

totals and as distributed across varying population densities; of treatment patterns and facility utilization; of costs of health care, per unit, in the aggregate, and as percentages of national income; and of morbidity and mortality rates—only lead the author to very general conclusions. Example: "The conclusion is suggested that the dominant reason why the Swedish mortality rates are lower than in any state in the United States is a high minimum standard of living for everyone and a cultural homogeneity of life styles of sanitation and cleanliness."

Such a conclusion, broad though it is, is not without implications for social policy. Anderson, like Schwartz, suggests that "the elimination of poverty in the United States in the sense true for Sweden would be more likely to bring mortality rates closer to Sweden than a policy limited to health services only." I do not know anyone who would argue that point. But it seems to me that, after ginning up a wealth of information which would permit a tentative answer, the author begs the question he poses in his title. Or at least he does not gather the evidence scattered throughout the book into a pertinent conclusion.

Anderson finds, not surprisingly, that none of the three systems is perfectly equitable; nor, he stresses, can any medical care system provide "equality of access in its pure form." Thus the search for a better system goes forward in Sweden and England as well as in the United States. Meanwhile: (i) The lower fetal and infant mortality rates in Sweden and England are undoubtedly related to the "more coordinated, easily accessible care" available in those countries (pp. 149–150). (ii) The difference in mortality rates, which are higher in the United States at every age level (and affected shamefully by higher rates among blacks than among whites), is "probably too great to be explained by social conditions and undoubtedly reflects an actual difference in available care" (p. 151). (iii) "Income-class differences were generally found in the United States but not in Sweden for physician services and drugs" (p. 159). And (iv) the U.S. system provides far less protection of "family financial solvency" in the event of medical need than do the other two countries (p. 160).

Thus whether there can ever be perfect equity, or perfect efficacy, Ander-

son seems to have found that two other health care systems have certain advantages over ours. They also have their debits, as Anderson also shows, and the United States has strengths that few people would want to give up. In the end, we must devise our own improvements. May the movement continue with all due speed.

STEPHEN P. STRICKLAND  
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## Books Received

**Accountability.** Systems Planning in Education. Creta D. Sabine, Ed. ETC Publications, Homewood, Ill., 1973. xiv, 242 pp., illus. \$8.95.

**The Actinide Elements.** K. W. Bagnall. Elsevier, New York, 1973. xii, 272 pp., illus. \$27.75. Topics in Inorganic and General Chemistry, Monograph 15.

**Alfred V. Kidder.** Richard B. Woodbury. Columbia University Press, New York, 1973. viii, 200 pp., illus. Cloth, \$8; paper, \$2.95. Leaders of Modern Anthropology Series.

**Annual Editions Readings in Biology, '73-'74.** Annual Editions (Dushkin), Guilford, Conn., 1973. xiv, 114 pp., illus. Paper, \$2.95.

**Annual Review of Ecology and Systematics.** Vol. 3. Richard F. Johnston, Peter W. Frank, and Charles D. Michener, Eds. Annual Reviews, Palo Alto, Calif., 1972. x, 520 pp., illus. \$10.

**Annual Review of Entomology.** Vol. 18. Ray F. Smith, Thomas E. Mittler, and Carroll N. Smith, Eds. Published in cooperation with the Entomological Society of America by Annual Reviews, Palo Alto, Calif., 1973. xii, 512 pp. \$10.

**Annual Review of Nuclear Science.** Vol. 22. Emilio Segrè, J. Robb Grover, and H. Pierre Noyes, Eds. Annual Reviews, Palo Alto, Calif., 1972. viii, 506 pp., illus. \$10.

**Arthritis and Back Pain.** J. Crawford Adams. University Park Press, Baltimore, 1973. 200 pp., illus. \$7.50.

**Atomic Absorption Spectrometry in Geology.** Ernest E. Angino and Gale K. Billings. Elsevier, New York, ed. 2, 1973. x, 192 pp., illus. \$13.50. Methods in Geochemistry and Geophysics, vol. 7.

**Attraction of Moths to Light and to Infrared Radiation.** Henry S. Hsiao. San Francisco Press, San Francisco, 1972. vi, 90 pp., illus. \$7.50.

**Behavior Modification.** Theory and Practice. A. Robert Sherman. Brooks/Cole (Wadsworth), Monterey, Calif., 1973. viii, 184 pp. Paper, \$2.95.

**Black Monday's Children.** A Study of the Effects of School Desegregation on Self-Concepts of Southern Children. Gloria J. Powell with special assistance of Marielle Fuller. Appleton-Century-Crofts (Meredith), New York, 1973. viii, 334 pp., illus. \$16.50.

