

ation as well as controlling diffusion rates of reagents are emphasized. Other topics considered include crystal size and perfection, crystal doping, silica gel inclusions (especially in calcium carbonate), and the reimplanting of crystals. Henisch further outlines research based on gel-grown crystals (for example, calcium tartrate, lead iodide) and reviews unsolved theoretical problems regarding the growth of crystals by this method.

The book is well illustrated, but unfortunately magnification factors for several photographs are lacking. Since Liesegang rings are mentioned several times, the book would have been strengthened by a short discussion of the theory of this phenomenon as it relates to the current work.

Everyone interested in crystals, ranging from those who are only impressed by their beauty to researchers concerned with their structures and properties, would benefit from reading this relatively short book.

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## Books Received

**The Aborigines and Their Country.** Charles P. Mountford. Rigby, Adelaide, Australia; Humanities Press, New York, 1969. 144 pp., illus. \$8.

**Advances in Space Science and Technology.** Vol. 10. Frederick I. Ordway, III, Ed. Academic Press, New York, 1970. xx, 288 pp., illus. \$7.

**The Albatross of Midway Island.** A Natural History of the Laysan Albatross. Mildred L. Fisher. Southern Illinois University Press, Carbondale; Feffer and Simons, London, 1970. xii, 164 pp., illus. \$5.95.

**Alfred Kroeber.** A Personal Configuration. Theodora Kroeber. University of California Press, Berkeley, 1970. xii, 292 pp., illus. \$7.95.

**Behind Appearance.** A Study of the Relations between Painting and the Natural Sciences in This Century. C. H. Waddington. M.I.T. Press, Cambridge, Mass., 1970. xii, 258 pp., illus. \$25.

**Birth Control in America.** The Career of Margaret Sanger. David M. Kennedy. Yale University Press, New Haven, Conn., 1970. xvi, 322 pp. \$8.75. Yale Publications in American Studies, No. 18.

**Cell Separation.** Methods in Hematology. J. Harry Cutts. Academic Press, New York, 1970. xii, 228 pp., illus. \$12.50.

**Chemical Energetics and the Curriculum.** D. J. Millen, Ed. Elsevier, New York, 1969. 192 pp., illus. \$6.50.

**Children Growing Up.** The Development of Children's Personalities. John Gabriel. Elsevier, New York, ed. 3, 1969. 480 pp., illus. \$6.75.

**Clinical Gastroenterology.** Howard M. Spiro. Macmillan, New York; Collier-Macmillan, London, 1970. xxiv, 1016 pp., illus. \$35.

**Dollars for Research.** Science and Its Patrons in Nineteenth-Century America. Howard S. Miller. University of Washington Press, Seattle, 1970. xiv, 258 pp. + plates. \$9.50.

**Embodiments of Mind.** Warren S. McCulloch. M.I.T. Press, Cambridge, Mass., 1970. xxii, 410 pp., illus. Paper, \$2.95. Reprint of the 1965 edition.

**Erythropoietin and the Regulation of Erythropoiesis.** Sanford B. Krantz and Leon O. Jacobson. University of Chicago Press, Chicago, 1970. x, 330 pp. \$9.75.

**Focus on Physics.** Electricity and Magnetism I—Electrostatics. Morton Tavel. Barnes and Noble, New York, 1970. x, 110 pp., illus. Paper, \$1.25. College Outline Series, No. 127.

**Geometrical Optics.** Hans-Georg Zimmer. Springer-Verlag, New York, 1970. viii, 172 pp., illus. \$9.40. Applied Physics and Engineering, vol. 9.

**History of Mathematical Logic from Leibniz to Peano.** N. I. Styazhkin. Translated from the Russian edition (Moscow, 1964). M.I.T. Press, Cambridge, Mass., 1969. x, 342 pp., illus. \$12.50.

**The Infinite Worlds of Giordano Bruno.** Antoinette Mann Paterson. Thomas, Springfield, Ill., 1970. xii, 228 pp. \$14.50. American Lecture Series, No. 760.

**Introduction to Valence Theory.** Jean Worrall and I. J. Worrall. Elsevier, New York, 1969. viii, 106 pp., illus. Paper, \$3.95.

**The Killer Storms.** Hurricanes, Typhoons, and Tornadoes. Gary Jennings. Lippincott, Philadelphia, 1970. 208 pp., illus. \$4.95.

