cannot provide predictive capabilities. The case is often made that most of the world's fisheries yield comes from coastal LMEs, and fisheries management is necessarily a localized activity for political if not strictly scientific reasons. However, events at times and places very distant from any single LME (such as an El Niño–Southern Oscillation event) may well control a fishery by modifying productivity and sequential timing of food chain events over thousands of kilometers. Ecologists, I believe, would prefer to subdivide the single world ocean ecosystem into its major component LMEs at the outset and not merely those readily recognizable as someone's fishery management problem at the ocean margins.

Coastal LMEs will be subject to the consequences of global climate change, concerning which much research is currently being planned and implemented. Programs such as GLOBEC (Global Ocean Ecosystems Dynamics) in the United States and its international counterparts are poised to begin process-oriented studies designed to understand and predict ecosystem change. It would be ideal if a network of LMEs could be developed to formalize a continuing program of background data collection and long-term observation to provide a historical context for such international research programs. It is high time to organize such a concerted program involving both LME managers and scientists of interested nations to make use of the massive influx of data and models on how the ocean works that will be forthcoming from global change programs.

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Books Received

America's Science Museums. Victor J. Danilov. Greenwood, New York, 1990. xii, 484 pp. $65.

Approximation Theory and Functional Analysis. Charles K. Chui, Ed. Academic Press, New York, 1990. x, 247 pp., illus. $49.95.

The Art of Probability. For Scientists and Engineers. Richard W. Hamming. Addison-Wesley, Redwood City, CA, 1991. xviii, 344 pp., illus. $48.50.

Developments in Crime and Crime Control Research. German Studies on Victims, Offenders, and the Public. Klaus Sessar and Hans-Jürgen Kerner, Eds. Springer-Verlag, New York, 1991. xviii, 192 pp., illus. $39. Research in Criminology.

Dictionary of the Environment. Michael Allaby. 3rd ed. New York University Press, New York, 1990. vi, 423 pp. Paper, $17.50. Reprint, 1989 ed.

Exponential Sums and Differential Equations. Nicholas M. Katz. Princeton University Press, Princeton, NJ, 1990. xii, 430 pp. $65; paper, $22.40. Annals of Mathematics Studies, no. 124.

The Genome. Ram S. Verma. VCH, New York, 1990. xx, 327 pp., illus. $75. Frontiers in Molecular and Cellular Biology.

J. G. Frazer. His Life and Work. Robert Ackerman. Cambridge University Press, New York, 1991. x, 348 pp., illus. Paper, $10.95. Reprint, 1987 ed.

Keep Off the Grass. Gabriel G. Nahas. Eriksson, Middlebury, VT, 1990. xxxviii, 362 pp., illus. Paper, $12.95. Reprint, 1976 ed.

The Lung. Scientific Foundations. Ronald G. Crystal *et al.*, Eds. Raven, New York, 1990. 2 vols. lxxx, 2224 pp., illus., + index.

Machines with a Purpose. Howard Rosenbrock. Oxford University Press, New York, 1990. x, 223 pp., illus. $49.95.

The Northwest Coast. A Natural History. Stewart T. Schultz. Drawings by John Megahan and Kathy Kellerman. Timber, Portland, OR, 1990. 389 pp., illus. $29.95.

Nuclear Structure and Function. J. R. Harris and I. B. Zbarsky, Eds. Plenum, New York, 1990. xvi, 504 pp., illus. $115. From a workshop, Suzdal, U.S.S.R., Sept. 1989.

Peptide Hormone Secretion. A Practical Approach. J. C. Hutton and K. Siddle, Eds. IRL (Oxford University Press), New York, 1990. xxii, 341 pp., illus. $85; paper, $60. Practical Approach Series.

Plant Pathogenic Bacteria. Z. Klement, Ed. Akadémiai Kiadó, Budapest, 1990. 2 vols. xxxii, 1062 pp., illus. $95. From a conference, Budapest, June 1989.

Plasma Dynamics. R. O. Dendy. Clarendon (Oxford University Press), New York, 1990. x, 161 pp., illus. $63; paper, $27.95.

Quantum Profiles. Jeremy Bernstein. Princeton University Press, Princeton, NJ, 1991. viii, 178 pp. $17.95. Profiles of John Bell, John Wheeler, and Michele Besso.