**Buoyancy Effects in Fluids.** J. S. Turner. Cambridge University Press, New York,

1973. xvi, 368 pp., illus. \$29.50. Cambridge Monographs on Mechanics and Applied Mathematics.

**Cell Physiology.** John L. Howland. Macmillan, New York, and Collier-Macmillan, London, 1973. viii, 472 pp., illus. \$12.95.

**Centers for Innovation in the Cities and States.** Frederick O'R. Hayes and John E. Rasmussen, Eds. San Francisco Press, San Francisco, 1972. xvi, 462 pp., illus. \$12.50.

**The Changing Family.** Betty Yorburg. Columbia University Press, New York, 1973. xii, 230 pp. Cloth, \$9; paper, \$2.95.

**The City—New Town or Home Town?** Felizitas Lenz-Romeiss. Translated from the German edition (Munich, 1970) by Edith Küstner and J. A. Underwood. Praeger, New York, 1973. xvi, 154 pp. \$8.95.

**Coherence of Light.** Jan Perina. T. W. Preist, Translation Ed. Van Nostrand Reinhold, New York, 1973. 316 pp., illus. \$19.95. Modern University Physics Series.

**Collecting and Preserving Plants and Animals.** Jens W. Knudsen. Harper and Row, New York, 1972. x, 320 pp., illus. Paper, \$5.

**A Commentary on the Metallogenic Map of Australia and Papua New Guinea.** R. G. Warren. Australian Government Publishing Service, Canberra, 1972. vi, 86 pp., illus., + maps. \$5 Australian. Bureau of Mineral Resources, Geology and Geophysics, Bulletin 145.

**Commutative Algebra.** Elements of Mathematics. Nicholas Bourbaki. Translated from the French edition (Paris, 1964–1969). Hermann, Paris, and Addison-Wesley, Reading, Mass., 1973. xxiv, 626 pp. \$30. Adiwes International Series in Mathematics.

**Complex Numbers.** A Study in Algebraic Structure. W. H. Cockroft. Chapman and Hall, London, and Halsted (Wiley), New York, 1972. viii, 182 pp., illus. Paper, \$6.25. Chapman and Hall Mathematics Series.

**Computer Diagnosis and Diagnostic Methods.** Proceedings of a conference, Ann Arbor, Mich. John A. Jacquez. Thomas, Springfield, Ill., 1972. xiv, 398 pp., illus. \$19.75.

**Computer Glossary for Engineers and Scientists.** Wen M. Chow and Charles J. Sippl. Funk and Wagnalls, New York, 1973. viii, 246 pp., illus. \$6.95. Funk and Wagnalls Library of Computer Science.

**Contributions of the Biological Sciences to Human Welfare.** Sponsored by the American Biology Council. Federation of American Societies for Experimental Biology, Bethesda, Md., 1973. 144 pp., illus. Paper, \$5. *Federation Proceedings*, Part 2, Nov.–Dec. 1972.

**Control of Electric Machines.** Irving L. Kosow. Prentice-Hall, Englewood Cliffs, N.J., 1973. xx, 376 pp., illus. \$15.95. Prentice-Hall Series in Electronic Technology.

**Elements of Structural Stability.** J. G. Croll and A. C. Walker. Halsted (Wiley), New York, 1973. xii, 224 pp., illus. \$15.

**Fetal Pharmacology.** A symposium, Stockholm, Dec. 1971. Lars O. Boréus,

(Continued on page 667)

## BOOKS RECEIVED

(Continued from page 631)

Ed. Raven, New York, 1973. xviii, 486 pp., illus. \$21.50.

**Genetics.** Questions and Problems. John Kuspira and G. W. Walker. McGraw-Hill, New York, 1973. viii, 776 pp., illus. Paper, \$8.50.

**The Interrelationship of the Immune Response and Cancer.** Proceedings of a symposium, San Francisco, Oct. 1971. Jerome M. Vaeth, Ed. University Park Press, Baltimore, 1972. viii, 222 pp., illus. \$19.50. *Frontiers of Radiation Therapy and Oncology*, vol. 7.

**Introduction to Applied Probability.** Paul E. Pfeiffer and David A. Schum. Academic Press, New York, 1973. xvi, 404 pp., illus. \$11.95.

**Introduction to Engineering Materials.** V. B. John. Barnes and Noble (Harper and Row), New York, 1973. xiv, 276 pp., illus. \$10.

**Introduction to Molecular Photochemistry.** C. H. J. Wells. Chapman and Hall, London, and Halsted (Wiley), New York, 1972. xii, 146 pp., illus. Paper, \$5.25. *Chapman and Hall Chemistry Textbook Series*.

