

# Books of the Week

**APPLIED ATOMIC POWER**—W. S. Smith, A. H. Fox, R. T. Sawyer, H. R. Austin—*Prentice-Hall*, 227 p., illus., \$4. Relatively simple explanation of atomic power, including mineral sources, atom-splitting, the development of atomic energy, conversion of atomic energy into mechanical power, and expected industrial benefits.

**BASIC MATHEMATICS FOR TECHNICAL COURSES**—Clarence E. Tuites—*Prentice-Hall*, 132 p., \$5. Material in this book was developed at the Rochester Institute of Technology. One of a series designed for technical institutes and the junior college field.

**DDT AND THE INSECT PROBLEM**—James C. Leary, Wm. I. Fishbein and Lawrence C. Salter—*McGraw-Hill*, 176 p., illus., \$2.50. Facts about the development, application and effectiveness of DDT, written in plain, non-technical language.

**ELECTRICAL ENGINEERING: Essential Theory and Typical Applications**—Fred H. Pumphrey—*Prentice-Hall*, 369 p., illus., \$5.35. A textbook intended for the student specializing in other fields. Emphasis is placed on basic physical concepts rather than on details of the operating characteristics of motors and generators.

**FEDERAL LEGISLATION, RULINGS, AND REGULATIONS AFFECTING THE STATE AGRICULTURAL EXPERIMENT STATIONS**—*Govt. Printing Office*, 52 p., paper, 15 cents. U. S. Department of Agriculture. Misc. Publ. No. 515.

**INDUSTRIAL CARBON: Its Elemental, Adsorptive, and Manufactured Forms**—C. L. Mantell—*Van Nostrand*, 472 p., illus., \$7.50. A reference manual on carbon, its properties, varieties, methods of manufacture and uses in chemistry, engineering and technology.

**INDUSTRIALIZATION OF LATIN AMERICA**—Lloyd J. Hughlett, Ed.—*McGraw-Hill*, 508 p., illus., \$5. A symposium on Latin American industry, including cement, chemicals, mining, metallurgy, textiles, food packing, power and communications, by 30 business leaders from the United States and Latin America.

**LAND MOLLUSCA OF NORTH AMERICA (NORTH OF MEXICO)**—Henry A. Pilsbry—*The Academy of Natural Sciences of Philadelphia*, 520 p., illus., \$13. Vol. II, Part 1.

**PAPER BULLETS**—Leo J. Margolin—*Froben Press*, 149 p., illus., 2.50. A brief story of psychological warfare in World War II, which includes many once secret items of Allied operations in the war of words and ideas against both European and Pacific enemies.

**PLASTICS: Problems and Processes**—Dale Mansperger and Carson Pepper—*Int. Textbook*, 350 p., illus., \$3. An orientation book designed to meet needs of students in junior and senior high schools, colleges and universities, and professional people.

**PRODUCTION COMES FROM PEOPLE**—*Industrial Hygiene Foundation*, 12 p., illus., paper, free. A circular which summarizes the Foundation's current services and activities on behalf of health and technology.

**PSYCHIATRIC INTERVIEWS WITH CHILDREN**—Helen L. Witmer, Ed.—*Commonwealth Fund*, 451 p., \$4.50. Ten typical case studies from conferences in child guidance clinics which show the methods and techniques currently used by psychotherapists.

**SPANISH AND ENGLISH RUINS IN JAMAICA**—William B. Goodwin—*Meador*, 240 p., illus., \$4. A brief history of that tropical paradise since it was discovered by Christopher Columbus, and settled by his son, Don Diego Colon.

*Science News Letter, December 28, 1946*

## BOTANY

### Climate Produces New Races in Plants

► **WHETHER** climate produces racial changes in man is still open to dispute; it certainly does produce changes in plants, experiments reported in the Carnegie Institution's yearbook by Dr. Jens Clausen and associates show. The experi-

ments were conducted in the great range of climatic zones presented by the sea-to-mountaintop topography of California, with the common plant known as milfoil or yarrow as guinea-pig. Slips from the same plant, set out in three different climatic zones, produced three botanical races, with very distinct characteristics in stems, leaves and flowers.

*Science News Letter, December 28, 1946*

## EDUCATION

### Phonograph Attachment Flashes Words on Cards

► **PERSONS** learning a language from phonograph records are sometimes handicapped by not knowing what the words look like in print. To meet this problem, F. W. Quidas of New York has invented a coding attachment for a phonograph which will cause the corresponding word to be flashed on a card while the machine is sounding it. On this, he was granted patent 2,412,061.

*Science News Letter, December 28, 1946*

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