

should not stop with the consideration of site alone. There is evidence that differences in location within a site and in histological type are also important. The best indication of a new environmental hazard might be a change in one of these characteristics.

In a review of geographic patterns of cancer mortality in the United States, data were studied for the period 1950-1969 for the 3056 counties of the contiguous United States. Differentials between urban and rural areas and between social classes were recorded. Striking differences according to latitude were noted for malignant melanoma in males and Hodgkin's disease in females, the former increasing with nearness to the equator and the latter decreasing. Clusters of increased mortality from cancer of the bladder correlate well with industrial exposure. In the case of cancer of the stomach ethnicity seems to be a major determinant.

The book does not, by and large, report new findings. It is rather a survey of the implications of existing data. There are few books available on the subject, and this one will be warmly welcomed. One consequence of the approach taken, however, is that the authors report almost nothing about the methods by which the data they discuss were obtained. Thus one discussion ends with a hopeful suggestion that there should be "continuous collection of survey data to quantitate the specific foods consumed by different subgroups of the population" in order to detect "the possible risks of new food contaminants and additives." This would be hard enough to do if oncogenic effects became apparent at once. It would be even more difficult if there were a latent period of five or more years in the development of the cancer.

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Books Received

Annual Review of Pharmacology and Toxicology. Vol. 16. Henry W. Elliott, Robert George, and Ronald Okun, Eds. Annual Reviews, Palo Alto, Calif., 1976. x, 566 pp., illus. \$15.

Art in Biosynthesis. The Synthetic Chemist's Challenge. Vol. 1. Darshon Ranganathan and Subramania Ranganathan. Academic Press, New York, 1976. xii, 250 pp., illus. \$11.

Back on the Street. The Diversion of Juvenile Offenders. Robert M. Carter and Malcolm W. Klein. Prentice-Hall, Englewood Cliffs, N.J., 1976. xvi, 368 pp. Paper, \$8.95.

Basic Electricity. Charles W. Ryan. Wiley, New York, 1976. viii, 280 pp., illus. Paper, \$5.95. Self-Teaching Guides.

Biology of Radiation Carcinogenesis. Papers from a meeting, Gatlinburg, Tenn., Apr. 1975. John M. Yuhas, Raymond W. Tennant, and James D. Regan, Eds. Raven, New York, 1976. xxiv, 358 pp., illus. \$25.

Chemical Investigations for Changing Times. Lawrence W. Scott, Leon M. Zaborowski, John W. Hill, and Peter Muto. Burgess, Minneapolis, ed. 2, 1976. xii, 224 pp., illus. Spiral bound, \$5.95.

Chemotherapy and Control of Influenza. Papers from a symposium, Mar. 1975. J. S. Oxford and J. D. Williams, Eds. Published for the British Society for Antimicrobial Chemotherapy by Academic Press, New York, 1976. viii, 96 pp., illus. + plates. Paper, \$8.75. Reprinted from the Supplement of the *Journal of Antimicrobial Chemotherapy*, vol. 1, No. 4.

Community Health and Nursing Practice. Evelyn Rose Benson and Joan Quinn McDevitt. Prentice-Hall, Englewood Cliffs, N.J., 1976. xvi, 368 pp., illus. \$11.50.

Comparative Physiology of Animals. An Environmental Approach. Richard W. Hill. Harper and Row, New York, 1976. xiv, 656 pp., illus. \$17.95.

The Complete Family Nature Guide. Jean Reese Worthley. Illustrated by Chris Fastie. Doubleday, Garden City, N.Y., 1976. x, 230 pp. + plates. \$7.95.

Electronic Structure and Magnetism of Inorganic Compounds. Vol. 4, A Review of the Literature Published during 1973 and Early 1974. P. Day, Senior Reporter. Chemical Society, London, 1976. x, 278 pp., illus. \$45.50.

