

# Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N. W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

**THE DOCTORS WHO CONQUERED YELLOW FEVER**—Ralph Nading Hill—*Random House*, 180 p., illus., \$1.95. A book for children telling of a famous conquest by medical science.

**ELECTRON MICROSCOPY: Proceedings of the Stockholm Conference, September 1956**—F. S. Sjostrand and J. Rhodin, Eds.—*Academic*, 355 p., illus., \$17.50. The papers included are either in English, German or French. Beautifully illustrated.

**FENESTELLA FROM THE PERMIAN OF WEST TEXAS**—M. K. Elias and G. E. Condra—*Geological Society of America*, Memoir 70, 158 p., illus., \$3.50. The 38 species and varieties described are mainly from the Glass Mountains, West Texas but four are from the western Urals in Russia.

**FOOD INVESTIGATION 1956: Report of the Food Investigation Board with the Report of the Director of the Food Investigation Organization**—R. Holroyd and R. G. Tomkins—*Her Majesty's Stationery Office* (London), Department of Scientific and Industrial Research, 68 p., paper, 63 cents. Reporting investigations on methods of improving and preserving food.

**FUNDAMENTALS OF COMBUSTION OF GASEOUS FUELS**—S. A. Weil and others—*Institute of Gas Technology*, Research Bulletin 15, 63 p., diagrams, paper, \$5.00. Many of the advances due to the advent of jet propulsion are of

direct interest and possible application to the gas industry.

**THE FUTURE OF FOOD PRESERVATION: Proceedings of a Symposium**—Sarah C. Lechtman and Odom Fanning, Eds.—*Midwest Research Institute*, 192 p., illus., paper, \$6.00. Reporting technical developments and their effects on producer, distributor and consumer.

**THE MAKING, SHAPING AND TREATING OF STEEL**—*United States Steel*, 7th ed., 1048 p., illus., \$7.50, students \$5.00. Covering fundamental principles of chemistry and physics underlying steel making as well as practical techniques of the industry.

**METALLURGICAL PROGRESS—3: Critical Reviews**—Helen Towers and others—*Philosophical Library*, 88 p., graphs, \$6.00. Surveying the present state of knowledge.

**NEUTRON AND GAMMA IRRADIATION FACILITIES**—John H. Martens and F. G. Minuth—*Govt. Printing Office*, U. S. Atomic Energy Commission Nuclear Technology Series, 79 p., illus., paper, 60 cents. Describing the 40 irradiation facilities either operating now or expected to go into operation soon.

**PSYCHOLOGISTS IN ACTION**—Elizabeth Ogg—*Public Affairs Committee*, Public Affairs Pamphlet No. 229, 28 p., illus., paper, 25 cents. Telling of some of the interesting things that

are going on in this profession which deals with the study of man himself.

**THE STARS ABOVE US: Or the Conquest of Superstition**—Ernst Zinner, translated by W. H. Johnston—*Scribner's*, 141 p., illus., \$3.00. Telling of some interesting ancient ideas about the skies and the heavenly bodies.

**ZINSSER BACTERIOLOGY**—David T. Smith and others—*Appleton-Century-Crofts*, 11th ed., 953 p., illus., \$11.00. The present authors used earlier editions of this same text when they were students and for many years have used it in teaching other students. The new edition has been extensively revised and has one new chapter on blood groups and immunohematology.

Science News Letter, September 14, 1957

## PUBLIC HEALTH

### Treat Fabrics With Antiseptics for Health

➤ **HERE'S A LOOK** into the future: fabrics impregnated with antiseptics that can prevent or treat diseases.

Antiseptic impregnation of fabrics has been especially effective in prevention and treatment of such skin diseases as furunculosis, ammonia dermatitis and other diaper skin disorders.

Evidence also indicates that respiratory diseases and streptococcal infections can be decreased by impregnation of blankets and soiled clothing.

Drs. C. A. Lawrence and A. J. Maffia have made a survey of the field. Dr. Lawrence is associated with the department of infectious diseases, University of California Medical School, Los Angeles, and the Los Angeles County Health Department. Dr. Maffia is with the New York Medical College.

Their survey report appears in the *Bulletin of American Society of Hospital Pharmacists*.

Certain four-element compounds known as "Quats" have been the most successfully used antiseptics for this purpose, Dr. Lawrence said. Further investigation in the field is warranted, he added.

Science News Letter, September 14, 1957

## ENGINEERING

### Make-Believe Atom Plant Helps Speed A-Power

See Front Cover

➤ A **GIGANTIC** model of America's first big nuclear power plant is being studied by Westinghouse engineers at the Bettis plant near Pittsburgh, Pa.

Made of wood, plastic and metal, the mock-up of the Shippingport, Pa., reactor stands 45 feet high. It is being used to determine the shape and configurations of the pipes, cables and other parts of the actual reactor.

Inside the tubes, or shrouds, shown on the cover of this week's *SCIENCE NEWS LETTER*, will move control rods of hafnium metal which can absorb neutrons and retard the atom splitting or heat producing process. Edward C. Peterson is shown examining the model.

Later the model will be shown to the public at the plant.

Science News Letter, September 14, 1957

## WINS WRITING SUCCESS AT 56



"I enrolled in N.I.A. because I wanted to convince myself whether at 56 an old dog could learn new tricks. At my first try, I sent a manuscript to the *New York Times* and I was amazed when it was accepted. Another story was also sold to the *Times*."—Michael I. Passarelli, 25 Spring St., Milburn, N. J.

## To People who want to write but can't get started

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