

be particularly useful to the nonspecialist. The book covers, but in more detail, the material on chemical weathering normally covered in a course in sedimentology or geochemistry. An introductory chapter on the structure and properties of silicate minerals makes the book reasonably self-containing. This is followed by chapters on chemical and environmental factors that influence weathering. The discussion on the inorganic chemistry of weathering is reasonably comprehensive, but there is insufficient coverage of the role of organic material. Though the role of primitive organisms in weathering is extremely interesting and of considerable importance it is not mentioned. There is one chapter, with numerous examples, on the effects of chemical weathering on the various rock types. The last chapter contains a discussion of soil formation and gives examples of the various soil types. The author is Australian, and quite naturally a large portion of the examples in the book are from Australia.

In view of current concern with chemical pollutants, a chapter on man-made chemical weathering would have been useful. But then Australia is not as polluted as the United States.

Loughnan has succeeded in compiling a short, easy-reading review covering most aspects of the chemical weathering of silicate rocks. In view of the lack of books on this subject it should be well received by graduate earth science students and scientists from related fields.

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## Books Received

**Academia in Anarchy.** An Economic Diagnosis. James M. Buchanan and Nicos E. Devletoglou. Basic Books, New York, 1970. xvi + 192 pp. \$5.95.

**Advances in Electronics and Electron Physics.** Vol. 27. L. Marton and Claire Marton, Eds. Academic Press, New York, 1969. x + 358 pp., illus. \$18.50.

**Automation and Behaviour.** A Social Psychological Study. J. K. Chadwick-Jones. Wiley-Interscience, New York, 1969. xii + 166 pp., illus. \$8.95.

**Basic Principles of Ligand Field Theory.** Hans L. Schäfer and Günter Gliemann. Translated from the German by David F. Ilten. Wiley-Interscience, New York, 1969. xvi + 536 pp., illus. \$22.

**Behavior Modification in the Natural**

**Environment.** Roland G. Tharp and Ralph J. Wetzel. Academic Press, New York, 1969. xvi + 240 pp., illus. \$10.

**The Biological Basis of Medicine.** Vol. 6. E. Edward Bittar and Neville Bittar, Eds. Academic Press, New York, 1969. xvi + 618 pp., illus. \$19.50.

**Biology of Microorganisms.** Thomas D. Brock. Prentice-Hall, Englewood Cliffs, N.J., 1970. xiv + 738 pp., illus. \$12.95. Biological Science Series.

**Career Development.** Growth and Crisis. Arthur Maynard Kroll, Lillian Brandon Dinklage, Jennifer Lee, Eileen Dorothy Morley, and Eugene Heber Wilson. Wiley, New York, 1970. x + 262 pp. \$8.95.

**Challenge for Survival.** Land, Air, and Water for Man in Megalopolis. A symposium, New York, April 1968. Pierre Dansereau, Ed., with the assistance of Virginia A. Weadock. Columbia University Press, New York, 1970. xvi + 240 pp. \$7.95.

**Comprehensive Urban Planning.** A Selective Annotated Bibliography with Related Materials. Melville C. Branch. Sage, Beverly Hills, Calif., 1970. 480 pp. \$20.

**The Computation of Chemical Equilibria.** F. van Zeggeren and S. H. Storey. Cambridge University Press, New York, 1970. xiv + 178 pp. \$8.50.

**Country Editor's Boy.** Hal Borland. Lipincott, Philadelphia, 1970. 318 pp. \$5.95.

**Data: Mirrors of Science.** R. Houwink. Elsevier, New York, 1970. x + 214 pp., illus. \$9.50.

**Early Solar Physics.** A. J. Meadows. Pergamon, New York, 1970. viii + 312 pp., illus. Cloth, \$7; paper, \$4.75. Commonwealth and International Library: Selected Readings in Physics.

**The Economics of the Chemical Industry.** Jules Backman. Manufacturing Chemists Association, Washington, D.C., 1970. xiv + 362 pp., illus. Paper, \$2.50. Studies in Chemical Economics Series.

**The Freer Chinese Bronzes.** Vol. 2, Technical Studies. Rutherford John Gettens. Smithsonian Institution, Washington, D.C., 1969. xx + 260 pp., illus. \$20. Freer Gallery of Art Oriental Studies, No. 7. Smithsonian Publication 4706.

**Freud and Philosophy.** An Essay on Interpretation. Paul Ricoeur. Translated from the French by Denis Savage. Yale University Press, New Haven, Conn., 1970. xviii + 574 pp. \$15. Dwight Harrington Terry Foundation Lectures, New Haven, 1961-62, vol. 38.