Embeddings and Extensions in Analysis. J. H. Wells and L. R. Williams. Springer-Verlag, New York, 1975. viii, 110 pp. \$14.40. Ergebnisse der Mathematik und ihrer Grenzgebiete, Band 84.

The End of Imprisonment. Robert Sommer. Oxford University Press, New York, 1976. x, 212 pp. \$8.95. Reconstruction of Society Series.

Even the Rat Was White. A Historical View of Psychology. Robert V. Guthrie. Harper and Row, New York, 1976. xii, 224 pp., illus. Paper, \$6.95.

Experiments in Physiology. Gerald D. Tharp. Burgess, Minneapolis, ed. 3, 1976. Various pages. Spiral bound, \$5.95.

Foundations of Psychology. John Lamberth, John C. McCullers, and Roger L. Mellgren. Harper and Row, New York, 1976. xvi, 592 pp., illus. \$12.95.

Fundamentals of Musical Acoustics. Arthur H. Benade. Oxford University Press, New York, 1976. xii, 596 pp., illus. \$14.

The Genetics of Behavior. Lee Ehrman and Peter A. Parsons. Sinauer, Sunderland, Mass., 1976. viii, 390 pp., illus. \$17.50.

Handbook of Middle American Indians. Robert Wauchope, Ed. Vol. 16, Sources Cited and Artifacts Illustrated. Margaret A. L. Harrison, Ed. University of Texas Press, Austin, 1976. viii, 324 pp. \$20.

Hayley Wood. Its History and Ecology. Oliver Rackham. Cambridgeshire and Isle of Ely Naturalists' Trust, Cambridge, England, 1975. xvi, 222 pp., illus. + plates. £3.95.

Health Informatics. Canadian Experience. Jan F. Brandeys. North-Holland, Amsterdam, and Elsevier, New York, 1976. xiv, 240 pp., illus. \$24.50. IFIP Medical Informatics Monograph Series, vol. 2.

Heartaches and Handicaps. An Irreverent Survival Manual for Parents. Gail Stigen. Science and Behavior Books, Palo Alto, Calif., 1976. xiv, 124 pp. \$5.95.

Helping Your Elderly Patients. A Guide for Nursing Assistants. Judith M. Conahan. Tiresias Press, New York, 1976. 128 pp., illus. Paper, \$3.95.

Hermitian and Kählerian Geometry in Relativity. E. J. Flaherty. Springer-Verlag, New York, 1976. viii, 368 pp., illus. Paper, \$13.20. Lecture Notes in Physics, 46.

The Hohokam. Desert Farmers and Craftsman. Excavations at Snaketown, 1964-1965. Emil W. Haury. Published in collaboration with Southwest Parks and Monuments Association by University of Arizona Press, Tucson, 1976. xii, 412 pp., illus. \$19.50.

The Human Cougar. Lloyd L. Morain. Prometheus Books, Buffalo, N.Y., 1976. 176 pp., illus. \$8.95.

Innovative Medical-Psychiatric Therapies. Richard M. Suinn and Richard G. Weigel, Eds. University Park Press, Baltimore, 1976. xvi, 302 pp., illus. \$19.50.

Interplanetary Encounters. Close-Range Gravitational Interactions. Ernst J. Öpik. Elsevier, New York, 1976. viii, 156 pp., illus. \$26.95. Developments in Solar System- and Space Science, 2.

Interpreting the Environment. Grant W. Sharpe. Wiley, New York, 1976. xvi, 566 pp., illus. \$14.95.

Introduction to Chemical Engineering and Computer Calculations. Alan L. Myers and Warren D. Seider. Prentice-Hall, Englewood Cliffs, N.J., 1976. xx, 524 pp., illus. \$19.95.

Introduction to Filter Theory. David E. Johnson. Prentice-Hall, Englewood Cliffs, N.J., 1976. xiv, 306 pp., illus. \$17.95. Prentice-Hall Electrical Engineering Series.