**An Introduction to Radiation Protection.** Alan Martin and Samuel A. Harbison. Chapman and Hall, London, and Halsted (Wiley), New York, 1973. xii, 216 pp., illus., + plates. Cloth, \$7.75; paper, \$4.75.

**Infectious Diseases.** A Guide to the Understanding and Management of Infectious Processes. Paul D. Hoeprich, Ed. Harper and Row, New York, 1972. xxxiv, 1358 pp., illus. \$42.50.

**Laser Handbook.** F. T. Arecchi and E. O. Schulz-Dubois, Eds. North-Holland, Amsterdam, and Elsevier, New York, 1973. 2 vols. xlviii, 1948 pp., illus. \$175.

**Life before Man.** Peter Wood, Louis Vaczek, Dora Jane Hamblin, and Jonathan Norton Leonard. Time-Life, New York, 1973. 160 pp., illus. \$7.95. *The Emergence of Man*.

**Life before Man.** Zdenek V. Špinar. Illustrated by Zdenek Burian. American Heritage (McGraw-Hill), New York, 1972. 228 pp. \$8.95.

**Metabolic Compartmentation in the Brain.** Proceedings of a symposium, Bellagio, Italy, July 1971. R. Balázs and J. E. Cremer, Eds. Halsted (Wiley), New York, 1973. xiv, 384 pp., illus. \$29.50.

**Metallic Materials Specification Handbook.** Robert B. Ross. Spon, London, and Halsted (Wiley), New York, ed. 2, 1973. x, 834 pp., illus. \$25.

**The Milky Way.** An Elusive Road for Science. Stanley L. Jaki. Science History (Watson), New York, 1973. x, 352 pp., illus. \$14.95.

**Models in Archaeology.** David L. Clarke, Ed. Methuen, London, 1973 (U.S. distributor, Barnes and Noble [Harper and Row], New York). xxiv, 1056 pp., illus. \$55; after 1 June, \$62.50.

**Modern Europe.** An Anthropological Perspective. Robert T. Anderson. Goodyear, Pacific Palisades, Calif., 1973. xii, 164 pp. Cloth, \$6; paper, \$4.95. *Goodyear Regional Anthropology Series*.

**Modern Inorganic Chemistry.** J. J.

Lagowski. Dekker, New York, 1973. xvi, 806 pp., illus. \$13.75.

**Molecular Biology.** An Introduction to Chemical Genetics. J. M. Barry and E. M. Barry. Prentice-Hall, Englewood Cliffs, N.J., xiv, 142 pp., illus. Cloth, \$9.95; paper, \$4.95. *Concepts of Modern Biology Series*.

**Molecular Mechanisms of Antibiotic Action on Protein Biosynthesis and Membranes.** Proceedings of a symposium, Granada, Spain, June 1971. Elsevier, New York, 1972. xvi, 804 pp., illus. \$27.50.

**Nucleic Acids and Proteins in Higher Plants.** Proceedings of a symposium, Tihany, Hungary, Sept. 1971. G. L. Farkas, Ed. Akadémiai Kiadó, Budapest, 1972. 372 pp., illus. \$15. *Symposia Biologica Hungarica*, vol. 13.

**Organic Electrochemistry.** An Introduction and a Guide. Manuel M. Baizer. Dekker, New York, 1973. xx, 1072 pp., illus. \$49.50.

**Organoaluminium Compounds.** T. Mole and E. A. Jeffery. Elsevier, New York, 1973. xiv, 466 pp., illus. \$61.75.

**Our Earth in Continuous Change.** David M. Baird. Ryerson Press (McGraw-Hill), New York, 1973. 128 pp., illus. \$7.95.

**Photosynthesis.** Two Centuries after Its Discovery by Joseph Priestley. Vol. 3, *Photosynthesis and Evolution*. Proceedings of a conference, Stresa, Italy, June 1971. Giorgio Forti, Mordhay Avron, and Andrea Melandri, Eds. Junk, The Hague, 1973. xxiv pp., + pp. 1697-2752, illus. \$52.

**The Potential for Energy Conservation.** A Staff Study. Office of Emergency Preparedness, Washington, D.C., 1972 (available from the Superintendent of Documents, Washington, D.C.). xvi, 60 pp., illus., + appendices. \$3.

**Practical Biochemistry.** An Introductory Course. Fiona Fraiss. Butterworths, London, and University Park Press, Baltimore, 1972. x, 160 pp., illus. \$9.50.