Recycling and Incineration. Evaluating the Choices. Richard A. Denison and John Ruston, Eds. Island Press, Washington, DC, 1990. xxii, 322 pp., illus. $34.95; paper, $19.95.

Restoration Ecology. A Synthetic Approach to Ecological Research. William R. Jordan III, Michael E. Gilpin, and John D. Aber, Eds. Cambridge University Press, New York, 1990. x, 341 pp., illus. Paper, $24.95. From a symposium, Madison, WI. Reprint, 1987 ed.

Scaling in Soil Physics. Principles and Applications. Daniel Hillel *et al.*, Eds. Soil Science Society of America, Madison, WI, 1990. xxii, 122 pp., illus. Paper, $24; to SSSA members, $19 for first copy. Soil Science Society of America Special Publication no. 25. From a symposium, Las Vegas, NV, Oct. 1989.

Science and Relativism. Some Key Controversies in the Philosophy of Science. Larry Laudan. University of Chicago Press, Chicago, IL, 1991. xiv, 180 pp. $32; paper, $12.95. Science and Its Conceptual Foundations. From a meeting, Dec. 1988.

Science Matters. Achieving Scientific Literacy. Robert M. Hazen and James Trefil. Doubleday, New York, 1991. xxii, 295 pp., illus. $19.95.

A Statistical Model. Frederick Mosteller's Contributions to Statistics, Science, and Public Policy. S. E. Fienberg *et al.*, Eds. Springer-Verlag, New York, 1990. xviii, 283 pp., illus. $39. Springer Series in Statistics. Perspectives in Statistics.

Surface Reactive Peptides and Polymers. Discovery and Commercialization. C. Steven Sikes and A. P. Wheeler, Eds. American Chemical Society, Washington, DC, 1991. xiv, 416 pp., illus. $69.95. ACS Symposium Series, 444. From a symposium, Dallas, TX, April 1989.

Synthesis and Chemistry of Agrochemicals II. Don R. Baker, Joseph G. Fenyes, and William K. Moberg, Eds. American Chemical Society, Washington, DC, 1991. xiv, 609 pp., illus. $109.95. ACS Symposium Series, 443. From symposia.

Transformations in American Medicine. From Benjamin Rush to William Osler. Lester S. King. Johns Hopkins University Press, Baltimore, MD, 1990. viii, 268 pp. $38.

Tremor. Rodger J. Elble and William C. Koller. Johns Hopkins University Press, Baltimore, MD, 1990. xviii, 204 pp., illus. $55. Johns Hopkins Series in Contemporary Medicine and Public Health.

Uncertainty and Quality in Science for Policy. Silvio O. Funtowicz and Jerome R. Ravetz. Kluwer, Norwell, MA, 1990. xii, 229 pp., illus. $88.50. Theory and Decision Library. Series A, Philosophy and Methodology of the Social Sciences, vol. 15.

Courses in Techniques for Separation and Characterization of Complex Carbohydrates

Two courses will be offered at the Complex Carbohydrate Research Center (CCRC) of the University of Georgia. The first course *(May 13–17, 1991)* will focus on the separation and characterization of oligosaccharides isolated from glycoproteins and is intended for those who have no experience with carbohydrate analysis. The second course *(May 20–24, 1991)*, intended for scientists with some experience with glycoconjugates or for those who have completed the first course, will cover aspects of structural analysis of oligosaccharides and will focus on techniques of composition and linkage analysis. Both courses will consist of hands-on laboratory work as well as demonstrations and lectures. A lab manual including selected analytical techniques and references will be provided. Each course is limited to 10 participants. Experience with basic biochemical techniques is a prerequisite for participation. The cost of registration per course is $250 for individuals from nonprofit institutions; $500 for others. The cost of lodging and food is not included.

The courses are sponsored jointly by the DOE/NSF/USDA Plant and Microbial Carbohydrate Center and the NIH Biomedical Carbohydrate Resource Center of the CCRC. For further information and application forms for the courses contact: Dr. Roberta K. Merkle, Technical Director for Biomedical Carbohydrates, Complex Carbohydrate Research Center, 220 Riverbend Road, The University of Georgia, Athens, Georgia 30602. Facsimile: 404-542-4412. Phone: 404-542-4405.