Introduction to Medical Chemistry. D. MacLean D. Evans and John Bowen Jones. Harper and Row, New York, 1976. xii, 276 pp., illus. \$11.95.

Ion Transport through Biological Membranes. An Integrated Theoretical Approach. Michael C. Mackey. Springer-Verlag, New York, 1975. x, 242 pp., illus. Paper, \$10.30. Lecture Notes in Biomathematics, vol. 7.

The IQ Controversy. Critical Readings. N. J. Block and Gerald Dworkin, Eds. Pantheon (Random), New York, 1976. xiv, 560 pp. Cloth, \$15.95; paper, \$6.95.

The Joy of Sports. End Zones, Bases, Baskets, Balls, and the Consecration of the American Spirit. Michael Novak. Basic Books, New York, 1976. xvi, 358 pp. \$10.95.

Keep Earth Clean, Blue, and Green. Environmental Activities for Young People. George Hennings and Dorothy Grant Hennings. Citation Press, New York, 1976. vi, 250 pp., illus. Cloth, \$9.95; paper, \$5.96.

A Laboratory Manual and Study Guide for Anatomy and Physiology. Kenneth G. Neal and Barbara H. Kalbus. Burgess, Minneapolis, ed. 3, 1976. xx, 426 pp., illus. Paper, \$8.95.

The Last Chance. Nuclear Proliferation and Arms Control. William Epstein. Free Press, New York, and Collier Macmillan, London, 1976. xxiv, 342 pp. \$14.95.

Let's Talk LISP. Laurent Siklóssy. Prentice-Hall, Englewood Cliffs, N.J., 1976. xviii, 238 pp. \$11.95.

Life. The Individual, the Species. Theodore R. Lane with 18 contributors. Mosby, St. Louis, 1976. xiv, 634 pp., illus. \$14.95.

Lipids. Papers from a congress, Milan, Italy, Sept. 1974. Rodolfo Paoletti, Giuseppe Porcellati, and Giovanni Jacini, Eds. Raven, (Continued on page 430)

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THE EVOLUTION AND CHEMISTRY OF AGGRESSION by Delbert D. Thiessen, *Univ. of Texas, Austin*. Foreword by I. Newton Kugelmass. Aggression is viewed in this book as the most direct form of competition and is discussed within the framework of evolution. One area of emphasis is on the understanding of the biochemical processes underlying aggression. Chemicals in the form of environmental signals (pheromones) also have direct effects on aggression and are discussed anew. '76, 232 pp., 38 il., 27 tables, \$18.50

NUTRITION, TIME AND MOTION IN METABOLISM AND GENETICS by Sydney J. Webb, *Univ. of South Florida, Tampa*. A new theory based on time and motion is proposed in this book concerning nutrition and how it controls metabolic events and influences genetic continuity. Numerous biological phenomena such as cell growth, cell differentiation, the gene, and chromosome action and movement are discussed from the viewpoint of the theory. '76, 426 pp., 104 il., 46 tables, \$29.75

CLINICAL ECOLOGY edited by Lawrence D. Dickey. (45 Contributors) Clinical ecology is considered in regard to historical background, basic and general concepts, manifestations, excitants, individual susceptibility, specific adaptation and diagnostic and therapeutic techniques. The comprehensive environmental control program is used as the basis of reference for the validity of other provocative and diagnostic procedures. A final section reviews the benefits of an ecological orientation in medicine to various medical specialties. '76, 832 pp. (6 3/4 x 9 3/4), 47 il., 94 tables, \$35.75

AN INTRODUCTION TO BIO-INORGANIC CHEMISTRY edited by David R. Williams, *The Univ. of St. Andrews, St. Andrews, Scotland*. (23 Contributors) Sections of this book describe the three natural divisions of the field: general principles of bio-inorganic chemistry, experimental methods used to produce the facts that gave rise to these principles, and application of these principles to medicine. '76, 416 pp. (6 3/4 x 9 3/4), 341 il., 62 tables, \$24.50

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BOOKS RECEIVED

(Continued from page 398)

New York, 1976. Two volumes, illus. Vol. 1, Biochemistry. xvi + pp. 1-282. Vol. 2, Technology. xvi + pp. 283-554. \$49.50.