**Principles and Practice of Experiments with Nucleic Acids.** John Howard Parish. Halsted (Wiley), New York, 1973. xvi, 512 pp., illus. \$27.50.

**The Psychoanalytic Study of the Child.** Vol. 27. Ruth S. Eisler, Anna Freud, Marianne Kris, and Albert Solnit, Eds. Quadrangle, New York, 1973. iv, 700 pp. \$12.50.

**Public Budgeting Systems.** Robert D. Lee, Jr., and Ronald W. Johnson. University Park Press, Baltimore, 1973. xx, 356 pp., illus. \$12.50.

**Solidification and Casting.** G. J. Davies. Halsted (Wiley), New York, 1973. xii, 206 pp., illus. \$15.75.

**Spontaneous Hypertension.** Its Pathogenesis and Complications. Proceedings of a symposium, Kyoto, Japan, Oct. 1971. Kozo Okamoto, Ed. Igaku Shoin, Tokyo, 1972 (U.S. distributor, Springer-Verlag, New York, 1972). xiv, 266 pp., illus. \$24.80.

**Synthetic Gem and Allied Crystal Manufacture.** Daniel MacInnes. Noyes Data, Park Ridge, N.J., 1973. x, 222 pp., illus. \$24.

**Synthetic Organic Electrochemistry.** Albert J. Fry. Harper and Row, New York, 1972. xii, 336 pp., illus. \$19.95. *Harper's Chemistry Series*.

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**PIERRE TEILHARD DE CHARDIN'S PHILOSOPHY OF EVOLUTION** by H. James Birs, *Canisius College, Buffalo*. '72, 192 pp., \$9.75

**ARTIFICIAL CELLS** by Thomas Ming Swi Chang, *McGill Univ., Montreal, Canada*. '72, 224 pp., 77 il., 5 tables, \$16.00

**FUNDAMENTALS OF CELL PHARMACOLOGY** edited by S. Dikstein, *Hebrew Univ., Jerusalem, Israel*. (26 Contributors) '73, about 580 pp. (7 x 10), 150 il., 40 tables

**RUBELLA: First Annual Symposium of the Eastern Pennsylvania Branch, American Society for Microbiology** edited by Herman Friedman, *Albert Einstein Medical Center*, and James E. Prier, *Temple Univ. School of Medicine, Both of Philadelphia*. (16 Contributors) '73, 164 pp., 9 il., 33 tables, \$9.25

**PROBLEM SOLVING, SYSTEMS ANALYSIS, AND MEDICINE** by Ralph Raymond Grams, *Univ. of Minnesota Medical School, Minneapolis*. '72, 244 pp. (6 3/4 x 9 3/4), 106 il., 18 tables, \$19.75 *With Companion Volume . . . SYSTEMS-ANALYSIS WORKBOOK: Coordinated with the Textbook Problem Solving, Systems Analysis, and Medicine*. '72, 72 pp. (6 3/4 x 9 3/4), 8 il., 6 tables, \$4.75 paper

**MALNUTRITION AND RETARDED HUMAN DEVELOPMENT** by Sohan L. Manocha, *Emory Univ., Atlanta*. Foreword by G. H. Bourne. '72, 400 pp., 20 il., 8 tables, \$19.75

**BIOLOGY OF MAMMALIAN FERTILIZATION AND IMPLANTATION** edited by Kamran S. Moghissi and E. S. E. Hafez. (21 Contributors) '72, 520 pp., 174 il. (11 in full color), 90 tables, \$31.00

**ORGAN REGENERATION IN ANIMALS: Recovery of Organ Regeneration Ability in Animals** by L. V. Polezhaev, *Academy of Sciences of the USSR, Moscow*. '72, 200 pp., 209 il., \$14.00

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**land Jumping Mouse, *Napaeozapus insignis*.** Robert E. Wrigley. University of Illinois Press, Urbana, 1973. x, 118 pp., illus. Paper, \$7.95. Illinois Biological Monographs, 47.

**Teaching the Prekindergarten Child.** Instructional Design and Curriculum. Barbara Vance. Brooks/Cole (Wadsworth), Monterey, Calif., 1973. xiv, 370 pp., illus. Paper, \$7.50.

**Weather Study.** An Approach to Scientific Inquiry. J. W. Bainbridge and R. W. Stockdale. Methuen Educational, London, 1972 (U.S. distributor, Barnes and Noble [Harper and Row], New York, 1973). xii, 84 pp., illus. Cloth, \$6.50; paper, \$3.50. Education Paperbacks.

