

# Books of the Week

**THE COMING AIR AGE**—Reginald Cleveland and Leslie Neville—*Whitelsey House*, 359 p., illus., and diags., \$2.75. This book blueprints tomorrow's aviation world. It is a simple, definite outline of the steps by which aviation will approach its real maturity as a power for peace.

**THE ENDEAVOUR OF JEAN FERNEL** with a List of the Editions of his Writings—Sir Charles Sherrington—*Cambridge Univ. Press*, 223 p., illus., \$3.50. This book is a study of the sixteenth-century French physician. The notes to the text include an English translation of Plancy's LIFE, and biographical notes of persons named.

**FLUORESCENT LIGHTING**—A. D. S. Atkinson—*Chemical Pub. Co.*, 144 p., illus., diags., and tables, \$3.50. Full details of the construction and operation of all types of fluorescent lighting are given and the application of fluorescent lamps in factories, public buildings, domestic interiors, etc., is discussed and illustrated.

**GREENHOUSES: Their Construction and Equipment**—W. J. Wright—*Orange Judd Pub. Co.*, 269 p., illus., diags., and tables, \$2.50. A text book giving definite, concise information about the different forms of construction, heating and equipment and probable cost of greenhouses. Conservatories, hotbeds and cold frames, forcing houses and pits all receive full and detailed treatment.

**HEAT TREATMENT OF CARBON STEELS**—F. Johnson—*Chemical Pub. Co.*, 204 p., illus., diags., and tables, \$4.00. A book that deals almost exclusively with carbon-steels. Although a knowledge of the principles of physical metallurgy will be an advantage, it is hoped that readers not possessing such knowledge will be able to profit from a study of the material in this volume.

**WHAT INDUSTRY OWES TO CHEMICAL SCIENCE**—Based on a scheme by Richard B. Pilcher and Frank Butler-Jones with Fifty Contributors—*Chemical Pub. Co.*, 372 p., \$5.00. A book that is intended for the general reader as well as for chemical students. The authors, in supplying definite evidence in concrete form of the

utility of chemistry in the development of industry, have endeavoured to avoid technical details.

**THE LEGEND OF KING KERET: A Canaanite Epic of the Bronze Age**—H. L. Ginsberg—*American Schools of Oriental Research*, 50 p., plates, paper, \$1.25. Supplementary studies Nos. 2-3.

**NARCOTICS AND DRUG ADDICTION**—Erich Hesse, M.D.—*Philosophical Library*, 219 p., tables and diags., \$3.75. A complete and up-to-date handbook, describing the uses and abuses, in the Eastern and Western world, of all the pleasure drugs and stimulants.

**RADIO IS YOURS**—Jerome Spingarn—*Public Affairs Committee*, 31 p., diags. and tables, paper, 10 cents. This pamphlet urges citizens to keep informed on all matters which affect the control of the channels of mass communication, to discuss communication problems with others, and to participate as much as possible in the regulatory process, in order to get their money's worth in radio programs. Public Affairs Pamphlet No. 121.

**STANDARD PRACTICES FOR STATIONARY DIESEL ENGINES**—*Diesel Engine Manufacturers Assoc.*, 157 p., illus., diags., graphs, and tables, \$2.50. This book covers stationary Diesel engines at speeds up to and including approximately 750 revolutions per minute, and supersedes all previous editions of these standards. It will be of service to Diesel engine users, prospective buyers and consulting engineers.

**THE VALLEY OF OIL**—Harry Botsford—*Hastings House*, 278 p., illus., \$3.00. A vivid chronicle of the early growth of the world's first commercial oil enterprises and the pioneers in Pennsylvania who made the industry what it is today.

**THE WINGED SERPENT: An anthology of American Indian Prose and Poetry**—Margot Astrov, Ed.—*Day*, 366 p., \$3.50. An anthology which presents the American Indian as an outstanding poet, as a singer of exquisite songs, maker of sublime prayers or dangerous spells, and judicious teller of tales and mythic stories.

*Science News Letter, October 12, 1946*

show that it can be made a part of various breads and cookies.

When fed to young laboratory animals as the source of the protein in the diet, wheat and corn germs showed considerable power to aid normal growth, Dr. David Breese Jones and co-workers of the Department found. In their studies young rats were put on diets in which the source of protein differed. Some got wheat germ, some corn germ. Others were fed soybean, peanut or cotton seed flour. Still others were given animal protein such as dry skim milk, casein, and dried whole egg.

Of all the plant proteins, the wheat and corn germs did the best for the young animals as shown by their growth.

*Science News Letter, October 12, 1946*

## CHEMISTRY

### New Method Extracts Aluminum from Ores

➤ A METHOD for extracting aluminum from low-grade ores, clays, etc., is covered by patent 2,408,241, issued to Lucien C. Sturbells. Essential parts of the process are fusing the ore with carbon in an electric furnace, then leaching the alumina out of the resulting slag with sodium carbonate. Further purification and extraction of aluminum from the alumina follow more or less conventional lines.

*Science News Letter, October 12, 1946*

## NUTRITION

# Grains Supply Protein

➤ GOOD NEWS for housewives worried about how to feed their families enough protein when meat is scarce or too expensive for the food budget comes in a report from the U. S. Department of Agriculture.

Germs of wheat and corn may come close to doing as efficient a job of tissue building as would be expected from eggs, milk, meat and other foods of animal origin which have long been recognized as sources of highly efficient protein.

These germs are not, of course, disease germs that make you sick. They are the

tiny parts of the wheat or corn seeds from which new plants sprout. Wheat germ, which is flattened and sifted out in the milling of patent flour, comes out as a yellowish oily flake with a pleasing nutty flavor, Department of Agriculture officials point out. A defatted wheat germ, which keeps better than the fatty flake, is now being prepared.

It requires no cooking and can be added to cereal at serving time. It adds not only protein but B vitamins as well. Tests in the experimental cookery laboratories of the Department's Bureau of Human Nutrition and Home Economics



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