Mathematics. Models of the Real World. Peter Lancaster. Prentice-Hall, Englewood Cliffs, N.J., 1976. xii, 164 pp., illus. \$9.95.

Moral Problems in Medicine. Samuel Gorvitz and six others, Eds. Prentice-Hall, Englewood Cliffs, N.J., 1976. xxiv, 552 pp. \$11.50.

Neoplasia in the Central Nervous System. Papers from a symposium, Phoenix, Jan. 1975. Richard A. Thompson and John R. Green, Eds. Raven, New York, 1976. xii, 382 pp., illus. \$29.50. Advances in Neurology, vol. 15.

The Neville Site. 8,000 Years at Amoskeag. Manchester, New Hampshire. Dena Ferran Dincauze. Peabody Museum of Archaeology and Ethnology, Harvard University, Cambridge, Mass., 1976. x, 150 pp., illus. Paper, \$10. Peabody Museum Monographs, No. 4.

New Towns. Another Way to Live. Carlos C. Campbell. Reston (Prentice-Hall), Reston, Va., 1976. xviii, 284 pp., illus. \$12.50.

The New World Primates. Adaptive Radiation and the Evolution of Social Behavior, Languages, and Intelligence. Martin Moynihan. Princeton University Press, Princeton, N.J., 1976. x, 264 pp., illus. \$12.50.

NMR in Biological Research. Peptides and Proteins. Kurt Wüthrich. North-Holland, Amsterdam, and Elsevier, New York, 1976. xii, 380 pp., illus. \$45.95.

North Star to Southern Cross. Will Kyselka and Ray Lanterman. University Press of Hawaii, Honolulu, 1976. viii, 152 pp., illus. Cloth, \$8.95; paper, \$3.95.

Physics for People Who Think They Don't Like Physics. Jerry S. Faugh and Karl F. Kuhn. Saunders, Philadelphia, 1976. xvi, 570 pp., illus. \$14.95.

Physikalisches Taschenbuch. Hermann Ebert, Ed. Vieweg, Braunschweig, Germany, ed. 5, 1976. vi, 618 pp. + chart. DM 64.

Plant Biology. Knut Norstog and Robert W. Long. Saunders, Philadelphia, 1976. vi, 586 pp., illus. \$14.50.

Practical Wiring. Vol. 2. Henry A. Miller. Pergamon, New York, ed. 2, 1976. viii, 156 pp., illus. Paper, \$3.75. Engineering Science and Technology. Pergamon International Library.

A Scanning Electron Microscope Study of Green Plants. John N. A. Lott with the technical assistance of James J. Darley. Mosby, St. Louis, 1976. xiv, 170 pp. Cloth, \$13.50; paper, \$6.95.

Selected Papers of Great American Physicists. The Bicentennial Commemorative Volume of the American Physical Society. Spencer R. Weart, Ed. American Institute of Physics, New York, 1976. 176 pp., illus. \$3.50.

VII. Internationales Symposium über Struktur und Funktion der Erythrozyten. Berlin, East Germany. S. Rapoport and F. Jung, Eds. Akademie-Verlag, Berlin, 1975. 684 pp., illus. 130 M. Abhandlungen der Akademie der Wissenschaften der DDR.

Sights and Sounds. The Very Special Senses. Charles E. Kupchella. Bobbs-Merrill, Indianapolis, 1976. xii, 252 pp., illus. Paper, \$4.95.

A Simplified Guide to Structured COBOL Programming. Daniel D. McCracken. Wiley, New York, 1976. x, 358 pp., illus. Paper, \$9.95.