**Listening and Attention.** Neville Moray. Penguin, Baltimore, 1969. 112 pp., illus. Paper, \$1.45. Penguin Science of Behaviour.

**Man and the Natural World.** An Introduction to Life Science. Coleman J. Goin and Olive B. Goin. Macmillan, New York; Collier-Macmillan, London, 1970. xii, 644 pp., illus. \$9.95. Macmillan Biology Series.

**Microwave Filters and Circuits.** Contributions from Japan. Akio Matsumoto, Ed. Academic Press, New York, 1970. xvi, 352 pp., illus. \$16.50. Advances in Microwaves, Suppl. 1.

**The Modern Researcher.** Jacques Barzun and Henry F. Graff. Harcourt, Brace and World, New York, 1970. xviii, 430 pp. \$8.50. Revised version of the 1957 edition.

**Moment in the Sun.** A Report on the Deteriorating Quality of the American Environment. Robert Rienow and Leona Train Rienow. Ballantine, New York, 1970. xiv, 370 pp. Paper, 95¢. Reprint of the 1967 edition.

**Nineteenth-Century Spectroscopy.** Development of the Understanding of Spectra 1802–1897. William McGucken. Johns Hopkins Press, Baltimore, 1970. xiv, 242 pp., illus. \$11.

**Non-equilibrium Thermodynamics.** Field Theory and Variational Principles. István Gyarmati. Translated from the Hungarian edition (Budapest, 1967) by Eve Gyarmati and Wolfgang F. Heinz. Springer-Verlag, New York, 1970. xii, 184 pp., illus. \$10.50. Engineering Science Library.

**Nuclear Reactions.** I. E. McCarthy. Pergamon, New York, 1970. viii, 328 pp., illus. Cloth, \$7; paper, \$5.50. Commonwealth and International Library: Selected Readings in Physics.

**Nutrition in Preschool and School Age.** A symposium, Tylösand, Sweden, August 1968. Gunnar Blix and Sylvia Molin, Eds. Almqvist and Wiksells, Stockholm, 1969. 154 pp., illus. Kr 45. Symposia of the Swedish Nutrition Foundation, No. 7.

**Organization and Control in Prokaryotic and Eukaryotic Cells.** A symposium, London, April 1970. Published for the Society for General Microbiology by Cambridge University Press, New York, 1970. xii, 460 pp. + plates. \$16. SGM Symposium 20.

**Papers in Plant Physiology.** William S. Hillman. Holt, Rinehart and Winston, New York, 1970. xvi, 592 pp., illus. Paper, \$7.95.

**Pattern Recognition.** M. Bongard. Joseph K. Hawkins, Ed. Translated from the Russian edition (Moscow, 1967) by Theodore Cheron. Spartan, New York, 1970. xviii, 254 pp., illus. \$12.95.

**Perinatal Factors Affecting Human Development.** Proceedings of a meeting, Washington, D.C., June 1969. Pan American Health Organization, Washington, D.C., 1969. viii, 254 pp., illus. Paper, \$3.50. Scientific Publication No. 185.

**Persuasion.** How Opinions and Attitudes Are Changed. Marvin Karlins and Herbert I. Abelson. Springer, New York, ed. 2, 1970. xii, 180 pp. \$4.95.

**Physical Chemistry.** Eugene J. Rosenbaum. Appleton-Century-Crofts, New York, 1970. xii, 684 pp., illus. \$12.95.

**Physical Surfaces.** J. J. Bikerman. Academic Press, New York, 1970. x, 478 pp., illus. \$25. Physical Chemistry, vol. 20.

**The Pill on Trial.** Paul Vaughan. Coward-McCann, New York, 1970. x, 244 pp. \$5.95.

**Plane Trigonometry.** A New Approach. C. L. Johnston. Appleton-Century-Crofts, New York, 1970. xii, 272 pp., illus. + tables. \$7.50. Appleton-Century Mathematics Series.

**Plastic Product Design.** Ronald D. Beck. Van Nostrand Reinhold, New York, 1970. viii, 472 pp., illus. \$13.95.

**Plume Rise.** G. A. Briggs. Prepared for the Nuclear Safety Information Center by the Division of Technical Information, U.S. Atomic Energy Commission, Oak Ridge, Tenn., 1969 (available as TID-25075 from the Clearinghouse for Federal Scientific and Technical Information, Springfield, Va.). vi, 82 pp., illus. Paper, \$3. AEC Critical Review Series.

