

# 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.

**CAUSES OF INDUSTRIAL PEACE UNDER COLLECTIVE BARGAINING: Fundamentals of Labor Peace, A Final Report**—Clinton S. Golden, Committee Chairman — *National Planning Association*, Case Study No. 14, 119 p., paper, \$1.00.

**CHEMISTRY FOR OUR TIMES** — Elbert C. Weaver and Laurence S. Foster—*McGraw-Hill*, 2nd ed., 666 p., illus., \$4.12. Acquainting young people with many of the practical applications of the science.

**FILLING AND SEALING OF JOINTS AND CRACKS IN CONCRETE PAVEMENTS** — *Highway Research Board*, Bulletin 78, 38 p., illus., paper, 60 cents.

**FISHES OF THE MARSHALL AND MARIANAS ISLANDS: Families from *Asymmetronidae* through *Siganidae***—Leonard P. Schultz and others—*Gov't Printing Office*, U. S. National Museum Bulletin 202, 685 p., illus., paper, \$2.75. Describing fishes collected in connection with and after the atom bomb tests of Operation Crossroads.

**HIGHWAY RESEARCH ORGANIZATIONS: Description of Existing Organizational Patterns and Scope of Activities**—M. Earl Campbell—*Highway Research Board*, Special Report 15, 44 p., paper, 75 cents.

**HOPE AND HELP IN PARKINSON'S DISEASE** — John C. Button, Jr.—*Vantage Press*, 198 p., \$4.95. Modern research offers a spark of hope for the many victims of this ancient disease, called in the Bible "shaking palsy."

**MAJOR USES OF LAND IN THE UNITED STATES**—H. H. Wooten—*Gov't Printing Office*, USDA Technical Bulletin 1082, 100 p., illus., paper, 30 cents. Supplying an account of the extent and distribution of major agricultural land uses and an estimate of future needs.

**MATERIALS SURVEY—BAUXITE**—National Security Resources Board — *Gov't Printing Office*, 304 p., illus., paper, \$1.50. Fundamental data on the important ore from which we obtain aluminum.

**READINGS ON AGRICULTURAL MARKETING** — Frederick V. Waugh, Ed.—*Iowa State College Press*, 456 p., illus., \$5.00. Varied material assembled for the use of administrators and research workers.

**RETIREMENT AND THE INDUSTRIAL WORKER: Prospect and Reality** — Jacob Tuckman and Irving Lorge — *Teachers College*, 105 p., \$2.75. Most adults must face two critical stress

points. First comes the change from youth to adult responsibilities, the second is the withdrawal from these cares. Here is a study by the Institute of Adult Education of how people meet the latter situation.

**SUPPLEMENT TO MAJOR USES OF LAND IN THE UNITED STATES**—U. S. Bureau of Agricultural Economics — *Gov't Printing Office*, 78 p., paper, 25 cents. Statistical tables to accompany USDA Technical Bulletin 1082.

**TAXONOMIC TERMINOLOGY OF THE HIGHER PLANTS** — H. I. Featherly — *Iowa State College Press*, 166 p., \$3.75. A convenient glossary for students.

**TOTAL ECLIPSE OF THE SUN JUNE 30, 1954**—U. S. Naval Observatory—*Gov't Printing Office*, 42 p., illus., paper, 40 cents. A supplement to the American Ephemeris, 1954.

**TRANSPORTATION AND THE GROWTH OF CITIES**—Harlan W. Gilmore—*Free Press*, 170 p., illus., \$3.00. The author believes that transportation systems are a better key to socio-economic systems than social scientists have recognized.

**TRAVEL TO COMMERCIAL CENTERS**—Gordon B. Sharpe and Kenneth C. Welch — *Highway Research Board*, Bulletin 79, 38 p., illus., paper, 60 cents. An aid to intelligent city planning.

**TURRIALBA: Social Systems and the Introduction of Change**—Charles P. Loomis and others, Eds. — *Free Press*, 288 p., illus., \$3.50. This study developed out of the need of technical cooperation personnel to understand the societies with which they work. Turrialba, Costa Rica, is the site of the Inter-American Institute of Agricultural Sciences.

