

motor of great promise. The present military development of this device is by commercial and industrial agencies, under sponsorship of the Bureau of Ordnance of the Navy, with the coordination of the Applied Physics Laboratory of the John Hopkins University. This development may influence peacetime transportation of the future world.

In the future, liquid fuels that are produced from petroleum will be made to fit the requirements of jet engines. Particular fuel requirements for the turbo-jet engine may even bring kerosene and other distillates heavier than gasoline back into prominence.

During the war some of the jet planes were designed to burn kerosene while other jet devices operated on hundred octane gasoline. Such high octane gasoline was not actually necessary but due to the fact that much of the aviation fuel in the war areas was high octane, it was used to simplify the problem of supply.

If jet planes were used in another war emergency, a fifth of the U. S. petroleum refining capacity would be used for making jet fuels, Robert P. Russell, president of the Standard Oil Development Co., estimated recently. Designing of fuel that can be used in a variety of jet motors is as important as designing jet motors themselves. Military specifications are now being considered that will cause more of the fractions of petroleum to be used in making jet fuel. This may prove to be one of the most important decisions affecting flying power for the future.

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Books of the Week

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ACETANILIDE: A CRITICAL BIBLIOGRAPHIC REVIEW—Martin Gross—*Hillhouse Press*, 155 p., \$3. Monograph I of the Institute for the Study of Analgesic and Sedative Drugs, this survey reviews the use of this drug over a 100 year period.

AMERICAN AVIATION DIRECTORY:—Spring and Summer 1947—Wayne W. Parrish, ed.—*Am. Aviation Assoc.*, 620 p., paper, \$5. Aviation officials and companies of the United States, Canada, Latin America, Africa, Europe, and Australasia.

BRASSEY'S NAVAL ANNUAL 1946—H. G. Thursfield—*Macmillan*, 282 p., illus., \$6. A record of the peak strength of wartime navies of U. S. and Great Britain as well as an analysis of their present state and losses sustained.

THE DOCTOR RECOMMENDS—C. O. Young—*Wetzel*, 319 p., \$2.50. This story of the history of some phases of medicine reads like a novel; with some history for background it deals with medical advances in one doctor's lifetime.

ESTIMATION OF THE VITAMINS; Biological Symposia Vol. XII—W. J. Dann and G. Howard Satterfield, eds.—*Ronald Press*, 531 p., \$6.50. A careful presentation of the several methods of vitamin assay with specific reference to all vitamins in a series of essays by specialists in each field.

INVENTIONS AND THEIR MANAGEMENT—A. K. Berle and L. S. de Camp—*Int. Textbook*, 2nd ed., 742 p., illus., \$6. The principles and practices governing the technical, legal and business procedures of invention.

LIFE THROUGH THE AGES; A Visual Introduction to the Story of Change in Living Things—R. Will Burnett—*Stanford Univ. Press*, 47 p., illus., paper, \$1. This story of the development of the world traces the ages of prehistoric time with their accompanying flora and fauna illustrated, the changes in the earth through the tremendous forces of gravity and temperature, and man's advent upon this scene.

MAKING THE PEACE TREATIES 1941-1947—Dept. of State—*Govt. Printing Office*, State Publ. 2774, 150 p., paper, 50 cents. Beginning with the Atlantic Charter, this history of attempts at agreement on peacemaking is of present day significance.

MILK AND FOOD SANITATION PRACTISE—H. S. Adams—*Commonwealth Fund*, 303 p., illus., \$3.25. A practical text presenting the essential fundamental principles of sanitary supervision of milk and food supplies and how to accomplish them.

NATURAL PERFUME MATERIALS—Y. R. Naves and G. Mazuyer—*Reinhold*, 338 p., illus., \$6.75. Translated by E. Sagarin, this book presents fundamental knowledge concerning material extraction by digestion, enfleurage and volatile solvents.

ONE HUNDRED DERMATOLOGIC FORMULAS—Herman Goodman—*Froben*, 62 p., paper, \$2. Prescriptions for the treatment of common skin diseases.

THE PERSONALITY OF ANIMALS—H. Munro Fox—*Penguin*, 116 p., illus., paper, 25 cents. A discussion of the development of the senses of animals and their various degrees of intelligence.

RABIES AND ITS CONTROL—Committee on Animal Health—*Natl. Res. Council*, Circular 126, 12 p., paper, 25 cents. The sixth report of this committee.

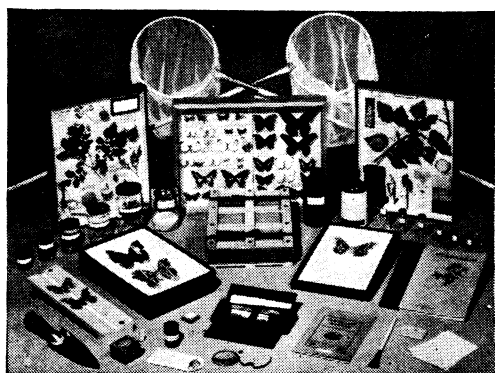
RELATIVITY: THE SPECIAL AND GENERAL THEORY—Albert Einstein—*Hartsdale House*, 168 p., \$2.50. Published in 1920, this simplified explanation of the theory of relativity somehow passed unnoticed.

SCIENCE IN FARMING: THE YEARBOOK OF AGRICULTURE 1943-1947—U. S. Dept. of Agriculture—*Govt. Printing*, 944 p., illus., \$2. Prepared for farmers, this account of new developments in farm science is both practical and specific and offers a background for the understanding of future research.

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