**Politics of the Chaco Peace Conference, 1935–1939.** Leslie B. Rout, Jr. Published for the Institute of Latin American Studies by the University of Texas Press, Austin, 1970. xviii, 268 pp. + plates. \$7.50. Latin American Monographs, No. 19.

**Poverty Warriors.** The Human Experience of Planned Social Intervention. Louis A. Zurcher, Jr. Published for the Hogg Foundation for Mental Health by the University of Texas Press, Austin, 1970. xxvi, 442 pp. \$10. Hogg Foundation Research Series.

**Principles of Pulse Code Modulation.** K. W. Cattermole. Iliffe, London; Elsevier, New York, 1969. 448 pp., illus. \$17.50.

(Continued on page 477)

## BOOKS RECEIVED

(Continued from page 434)

**The Production and Hazards of a Hyperbaric Oxygen Environment.** Proceedings of a symposium, London, January 1968. G. S. Innes, Ed. Pergamon, New York, 1970. x, 122 pp., illus. \$5.50.

**Progress in Nucleic Acid Research and Molecular Biology.** Vol. 10. J. N. Davidson and Waldo E. Cohn, Eds. Academic Press, New York, 1970. xxiv, 288 pp., illus. \$14.50.

**The Psychology and Education of the Young.** A Guide to the Principles of Development, Learning and Assessment. Margaret Munro. Elsevier, New York, 1969. viii, 294 pp. \$4.95.

**Psychosocial and Educational Aspects and Problems of Mental Retardation.** Robert M. Allen and Arnold D. Cortazzo. Thomas, Springfield, Ill., 1970. xii, 124 pp. \$6.

**Rank Order Probabilities.** Two-Sample Normal Shift Alternatives. Roy C. Milton. Wiley, New York, 1970. xvi, 304 pp., illus. \$12.95. Wiley Series in Applied Statistics.

**Recent Advances in Researches on Filariasis and Schistosomiasis in Japan.** Manabu Sasa, Ed. University of Tokyo Press, Tokyo; University Park Press, Baltimore, Md., 1970. xiv, 402 pp., illus. \$21.

**Regional Ecology.** The Study of Man's Environment. Robert E. Dickinson. Wiley, New York, 1970. xiv, 200 pp. \$6.95.

**Regular and Related Solutions.** The Solubility of Gases, Liquids, and Solids. Joel H. Hildebrand, John M. Prausnitz, and Robert L. Scott. Van Nostrand Reinhold, New York, 1970. x, 228 pp., illus. \$10.95.

**The Research Act.** A Theoretical Introduction to Sociological Methods. Norman K. Denzin. Aldine, Chicago, 1970. xviii, 370 pp. \$9.50.

**A Revision of the Termites of the Genus Meacrotermes from the Ethiopian Region (Isoptera: Termitidae).** Jean-Emile Ruelle. Trustees of the British Museum (Natural History), London, 1970. Illus. Paper, £2.60. Entomological Series of the Bulletin of the British Museum, vol. 24, No. 9, pp. 363-444.

**Russian Derivational Dictionary.** Dean S. Worth, Andrew S. Kozak, and Donald B. Johnson. Elsevier, New York, 1970. xxiv, 750 pp. \$22.95.

**Science and Technology in the World of the Future.** Arthur B. Bronwell, Ed. Wiley-Interscience, New York, 1970. xxii, 394 pp., illus. \$11.95.

**The Science of the Clouds.** R. A. R. Tricker. Mills and Boon, London; Elsevier, New York, 1970. 144 pp., illus. + plates. \$6.95.

**Seismic Design in Nuclear Power Plants.** A conference, Cambridge, Mass., 1969. Robert J. Hansen, Ed. M.I.T. Press, Cambridge, 1970. xiv, 496 pp., illus. \$17.50.

**Semiconductors and Semimetals.** Vol. 5, Infrared Detectors. R. K. Willardson and Albert C. Beer, Eds. Academic Press, New York, 1970. xiv, 552 pp., illus. \$26.