**20TH CENTURY MINUTEMEN: A Report to the President on a Reserve Forces Training Program** — National Security Training Commission — *Gov't Printing Office*, 159 p., illus., paper, 50 cents. Scientists will be interested especially in the discussion of the unselective recall of reservists.

**WHO'S WHO IN BRITISH SCIENCE 1953** — *British Book Centre*, 292 p., \$9.00. A welcome reference book.

**ANNUAL REPORTS 1953**—Free upon request direct to individual institutions.

**THE AMERICAN MUSEUM OF NATURAL HISTORY**, Central Park West at 79th St., New York 24, N. Y., 80 p., paper.

**EDUCATIONAL TESTING SERVICE**, 20 Nassau St., Princeton, N. J., 127 p., paper. Recommending that the routine teaching function and lecturing be turned over to training films and television.

**JOHN AND MARY R. MARKLE FOUNDATION**, 14 Wall Street, New York 5, N. Y., 76 p., paper. Reporting the disposition of some \$865,000 in grants.

**MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, Cambridge 39, Mass., 47 p., illus., paper. The aim is to conduct a professional school in the spirit of a university where "learning by doing" is stressed.

**NOVA SCOTIA RESEARCH FOUNDATION**, Halifax Canada, 61 p., illus., paper. To assist local industries to utilize the results of modern scientific research.

**THE NUTRITION FOUNDATION, INC.**, Chrysler Building, New York 17, N. Y., 74 p., illus., paper. In the present period much research has been directed toward learning about fat metabo-

lism and its relation to serious public health problems.

**RENSSELAER POLYTECHNIC INSTITUTE**, Troy, N. Y., 38 p., paper. In the past year the academic administration was reorganized to qualify it to educate engineers and scientists able to make significant contributions to this modern age.

**SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH**, 410 East 68th St., New York 21, N. Y., 64 p., illus., paper. This institute, devoted exclusively to cancer research and teaching, is operated at a level of above \$2,800,000 a year.

**TEXTILE RESEARCH INSTITUTE**, Princeton, N. J., 67 p., illus., paper.

**THE WORCESTER FOUNDATION FOR EXPERIMENTAL BIOLOGY**, 222 Maple Ave., Shrewsbury, Mass., 44 p., illus., paper. Reporting outstanding progress in meeting the medical challenge of our times, particularly studies in hormones.

Science News Letter, January 23, 1954

## NUTRITION

### Japanese Synthetic Rice To Stretch Food Supply

► AN IMPROVED synthetic rice to help stretch Japan's food supply to meet the demands of an expanding population has been developed by Japanese scientists with wheat flour, potato starch and powdered rice.

Key to the development is taste. The Japanese consumer has high standards for rice and any synthetic must pass the taste test first, J. C. Dodson, agricultural attache of the American Embassy in Tokyo, has reported to the U. S. Department of Agriculture in Washington.

The new synthetic is a rice extender to be mixed with real rice in cooking and not to be eaten alone. Since the quantity of rationed low-cost rice is considered inadequate for most families, good extenders are eagerly sought.

The Japanese government is encouraging the development of the synthetic rice industry, which hopes to produce 1,000 tons a day by the end of this year.

Tests by government nutritionists show that a majority of the people will accept the product. One Tokyo department store is now selling about 50 two-pound bags a day, Mr. Dodson said.

Next to taste, price is the biggest hurdle for the synthetic rice industry. Government subsidies, particularly on potato starch, may help the industry lower prices to that of rationed rice. If this can be done lower income groups may use the synthetic extensively.

At the present time the government is losing \$65 a metric ton, which is 2,204.6 lbs., in subsidies on rationed rice, much of which is imported. What appeals to Japanese leaders is that wheat for the synthetic can be imported for \$90 a ton while imported rice costs about \$213 a metric ton.

Science News Letter, January 23, 1954

Accidents claimed about 94,000 lives in the U. S. during 1953; only cardiovascular diseases and cancer took a greater toll.

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