events that had occurred as long as two to six months prior to a particular monologue.

On the basis of these and other chapters in *Remembering Reconsidered*, it seems indisputable that the ecological approach has provided a wealth of new and interesting empirical facts about memory and has also contributed clever methodologies that serve to broaden significantly the scope of memory research. It is less clear, however, that ecological studies have led to any novel or important theoretical insights into the nature of memory. In fact, it is perhaps ironic that most of the exciting recent theoretical developments in memory research have emerged from within the walls of the laboratory. Thus, for example, the documentation of striking dissociations between explicit and implicit tests of memory has led to new distinctions among forms of memory; mutually productive links have been established between cognitive studies of intact memory on the one hand and neuropsychological and neurobiological investigations of memory disorders on the other, leading to a variety of promising ideas; and powerful new computational models deriving from notions of parallel distributed processing have been advanced. Ecological studies have played a minor if any role in these developments. Significantly, the two chapters in the present volume that are richest in new theoretical ideas are based on laboratory studies of implicit and explicit memory (Larry Jacoby) and computational approaches to cognition (Lawrence Barsalou).

As is demonstrated by *Remembering Reconsidered*, the ecological approach has clearly served the admirable purposes of expanding the scope of memory research and providing the psychological study of memory with a base in naturalistic observation that it lacked previously. But it remains to be seen whether it will play a significant role in advancing theoretical understanding of the nature of human memory.

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Some Other Books of Interest

Introduction to the Study of Meiofauna. ROBERT P. HIGGINS and HJALMAR THIEL, Eds. Smithsonian Institution Press, Washington, DC, 1988. 488 pp., illus. $39.95.

This volume is concerned with a category of invertebrates—the "meiobenthos," in a term coined in 1942—inhabiting marine and freshwater sediments and defined in terms of size, a practical criterion proposed here being retention on a 42- to 1000-micrometer sieve. As several contributors note, a rapid growth of research on these organisms occurred in the 1960s in association with both a renewed interest in animal ecology and the development of better techniques, with the result that meiofaunal research can now help elucidate basic questions in ecology and phylogenetics. With this volume the editors hope further to promote the development of this "young discipline." The group of papers opening the volume includes a "prospectus" and brief history of meiofaunal research and chapters summarizing what is known about the ecology of marine (Bruce C. Coull) and freshwater (Robert W. Pennak) meiofauna. A second group of papers deals with methodological matters—the assessment of abiotic and biotic environmental factors, sampling equipment and strategies, sample and organism processing, culture and experimental techniques, and data handling. Techniques for studying the smaller nanobenthos are also described. The third and final section of the book (p. 238ff.) is a taxon-by-taxon summary of the meiofauna, beginning with a discussion of "taxonomic and curatorial considerations" by Higgins and including accounts by various authors of the 40 groups, from Sarcomastigophora to Tunicata. Subject and taxonomic indexes complete the book.—**K.L.**

Reptile Egg-Shells. SEM Atlas. H. HERMANN SCHLEICH and WERNER KÄSTLE. Fischer, Stuttgart, 1988 (U.S. distributor, VCH, New York). viii, 123 pp., illus. $44.50.

Noting that reptile eggs, being harder to find and preserve and seemingly less variable, have attracted little attention relative to bird eggs, Schleich and Kästle here set out, by means of scanning electron micrographs, "to present a broad view of different shell types, to demonstrate general construction principles and to present detailed comparative descriptions" of reptile egg shells. In an introductory chapter they outline the general characteristics of reptile eggshells and the features that differentiate those of the orders Crocodylia, Testudines, and Squamata, briefly survey the literature starting with von Baer (1837), describe study techniques and shell constituents, and discuss functional morphology. The main body of the book consists of 45 plates, each occupying a page and comprising several parts and accompanied by a page of description and other information, often including structural drawings. Some 70 Recent species—including 35 snakes, 4 crocodiles, and 1 amphisbaenian—are represented. The last seven plates, preceded by a brief literature survey, show fossil sauropsid shells or deposits, tentatively assigned to seven groups, from nine European Tertiary sites. The volume includes a bibliography and an index.

—**K.L.**

Books Received

Competition in the Health Care Sector. Ten Years Later. Warren Greenberg, Ed. Duke University Press, Durham, NC, 1988. vi, 153 pp., illus. $15. Reprinted from the *Journal of Health Politics, Policy and Law*, vol. 13, no. 2.

