

Less clear are the summary tables in which trends of groups of materials are considered. It is easy to determine that, among the minerals, the price of sulfur has decreased most and that of anthracite almost least; but when one comes to a ½-percent annual gain in per capita food consumption, one must forget calories and remember this is the farm price, in constant-value dollars, for a group of products that comprised almost half of an agrarian-heavy GNP at the beginning of the period and but an eighth of a services-heavy GNP at the end. What this may mean is not entirely clear.

My only real complaint is the implication, which creeps in several times, that Malthus was wrong, dead wrong. However, an adequate warning is given on page 1 in the statement: "[there are] many arguments to prove that technology can overcome increasing shortages of natural resources ad infinitum." Well, perhaps, but ad infinitum does seem quite a while.

D. B. LUTEN

*Department of Geography,
University of California, Berkeley*

Notes

Mineral Resources

This third edition of Eugene Raguin's textbook on economic geology, **Geologie des Gites Minéraux** (Masson, Paris, 1961. 686 pp. NF. 80), covers the metals, the semimetals, and some important nonmetallics, but it does not consider mineral fuels. The classification follows that of W. Lindgren, modified slightly by Rankama and Sahama's geochemical classification.

Chapters 1 through 5 give Lindgren's classification and the Rankama-Sahama geochemical additions. Chapter 6 considers various geological classifications and the order of deposition, while the remainder of the book (some 26 chapters) considers various mineral deposits.

Raguin starts off with, and covers in one chapter, what we would call evaporates—potash, halite, gypsum and anhydrite, soda salts, borates, and natural nitrates. Use, production, minerals and tenor, origin, and details of the various occurrences are given; considerably more detail is provided for European deposits than for those in the United States. Under magnesium are considered metallic magnesium,

magnesite, talc, sepiolite, and asbestos; fluorite is under calcium as CaF_2 ; under aluminum we find bauxite, cryolite, corundum rubies, sapphire, topaz, garnet, tourmaline, jadite, and nephrite; under silica, industrial sand, diatomite, tripolite, quartz (agate and opal) clays, kaolins, bleaching clays and bentonites, feldspaths, micas, and vermiculites. One chapter is devoted to each of the following: manganese, graphite, phosphates, and iron, and one chapter to lithium, rubidium, cesium, and beryllium. The rest of the metals and semi-metals are similarly treated.

Needless to say the book could well be of value to the American user as a source of information on the occurrence of various minerals, particularly of those found in Europe.

E. WILLARD BERRY

*Department of Geology,
Duke University*

New Books

Economics and the Social Sciences

Activation and Behavior. Elizabeth Duffy. Wiley, New York, 1962. 401 pp. \$7.95.

Affect, Imagery, Consciousness. vol. 1, *The Positive Effects*. Silvan S. Tomkins. Springer, New York, 1962. 533 pp. \$8.

The Clinical Use of Dreams. Walter Bonime. Basic Books, New York, 1962. 370 pp. \$8.50.

Copper Town: Changing Africa. The human situation on the Rhodesian copperbelt. Hortense Powdermaker. Harper and Row, New York, 1962. 414 pp. Illus. \$7.95.

Criminal Interrogation and Confessions. Fred E. Inbau and John E. Reid. Williams and Wilkins, Baltimore, Md., 1962. 226 pp. \$6.50.

Educators Guide to Free Social Studies Materials. Compiled and edited by Patricia Horkheimer Suttles. Educators Progress Service, Randolph, Wis., ed. 2, 1962. 402 pp. Paper, \$6.75.

Ego Synthesis in Dreams. Richard M. Jones. Schenkman, Cambridge, Mass., 1962. 100 pp. Illus. Paper, \$2.45; cloth, \$4.50.

The Human Factor in Changing Africa. Melville J. Herskovits. Knopf, New York, 1962. 569 pp. \$6.95.

The Humanization of Man. Ashley Montagu. World, New York, 1962. 320 pp. \$6.

