

BOOK NOTICES

Costello, M.J., Emblow, C., White, R., editors. *European register of marine species. A check-list of the marine species in Europe and a bibliography of guides to their identification*. 463p. Paris: Publications Scientifiques du M.N.H.N., 2001. (Patrimoines naturels, 50) Price 40.21 Euro (Paperback).

This volume attempts to list marine species—plants, algae, invertebrates, vertebrates—from European waters. The main part of the volume comprises a checklist of species supplemented by synonymies and distribution information. A bibliography of identification guides is also included.

Davidson, O.G. *Fire in the turtle house. The green sea turtle and the fate of the ocean*. xii, 258p. Massachusetts: Perseus Books Group, 2001. Price £18.99 (Hardback).

This book traces the spread of fibropapillomatosis in green sea turtles and tells the story of the people who work on and study these reptiles. Primarily a detective story with plenty of human interest, this book will appeal to anyone with an interest in turtles.

Evans, P.G.H., Raga, J.A., editors. *Marine mammals. Biology and conservation*. xi, 630p. New York: Kluwer Academic/Plenum Publishers, 2001. Price £77 (Hardback).

This book reviews key topics in marine mammal biology, covering subjects such as evolution and genetics, life histories, ecology and physiology. Also considering conservation issues such as pollution and fisheries, this book will be of use to both scientists and degree students.

Fingerman, M., Nagabhushanam, R., editors. *Recent advances in marine biotechnology*. Volume 6. *Bio-organic compounds: chemistry and biomedical applications*. ix, 262p. Enfield, USA: Science Publishers, Inc., 2001. Price £85 (Hardback).

The sixth volume in the series *Recent Advances in Marine Biotechnology* focuses on the chemistry and biomedical applications of bio-organic compounds. The book aims to provide readers with an understanding of the advances made in the knowledge and use of these compounds.

Fingerman, M., Nagabhushanam, R., editors. *Recent advances in marine biotechnology*. Volume 7. *Seafood safety and human health*. xii, 315p. Enfield, New Hampshire, USA: Science Publishers, 2002. Price £88 (Hardback).

This volume, the seventh in the *Recent Advances in Marine Biotechnology* Series, concentrates on seafood safety and human health. The chapters provide information not only on marine toxins, their chemistry and techniques to assay them, but also about the microorganisms that produce these toxins.

Hoelzel, A.R., editor. *Marine mammal biology. An evolutionary approach*. x, 432p. Blackwell Science Limited, 2002. Price £29.95 (Paperback).

The volume presents an integrated analysis of marine mammals. Topics covered include diversity, distribution and evolutionary patterns, adaptations, behaviour, life history and reproductive strategies, patterns of movement, population genetics and conservation and management. The intended audience includes students as well as professionals with an interest in marine mammals.

Jangoux, M., Lawrence, J.M., editors. *Echinoderm studies*. Volume 6. v, 347p. Lisse: A.A. Balkema Publishers, 2001. Price 115 Euro (Hardback).

Written by experts, the book reviews the settlement and recruitment patterns of echinoderms and the processes which regulate the transitions from early life stages to adulthood. The review consolidates current knowledge of early life history events in determining population structure and dynamics of echinoderms identifying deficiencies and suggesting avenues for future research.

Jayachandran, K.V. *Palaemonid prawns. Biodiversity, taxonomy, biology and management*. xii, 624p. New Hampshire: Science Publishers Inc, 2001. Price £98 (Hardback).

The book is divided into chapters covering the taxonomy of Palaemonid prawns; the biogeography of prawns throughout the world; troglobitic prawns under the family Palaemonidae; commercial species; biology and prawn culture. Such a detailed book will be of value to both scientists and those involved in commercial aquaculture.

Kaandorp, J.A., Kubler, J.E. *The algorithmic beauty of seaweeds, sponges, and corals*. xv, 193p. Berlin: Springer-Verlag, 2001. Price £37 (Hardback).

The book gives an overview of modelling growth and form of seaweeds, sponges and corals using large-scale computing techniques, scientific visualisation, methods for analysing 2D and 3D forms, and particle based modelling techniques. Potential applications of growth models and morphological analyses in bio-monitoring, the detection of environmental change and the conservation of marine ecosystems are considered.

Mead, J.G., Gold, J.P. *Whales and dolphins in question. The Smithsonian answer book*. xv, 200p. Smithsonian Institution, 2002. Price £18.95 (Paperback).

Whales and Dolphins in Question is a response to the thousands of letters and phone calls received by the Smithsonian's Museum of Natural History. Covering a wide range of topics, this book is a useful reference tool.

National Research Council. *Marine biotechnology in the twenty-first century*. Problems, promise, and products. xi, 117p. Washington D.C.: National Academy of Sciences, 2002. Price £23.95 (Paperback).

These proceedings summarize information obtained from two workshops on marine biotechnology. Considering marine biotechnology's environmental and biomedical applications, the book highlights research areas and issues that are affecting the implementation of marine biotechnology.

Psalti, I.S.M. *Across the Bridge. An informal chronicle: from the Marine Biological Station, UCNW to the School of Ocean Sciences, UWV 1948–1998*. xiv, 273p. Llandysul: Gomer Press, 2001. Price £15 (Hardback).

This informal history charts the development of the Marine Biology Station, University College North Wales to the School of Ocean Sciences, University of Wales, Bangor. It will be of interest to anyone who has been associated with 'Menai Bridge' over the years.

Rothwell, N. *Who wants to be a scientist?* x, 166p. Cambridge University Press, 2002. Price £14.95 (Paperback), £40 (Hardback).

This book offers advice on careers in science. It covers topics ranging from choosing a Ph.D to interviews and C.V. preparation as well as broader aspects of science including intellectual property, ethics and fraud.

Ruth, M., Lindholm, J., editors. *Dynamic modeling for marine conservation*. xx, 449p + CDROM. Springer-Verlag, 2002. Price £70 (Hardback).

The book and accompanying CD-ROM demonstrate dynamic modelling through the use of the Stella R Modelling program and case studies from marine conservation. After a section devoted to the concepts and tools needed to model marine systems, each chapter introduces background information about a key topic in marine conservation, presents an appropriate model and discusses the results and implications.

Spencer, B.E. *Molluscan shellfish farming*. xviii, 274p. Oxford: Blackwell Science, 2002. Price £59.50 (Hardback).

This book, partly based on a Buckland Lecture, covers the general biology of bivalves, hatchery culture methods and details of the cultivation of many commercial species including clams, oysters, mussels, scallops and abalone. Based on the author's experience and research, the book provides essential information for all involved in the culture of molluscs.