASTRONOMY

ESSENTIALS OF ASTRONOMY—John Charles Duncan—*Harper*, 181 p., illus., \$1.85.

*Science News Letter, June 27, 1942*

## PHYSICS

FROM COPERNICUS TO EINSTEIN—Hans Reichenbach; trans. by Ralph B. Winn—*Alliance Book Corp.*, 123 p., \$2. A simple but scientific history of the ideas and discoveries that led to the theory of relativity and the modern conceptions of space and time. Some of the philosophical implications are also pointed out.

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