**Geographical Regions of Nigeria.** Reuben K. Udo. University of California Press, Berkeley, 1970. xii + 212 pp., illus. \$9.50.

**Global Analysis.** Papers in Honor of K. Kodaira. D. C. Spencer and S. Iyanaga, Ed. University of Tokyo Press, Tokyo; Princeton University Press, Princeton, N.J., 1969. vi + 414 pp. \$14.50. Princeton Mathematical Series, No. 29.

**Health and Disease in Farm Animals.** For Those Concerned with Animal Husbandry. W. H. Parker. Pergamon, New York, 1970. x + 302 pp., illus. Cloth, \$6.25; paper, \$4.75. Commonwealth and International Library: Veterinary Science Division.

**The Interaction of Science and Technology.** A symposium, Urbana, Ill., Octo-

ber 1967. W. Dale Compton, Ed. University of Illinois Press, Urbana, 1969. vii + 144 pp. \$5.50.

**My Several Lives.** Memoirs of a Social Inventor. James B. Conant. Harper and Row, New York, 1970. xvi + 702 pp. + plates. \$12.50.

**New Polymeric Materials.** A seminar, Brooklyn, June 1968. Paul F. Bruins, Ed. Interscience (Wiley), New York, 1969. viii + 232 pp., illus. Paper, \$9.50. Applied Polymer Symposia, No. 11.

**Observations on Man, His Frame, His Duty and His Expectations.** The 23rd Arthur Stanley Eddington Memorial Lecture, Cambridge University, London, November 1969. W. Grey Walter. Cambridge University Press, New York, 1969. 44 pp. Paper, \$1.25.

**Palaeopathology.** Diseases and Injuries of Prehistoric Man. Paul A. Janssens. Translated by Ida Dequeecker. Baker, London; Humanities Press, New York, 1970. xiv + 170 pp. + plates. \$8.50.

**Pathology of Erythroblastic Mitosis in Occupational Benzenic Erythropathy and Erythremia.** In vivo and in vitro Studies. E. G. Rondanelli, P. Gorini, G. Gerna, and E. Magliulo. Karger, Basel, 1970 (U.S. distributor, Phiebig, White Plains, N.Y.). x + 188 pp., illus. Paper, \$15.10. Published as *Bibliotheca Haematologica*, No. 35.

**Proceedings of the 28th International Congress on Alcohol and Alcoholism.** Washington, D.C., September 1968. Vol. 2, Lectures in Plenary Sessions. Mark Keller and Timothy G. Coffey, Eds. Hillhouse, Highland Park, N.J., 1969. xviii + 254 pp. \$7.50.

**The Riverton Culture.** A Second Millennium Occupation in the Central Wabash Valley. Howard Dalton Winters. Illinois State Museum, Springfield; Illinois Archaeological Survey, Urbana, 1969. xiv + 166 pp. + plates. Paper, \$5. Illinois State Museum: Report of Investigations, No. 13; Illinois Archaeological Survey: Monograph No. 1.

**Science and Industry in the Nineteenth Century.** J. D. Bernal. Indiana University Press, Bloomington, ed. 2, 1970. xvi + 236 pp., illus. Cloth, \$6.50; paper, \$2.95.

**Topics in Harmonic Analysis.** Related to the Littlewood-Paley Theory. Elias M. Stein. Princeton University Press, Princeton, N.J.; University of Tokyo Press, Tokyo, 1970. x + 150 pp. Paper, \$4.50. *Annals of Mathematics Studies*, No. 63.

**Toward a History of Geology.** Proceedings of the New Hampshire Inter-Disciplinary Conference, Durham, September 1967. Cecil J. Schneer, Ed. M.I.T. Press, Cambridge, Mass., 1969. vi + 474 pp., illus. \$22.50.

**Toward Century 21.** Technology, Society, and Human Values. C. S. Wallia, Ed. Basic Books, New York, 1970. xviii + 318 pp. \$8.95.

**Turfgrass Science.** A. A. Hanson and F. V. Juska, Eds. American Society of Agronomy, Madison, Wis., 1969. xviii + 718 pp., illus. \$12.50; to ASA members, \$10. Agronomy, No. 14.

**Use of Pesticides and Control of Economic Pests and Diseases in Indonesia.** H. P. Oei-Dharma. Brill, Leiden, Holland, 1969. xii + 200 pp., illus. 42 G.