

Book reviews

Whales of the World

Nigel Bonner

Blandford Press, 1989, 192 pp., HB £14.95

This is an admirable summary of the natural history of whales, dolphins and porpoises, by a zoologist who is not only well qualified by his long service in the Antarctic but also unlike so many scientists, has a most pleasing writing style. In only 174 well illustrated pages he has managed to include much unusual information as well as being right up to date on both the behavioural and physiological adaptations of whales to their aquatic environment. Thus although even an experienced human pearl diver cannot hold his breath for more than 2½ minutes, a bottlenose whale can stay submerged for two hours, thanks to various complicated biochemical adaptations, such as storing oxygen in its muscles with the help of a specialized protein, myoglobin.

In some ways whales have become the archetypal animals of the modern world. The huge size of the baleen whales, their high intelligence, their harmlessness to man, and the brutal way in which man has preyed upon them and exterminated or almost exterminated many stocks: all these factors have influenced the increasing number of people who are appalled at the insensitive way in which mankind as a whole has treated and is still treating the planet. 'Save the Whales' has become a classic slogan of the environmental movement.

Nigel Bonner most perceptively describes the rake's progress by which the International Whaling Commission, set up to manage whale stocks in order to safeguard the whaling industry, was instead used by the short-sighted whalers to ensure the destruction of the stocks and the suicide of their own industry. From the 1860s onwards

Book reviews

stock after stock was systematically reduced to commercial extinction, first in the Arctic after Svend Foyn's invention of the explosive harpoon, and after 1925 in the Antarctic when another Scandinavian, Petter Sørille, invented the slip-stem factory ship. From start to finish the story of international whale conservation has been 'too little, too late'.

Richard Fitter, Vice-President, FFPS

Tropical Landshells of the World

Brian Parkinson, with Jens Hemmen and Klaus Groh

Verlag Christa Hemmen, Weisbaden, Western Germany, 1987, 279 pp., DM 198

Although more than 1000 mollusc species now appear on regional, national and international lists of threatened and extinct species, this group of animals is still almost bottom of the league in terms of conservation priorities. Their lack of popular appeal and the dearth of specific information about which molluscs are threatened largely accounts for this. However, at last we have a book that makes a start at resolving both these problems.

The majority of threatened molluscs are terrestrial landsnails. To people in temperate lands, a snail is a small, dull, inconspicuous animal, best trampled underfoot before it lays waste to the lettuce seedlings. Yet the great rain forests of the world are home to thousands of beautiful snails, the shells of which rival any marine mollusc in colour, pattern and sculpture. The 77 plates in Brian Parkinson's book, most of them photographed by Chris Prior, provide a stunning display of their variety and jewel-like brilliance. The famous Manus Island green snail is perhaps familiar to some people, as a result, unfortunately, of its popularity in trade. Fewer people will be familiar with the small, colourfully striped

Polymita snails from Cuba or the vast numbers of varied Philippine snails.

Tropical Landshells of the World is the first popular book on tropical land snails since the 1940s and it fills a gaping hole. Introductory overviews of each of the main tropical malacological regions are followed by brief systematic accounts for each region and a useful bibliography of some 1000 references, also arranged regionally. The book does not profess to be a complete guide—with some 40,000 terrestrial mollusc species in the world, most of which are found in the tropics, this would be almost impossible. About 30 families are represented and the plates illustrate about 1000 species and subspecies. The authors stress that the taxonomy adopted is a compromise between current opinions—molluscan taxonomy is still extremely fluid, and although the specialists may not agree with some of the names in this book, for the general reader such problems are outweighed by the value of having so much information in a single volume.