Computational Techniques for Fluid Dynamics. C. A. J. Fletcher. Springer-Verlag, New York, 1988. 2 vols. Vol. 1, Fundamental and General Techniques. xiv, 409 pp., illus. $59.50. Vol. 2, Specific Techniques for Different Flow Categories, xii, 484 pp., illus. $69.50. Springer Series in Computational Physics.

Conformal Field Theory and Solvable Lattice Models. M. Jimbo, T. Miwa, and A. Tsuchiya, Eds. Academic Pres, San Diego, CA, 1988. xii, 426 pp., illus. $59.50. Advanced Studies in Pure Mathematics, vol. 16. Based on a symposium, Kyoto, Japan, May 1986.

Conformational Motion and Disorder in Low and High Molecular Mass Crystals. B. Wunderlich *et al.* Springer-Verlag, New York, 1988. viii, 137 pp., illus. $71.50. Advances in Polymer Science, vol. 87.

Electrophoresis '88. Claus Schafer-Nielsen, Ed. The Protein Laboratory, University of Copenhagen, 1988 (U.S. distributor, VCH, New York). 502 pp., illus. Paper. $95. From a meeting, Copenhagen, Denmark, July 1988.

Electrophysiology of the Sinatrial and Atrioventricular Nodes. Todor Mazgalev, Leonard S. Dreifus, and Eric L. Michelson, Eds. Liss, New York, 1988. xiv, 354 pp., illus. $65. Progress in Clinical and Biological Research, vol. 275. From a symposium, Anaheim, CA, Nov. 1987.

Extinction and Survival in the Fossil Record. G. P. Larwood, Ed. Published for the Systematics Association by Clarendon (Oxford University Press), New York, 1988. x, 365 pp., illus. $90. Systematics Association Special Volume no. 34. From a symposium, Durham, U.K., Sept. 1986.

Fabry-Perot Interferometers. G. Hernandez. Cambridge University Press, New York, 1988. xvi, 343 pp., illus. Paper, $29.95. Cambridge Studies in Modern Optics. Reprint, 1986 ed.

The Forebrain of Reptiles. Current Concepts of Structure and Function. Walter K. Schwerdtfeger and Wilhelmus J. A. J. Smeets, Eds. Karger, Basel, 1988. x, 182 pp., illus. $117.50. From a symposium, Frankfurt am Main, F.R.G., Aug. 1987.

Forest and Crop Biotechnology. Progress and Prospects. Frederick A. Valentine, Ed. Springer-Verlag, New York, 1988. xx, 466 pp., illus. $59. From a colloquium, Syracuse, NY, April 1985.

Formation and Evolution of Low Mass Stars. A. K. Dupree and M. T. V. T. Lago, Eds. Kluwer, Norwell, MA, 1988. xvi, 462 pp., illus. $119. NATO Advanced Science Institutes Series C, vol. 241. From an institute, Viano do Castelo, Portugal, Sept.-Oct. 1987.

The Microenvironment of the Human Thymus. Marion D. Kendall and Mary A. Ritter, Eds. Harwood, New York, 1988. xii, 306 pp., illus. $84. Thymus Update, vol. 1.

Models in Statistical Physics and Quantum Field Theory. Harald Grosse. Springer-Verlag, New York, 1988. x, 151 pp., illus. Paper, $27.50. Trieste Notes in Physics.

Molecular Genetics and Immunoanalysis in Blood Coagulation. J. C. Giddings. Horwood, Chichester, U.K., and VCH, New York, 1988. 304 pp., illus. $126. Ellis Horwood Series in Biomedicine.

Molecular Inclusion and Molecular Recognition. Clathrates II. E. Weber, Ed. Springer-Verlag, New York, 1988. x, 246 pp., illus. $89.50. Topics in Current Chemistry, vol. 149.

Neural and Massively Parallel Computers. The Sixth Generation. Branko Souček and Marina Souček. Wiley-Interscience, New York, 1988. xx, 460 pp., illus. $49.95.

The Persistence of Error. Essays in Development Epistemology. Robert Kalechofsky. University Press of America, Lanham, MD, 1987. vi, 73 pp. $17.25; paper, $8.75.