

Books of the Week

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THE COMMUNICATION OF IDEAS: A Series of Addresses—Lyman Bryson—*Harper*, 296 p., \$3.50. Based principally on lectures in a course of the Institute for Religious and Social Studies. Very helpful to those who wish to express themselves clearly.

DICTATORS AND DISCIPLES FROM CAESAR TO STALIN: A Psychoanalytic Interpretation of History—Gustav Bychowski—*International Universities Press*, 264 p., \$4.25. This analysis of the conditions that produce dictators and their willing followers is intended to serve toward their prevention and a more rational shaping of history.

ELEMENTARY TEACHERS GUIDE TO FREE CURRICULUM MATERIALS—John Guy Fowlkes and Donald A. Morgan, Eds.—*Educators Progress Service*, 5th ed., 208 p., paper, \$4.50. Listed by subject with a title index and alphabetical list of sources.

ELIMINATION OF WATER FROM WET CRUDE OIL OBTAINED FROM BITUMINOUS SAND BY THE HOT WATER WASHING PROCESS—K. A. Clark and D. S. Pasternack—*Research Council of Alberta*, 10 p., illus., paper, free upon request direct to publishers.

INTERNATIONAL RULES OF BOTANICAL NOMENCLATURE—W. H. Camp, H. W. Rickett and C. A. Westherby—*Chronica Botanica*, 120 p., \$3.50. This is the second printing of a previously limited edition for members of the American Society of Plant Taxonomists. The rules were adopted and revised by the International Botanical Congress of Amsterdam, 1935.

MAN IN THE MODERN WORLD: An Eminent Scientist Looks at Life Today—Julian Huxley—*New American Library*, 191 p., paper, 35 cents. Philosophical essays from two books originally published by Harper, *Man Stands Alone* and *On Living in a Revolution*.

THE METRIC SYSTEM OF WEIGHTS AND MEASURES: The National Council of Teachers of Mathematics—Twentieth Yearbook—Committee on the Metric System—Bureau of Publications, Teachers College, 303 p., illus., \$3.00. A survey of the history, nature and advantages of this system.

RADAR SCANNERS AND RADOMES—W. M. Cady, M. B. Karelitz and Louis A. Turner, Eds.—*McGraw-Hill*, 491 p., illus., \$7.00. A radar scanner is the assembly consisting of the antenna and the mechanism that causes the radiated beam to scan. Of interest particularly to mechanical and electrical engineers.

SALT, THE FIFTH ELEMENT: The Story of a Basic American Industry—Garnett Laidlaw Eskew—*J. G. Ferguson*, 289 p., illus., \$3.00. The romantically written history of the sale and use of a common but important article of daily life.

SOME RECENT CONCEPTIONS OF COAL STRUCTURE—A. McCulloch—*Research Council of Alberta*, 6 p., illus., paper, free upon request direct to publisher.

SUCCESSFUL MARRIAGE: An Authoritative Guide to Problems Related to Marriage from the Beginning of Sexual Attraction to Matrimony and the Successful Rearing of a Family—Morris Fishbein and Ernest W. Burgess, Eds.—*Doubleday*, 547 p., illus., \$6.00. A refer-

ence book for marriage counselors, newlyweds, and parents.

SURVIVAL OR SUICIDE: A Summons to Old and Young to Build a United, Peaceful World—Harry H. Moore, Ed.—*Harper*, 209 p., illus., \$2.00. A number of authors contribute the chapters that describe the crises brought about by the discovery of atomic energy. Food for serious thought as international friction grows.

THIRTY-FIRST ANNUAL REPORT OF THE NATIONAL RESEARCH COUNCIL OF CANADA, 1947-48—*National Research Council of Canada*, 26 p., paper, free upon request to publisher. Appears in both French and English.

WARTIME COLLEGE TRAINING PROGRAMS OF THE ARMED SERVICES—Henry C. Herge and others—*American Council on Education*, 214 p., illus., \$3.00. A review of what institutions of higher education contributed and what they gained from World War II experience.

Science News Letter, September 4, 1948

ANTHROPOLOGY

Gather Most Complete Skull and Bone Collection

► **WORLD'S MOST COMPLETE** collection of the skulls and bones which trace the development of man from his most primitive stages is now being built up at the Smithsonian Institution in Washington.

Casts of bones scattered throughout the world will be made to give the Institution a complete collection of existing specimens. This will enable scholars to study the skulls and other bones without traveling to many different places or relying on the descriptions made by other scientists.

The casts will also give an accurate copy in event of loss of an original specimen. This has happened in the case of the skulls of China man, which disappeared from Peiping during the war and are believed to have been lost at sea. Casts of the skulls of China man were made before the war and are in the Smithsonian collection.

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CHEMISTRY

Storage System Process Preserves Cottage Cheese

► **COTTAGE CHEESE** that looks like and tastes like freshly-made cheese after months of storage in a frozen condition is promised by a new process for which a government patent has been issued.

Ordinarily when cottage cheese made in the season of peak production is frozen for use later in the season of low production, it comes out with a chalky, crumbly structure and a mealy, mushy consistency. In the new process the thawed cheese has the

firm body and the soft texture of fresh cheese.

In this method the curd is set with a coagulating enzyme, such as rennet or pepsin or a mixture of the two, cutting the curd when the whey acidity is between 0.25% and 0.45%, and cooking the curd to produce a rubbery, tough body. This is then frozen to break down the rubbery, tough body. When thawed the cheese is ready for immediate consumption, and consumers will never know that it has been frozen.

Patent 2,446,550 was granted for this cottage cheese preservation process to Gerald C. North and Lawrence Little, Chicago, Ill. They have assigned the patent to Beatrice Creamery Company of the same city.

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Science Service Radio

► **LISTEN** in to a discussion on new discoveries in biology on "Adventures in Science" over the Columbia Broadcasting System at 3:15 p. m. EDST Saturday, Sept. 11. Watson Davis, director of Science Service, will have as his guests Dr. Ralph Cleland, chairman of the American Institute of Biological Sciences, and Dr. Raymond L. Zwemer, Executive Secretary of the National Academy of Sciences. They will give reports of the convention of the ten Biological Societies, which are meeting in cooperation with the American Institute of Biological Sciences, and a preview of the centennial meeting of the American Association for the Advancement of Science, which will meet the following week.

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