Slow Virus Diseases of Animals and Man. R.

H. Kimberlin, Ed. North-Holland, Amsterdam, and Elsevier, New York, 1976. xvi, 404 pp., illus. \$49.95. Frontiers of Biology, vol. 44.

Social Problems. Amitai Etzioni. Prentice-Hall, Englewood Cliffs, N.J., 1976. x, 182 pp. Cloth, \$7.50; paper, \$3.50. Prentice-Hall Foundations of Modern Sociology Series.

Social Psychology. Interdependence, Interaction, and Influence. James T. Tescchi and Svenn Lindskold. Wiley-Interscience, New York, 1976. xiv, 706 pp. \$16.95.

Standardized Testing in the Schools. Uses and Roles. James L. Wardrop. Brooks/Cole, Monterey, Calif., 1976. xii, 130 pp. Paper, \$3.95.

Structural Engineering. Vol. 1, Introduction to Design Concepts and Analysis. Richard N. White, Peter Gergely, and Robert G. Sexsmith. Wiley, New York, ed. 2, 1976. xx, 316 pp., illus. \$12.95.

Studies in Biological Control. V. L. DeLucchi, Ed. Cambridge University Press, New York, 1976. xvi, 304 pp., illus. \$34.50. International Biological Programme 9.

Studies in Ohio Archaeology. Olaf H. Prufer and Douglas H. McKenzie, Eds. Kent State University Press, Kent, Ohio, ed. 2, 1976. xx, 380 pp., illus. \$12.

Studies of the Hypothalamus and the Pituitary Gland. With Special Reference to the Effects of Transection of the Pituitary Stalk. Peter M. Daniel and Marjorie M. L. Prichard. Alden Press, Oxford, England, 1975. x, 216 pp., illus. £3. *Acta Endocrinologica*, vol. 80, supplement 201.

The Study of Trace Fossils. A Synthesis of Principles, Problems, and Procedures in Ichthyology. Robert W. Frey, Ed. Springer-Verlag, New York, 1975. xiv, 562 pp., illus. \$57.80.

The Survival of Vegetative Microbes. Papers from a symposium, Cambridge, England, Apr. 1976. T. R. G. Gray and J. R. Postgate, Eds. Published for the Society for General Microbiology by Cambridge University Press, New York, 1976. x, 432 pp., illus. \$29.50.

Symétries Brisées. Théorie des Transitions avec Paramètre d'Ordre. Nino Boccaro. Hermann, Paris, 1976. vi, 274 pp., illus. Paper, 58 F. Actualités Scientifiques et Industrielles, 1378.

Systems Analysis and Operations Research. A Tool for Policy and Program Planning for Developing Countries. Report of an Ad Hoc Panel of the Board on Science and Technology for International Development. National Academy of Sciences, Washington, D.C., 1976. viii, 100 pp. Paper.

A Systems Theoretical Approach to the Analyses of Social Action and Decisions. Heikki Heiskanen. Suomalainen Tiedekatemia, Helsinki, Finland, 1975. 116 pp., illus. Paper, 45 Fmk. *Annales Academiae Scientiarum Fennicae*, Series B, 191.

Territorialism. A Scrapbook. George W. Greenwood. Published by the author, 919 Church St., Mobile, Ala., 1975. viii, 148 pp., illus. Paper, \$10.

Trabajos Reunidos de Severo Ochoa 1928-1975. Alberto Sols and Clotilde Estévez, Eds. Servicio de Publicaciones del Ministerio de Educación y Ciencia, Madrid, 1975. Three volumes, illus. xii, 3016 pp. \$100.

Understanding Chemistry. Robert J. Ouellette. Harper and Row, New York, 1976. xvi, 442 pp., illus. \$11.95.

Urban Health in America. Amasa B. Ford. Oxford University Press, New York, 1976. x, 294 pp., illus. Cloth, \$10.95; paper, \$5.95.