**A Short History of Botany in the United States.** Joseph Ewan, Ed. Hafner, New York, 1969. x, 174 pp. \$7.50.

**Sierra Nevada.** Verna R. Johnston. Illustrated with photographs by the author and maps by Samuel H. Bryant. Houghton Mifflin, Boston, 1970. xx, 282 pp. +

plates. \$7.95. The Naturalist's America, vol. 2.

**The Social Contract.** A Personal Inquiry into the Evolutionary Sources of Order and Disorder. Robert Ardrey. Drawings by Berdine Ardrey. Atheneum, New York, 1970. x, 406 pp., illus. \$10.

**A Sociology of Sociology.** Robert W. Friedrichs. Free Press, New York; Collier-Macmillan, London, 1970. xxiv, 432 pp. \$11.95.

**Soils.** Their Nature, Classes, Distribution, Uses, and Care. J. Sullivan Gibson and James W. Batten. University of Alabama Press, University, 1970. xviii, 298 pp., illus. \$7.

**Spark Chambers.** Otto Claus Allkofer. Under the cooperation of Wolf-Dieter Dau and Claus Gruppen. Verlag Karl Thieme, Munich, 1969. xii, 248 pp., illus. \$15.

**Spins in Chemistry.** R. McWeeny. Academic Press, New York, 1970. xii, 156 pp., illus. \$8.50. Current Chemical Concepts. Monograph of the Polytechnic Institute of Brooklyn.

**A Stereotaxic Brain Atlas for Macaca nemestrina.** W. D. Winters, R. T. Kado, and W. R. Adey. University of California Press, Berkeley, 1969. xiv, 94 pp., illus. \$18.50.

**Taxonomist's Glossary of Genitalia in Insects.** S. L. Tuxen, Ed. Munksgaard, Copenhagen, ed. 2, 1970. 360 pp., illus. Kr. 200. Scandinavian University Books.

**Techniques for Plant Electron Microscopy.** B. E. Juniper, G. C. Cox, A. J. Gilchrist, and P. R. Williams. Blackwell Scientific Publications, Oxford, England, 1970 (U.S. distributor, Davis, Philadelphia). xii, 108 pp., illus. \$3.50.

**Technological Change.** Its Impact on Man and Society. Emmanuel G. Mesthene. Harvard University Press, Cambridge, Mass., 1970. 128 pp. \$4.95.

**Technology, Management and Society.** Essays by Peter F. Drucker. Harper and Row, New York, 1970. xii, 212 pp. \$5.95.

**Theories of Light.** From Descartes to Newton. A. I. Sabra. Oldbourne, London, 1970 (U.S. distributor, Elsevier, New York). 364 pp., illus. \$12.75. Oldbourne History of Science Library.

**Topics in Applied Quantumelectrodynamics.** Paul Urban. Springer-Verlag, New York, 1970. viii, 268 pp. \$15.85.

**The Tyranny of the Experts.** How Professionals Are Closing the Open Society. Jethro K. Lieberman. Walker, New York, 1970. viii, 318 pp. \$8.50.

**Vector Analysis for Mathematicians, Scientists and Engineers.** S. Simons. Pergamon, New York, ed. 2, 1970. viii, 192 pp., illus. Cloth, \$4.75; paper, \$2.25. Commonwealth and International Library: Physics Division.

**Vigilance and Habituation.** A Neuropsychological Approach. Jane F. Mackworth. Penguin, Baltimore, 1970. 240 pp., illus. Paper, \$1.95. Penguin Science of Behaviour.

**Viruses as a Cause of Cancer.** A Report on Research. American Cancer Society, New York, 1969. 28 pp. Paper.

**Where Medicine Fails.** Anselm L. Strauss, Ed. Aldine, Chicago, 1970. x, 174 pp. Paper, \$2.45. Trans-action Book 4.

**The Year Book of the Royal Society of London 1970.** (Royal Society of London, 1970). 432 pp. \$2.75.

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**M.D.-Ph.D. Research Team** in psychobiology, psychopathology, and addiction seeking research setting of small size in pleasant place to provide space and facilities for grant. Substantial contributions. Box 397, SCIENCE. X

**Medical Writer,** M.S., bacteriology, formerly Chief, Technical Literature and Consulting Medical Editor for major pharmaceutical firm; for full-time work in Houston or free-lance of all sorts anywhere. Résumé. Box 398, SCIENCE. X