The Merchant Class of Medieval London. (1300–1500). Sylvia L. Thrupp. Univ. of Michigan Press, Ann Arbor, 1962 (reprint, © 1948). 414 pp. Illus. Paper, \$2.25; cloth, \$4.40.

The New Exploration. A philosophy of regional planning. Benton MacKaye. Univ. of Illinois Press, Urbana, 1962 (reprint of 1928 ed.). 273 pp. Paper, \$1.75.

The Optimistic Tradition and American Youth. Eli Ginzberg, James K. Anderson, and John L. Herma. Columbia Univ.

Press, New York, 1962. 170 pp. \$3.75.

Prehistoric Religion. A study in prehistoric archeology. E. O. James. Barnes and Noble, New York, 1962. 300 pp. Illus. Paper, \$1.95.

Psychological Development in Health and Disease. George L. Engel. Saunders, Philadelphia, 1962. 469 pp. \$7.50.

Science and Government. The Godkin lectures at Harvard University, 1960, with a new appendix. C. P. Snow. New American Library, New York (© 1960), 1962. 128 pp. Illus. Paper, 60¢.

General

Income of the Chinese Gentry. Chung-li Chang. Univ. of Washington Press, Seattle, 1962. 386 pp. \$7.75.

Life in the Universe. Francis Jackson and Patrick Moore. Norton, New York, 1962. 149 pp. Illus. \$3.95.

Man Against Pain. 3000 years of effort to understand and relieve physical suffering. Bernard Seeman. Chilton, Philadelphia, 1962. 209 pp. \$3.95.

Man's Physical World. Joseph E. Van Riper. McGraw-Hill, New York, 1962. 646 pp. Illus. \$8.50.

The Mind as Nature. Loren Eiseley. Harper and Row, New York, 1962. 60 pp. \$2.75.

The Physical World of Late Antiquity. S. Sambursky. Basic Books, New York, 1962. 201 pp. Illus. \$5.75.

Pius XII and Technology. Leo J. Haight, Ed. Bruce, Milwaukee, Wis., 1962. 270 pp. \$4.75.

Retracing Elementary Mathematics. Leon Henkin, W. Norman Smith, Verne J. Varineau, and Michael J. Walsh. Macmillan, New York, 1962. 436 pp. Illus.

Russia and the West under Lenin and Stalin. George F. Kennan. New American Library, New York (© 1960), 1962. 384 pp. Paper, 95¢.

Sahara Story. Edward Ward. Norton, New York, 1962. 192 pp. Illus. \$4.50.

Satellites as a Hobby. Lloyd Mallan. Hammond, Maplewood, N.J., 1962. 45 pp. Illus. \$1.

Science, a Key to the Future. J. Darrell Barnard, Celia Stendler, Benjamin Spock, and Lon Edwards. Macmillan, New York, 1962. 639 pp. Illus.

Standard Encyclopedia of the World's Oceans and Islands. Anthony Huxley, Ed. Putnam, New York, 1962. 383 pp. Illus. Until 1 January, \$9.95; \$10.95.

The Structure of Scientific Revolutions. Thomas S. Kuhn. Univ. of Chicago Press, Chicago, 1962. 187 pp. \$4.

Themis. A study of the social origins of Greek religion. Jane Ellen Harrison. World, Cleveland, 1962 (reprint of ed. 2, 1927). 595 pp. Illus. \$2.45.

Trail Blazers of Technology. The story of nine inventors. Harland Manchester. Scribner, New York, 1962. 215 pp. Illus. \$3.50.

Trigonometry Review. Sally Lipsey. Youth Education Systems, Larchmont, N.Y., 1960. 142 pp. Illus. Paper, \$1.50.

The Value of Water in Alternative Uses. With special application to water use in the San Juan and Rio Grande basins of New Mexico. Nathaniel Wollman. Univ. of New Mexico Press, Albuquerque, 1962. 448 pp. Illus. \$10.