**What Is the Grand Design?** Peter Briggs. McKay, New York, 1973. vi, 216 pp. \$5.95.

**Workshop on Mechanisms and Prospects of Genetic Exchange.** Berlin, Dec. 1971. Gerhard Raspe and S. Bernhard, Eds. Vieweg, Braunschweig, Germany, and Pergamon, New York, 1972. 486 pp., illus. \$25. Advances in the Biosciences, 8.

**World Directory of Schools of Public Health, 1971.** World Health Organization, Geneva, 1972 (U.S. distributor, American Public Health Association, Washington, D.C.). 278 pp. Paper, \$10.

**World Fisheries Policy.** Multidisciplinary Views. Brian J. Rothschild, Ed. University of Washington Press, Seattle, 1973. xx, 272 pp., illus. \$9.50. Public Policy Issues in Resource Management, vol. 4.

## New Journals Received

**Enzyme Technology Digest.** An Information Exchange in Enzyme Technology. Vol. 1, No. 1, July 1972. Three issues a year. Editor: I. M. Roberts. New Extensions for Utilizing Scientists (NEUS), Post Office Box 1365, Santa Monica, Calif. 90406.

**Estuarine and Coastal Marine Science.** Vol. 1, No. 1, Jan. 1973. Four issues per volume. American Editor: B. H. Ketchum (Woods Hole Oceanographic Institution). Academic Press Inc., 111 Fifth Ave., New York, N.Y. 10003. £11.50.

**Geophysical Surveys.** An International Journal of Geophysics. Vol. 1, No. 1, Sept. 1972. Four issues a year. Editor: William Markowitz (Nova University, Ft. Lauderdale, Fla.). D. Reidel Publishing Co., P.O. Box 17, Dordrecht, Holland. To individuals, \$22.75; to institutions, \$55.25.

**Ion Exchange and Membranes.** Science and Technology of Dynamic Macromolecules. Vol. 1, No. 1, Aug. 1972. Four issues per volume. Editor: John A. Mikes, 71 Grace Ave., Great Neck, N.Y. 10021. Gordon and Breach, Inc., 440 Park Ave. South, New York, N.Y. 10016. To individuals, \$16; to institutions, \$45.

**Journal of Biological Standardization.** No. 1, Vol. 1, 1973. Four issues per volume. Editors: F. T. Perkins (National Institute for Medical Research, London) and R. H. Ragame (Institute of Hygiene, Gen-

eva). Academic Press Inc., 111 Fifth Ave., New York 10003. £7.

**Journal of Environmental Management.** Vol. 1, No. 1, Jan. 1973. Four issues per volume. Editor: J. N. R. Jeffers (Merlewood Research Station, Grange-over-Sands, Lancs., England). Academic Press Inc., 111 Fifth Ave., New York 10003. \$16.80.

**Ocean Development and International Law Journal.** Vol. 1, No. 1, Spring 1973. Four issues per volume. Editor: William T. Burke (University of Washington, School of Law, Seattle). Crane, Russak and Co., Inc., 52 Vanderbilt Ave., New York 10017. Subscription to Vol. 1, \$26; single issue, \$8.

**Toxicological and Environmental Chemistry Reviews.** Vol. 1, Nos. 1/2, June 1972. Four issues per volume. Editors: Roland W. Frei (Dalhousie University, Halifax) and Otto Hutzinger (Canadian National Research Council, Halifax). Gordon and Breach, Inc., 440 Park Ave. South, New York, N.Y. 10016. To individuals, \$16; to institutions, \$45.

**Transportation Planning and Technology.** Vol. 1, No. 1, Apr. 1972. Four issues per volume. American editors: Robert U. Ayres (International Research and Technology Corp., 1225 Connecticut Ave., NW, Washington, D.C.) and Leon M. Cole (University of Texas, Austin). Gordon and Breach, Inc., 440 Park Ave. South, New York, N.Y. 10016. To individuals, \$15; to institutions, \$50.

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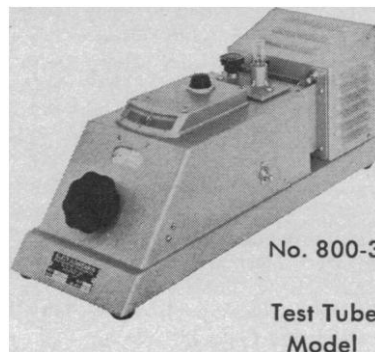
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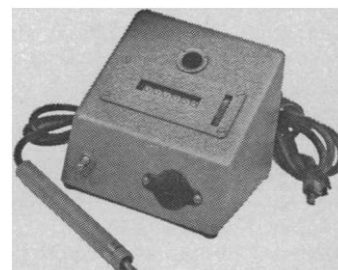
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