But perhaps of greatest interest to the *Oryx* readership, is the attention that the authors draw to the plight of so many species. As Brian Parkinson points out in his foreword, landsnails are among the animals most vulnerable to the disappearance of the rain forests—their powers of dispersal are extremely limited, and their life histories are usually finely attuned to the particular microclimate within their patch of forest. The regional overview sections make depressing reading '... Unfortunately, many of these interesting snails have now gone the way of the Dodo, as nearly all the ebony forests that once covered the island have been cleared to make way for sugar cane.' This refers of course to Mauritius, and similar stories are told about the Philippines, Mad-

229

Book reviews

gascar, the South Pacific and other regions. Although the book mistakenly states that the Manus green snail is the only tropical snail in the *IUCN Invertebrate Red Data Book* (in fact a number are listed, and many more are included in the *IUCN Red List of Threatened Animals*), it does an invaluable job in identifying those areas of high endemism where landsnails are most at risk from loss of forest.

Brian Parkinson and his colleagues have provided a valuable tool for drawing attention to a group of species rapidly disappearing, as the world's conservationists talk about the importance of biological diversity. As the Brundtland Commission Report pointed out starkly 'the world is losing precisely those species about which it knows nothing or little; they are being lost in the remotest habitats'. *Tropical Landshells of the World* tells us a little more about some of these species and may prove a stimulus for some rapid action.
Sue Wells

Checklist of Fish and Invertebrates listed in the CITES Appendices

Patricia C. Almada-Villela (compiler) with contributions from N. Mark Collins, Tim Inskipp and Simon J. Moore
Nature Conservancy Council, Peterborough, 1988, 82 pp., SB £11.00

This list of species and subspecies of fish and invertebrates included in all three appendices of the Convention on International Trade in Endangered Species of Wild Fauna and Flora gives scientific and English names, geographical range, references and the main form of exploitation for each. The lists are of course rather lopsided; only 17 fish are listed and of the invertebrates, swallowtail and bird-

wing butterflies, corals, tree snails and pearly mussels make up the bulk, with the red-kneed tarantula and the medicinal leech being the sole representatives of their classes. This volume departs from the convention established in other checklists of the same series, only listing species on the CITES appendices rather than all Red Data Species. So little is known about these vast taxonomic groups that there is little chance of evaluating the status of more than a tiny fraction.

Fauna of Saudi Arabia

Prof. Dr W. Büttiker and Dr F. Krupp (editors)
NCWCD Riyadh and Pro Entomologia, c/o Natural History Museum, Basel, Switzerland, Volume 9, 1988. 477 pp., price not given

As noted before in *Oryx* (22, 125) *Fauna of Saudi Arabia* is a tremendous attempt at documenting the diversity and abundance of animal life in the Kingdom. Volume 9 is another compendium on Arabian zoology contributed by an international network of biologists—a network that the *Fauna* has fostered. A bewildering record of the invertebrate fauna, based on new collections and re-examination of old specimens, includes about 30 species new to science. A special section devoted to conservation issues discusses protected area development and the problem of bird trapping along the Red Sea coast. The birds of Farasan, the Red Sea archipelago, are the subject of another paper, while yet another discusses the parasitic diseases caused by imported livestock.

What makes this volume special is a comprehensive treatise on the snakes of Arabia. Taxonomy and distribution of all the 55 species (in-

cluding subspecies) of terrestrial and marine snakes recorded from the Arabian peninsula are dealt with in detail. The essential aspects of snake biology are also discussed in the paper that occupies more than half of the volume. And firmly supported by data, the author J. Gasparetti—whose 40 years of study this paper is—gives a fascinating discussion of the zoogeography of Arabia.

The *Fauna of Saudi Arabia* is a result and cause of the new momentum gathered by conservation concern in the country. Together with the earlier landmark publication *Mammals of Arabia*, it forms the foundation of Arabian natural history. As the National Commission for Wildlife Conservation and Development (NCWCD) is making rapid progress in protecting the natural heritage of the Kingdom, the *Fauna* serves as a tool in developing appropriate perspectives and plans in enhancing the biodiversity as well as in stimulating studies beyond the realm of natural history.
S. Faizi, NCWCD, PO Box 61681, Riyadh 11575

Book service

All books reviewed in the Book review pages are available from the address below, except where we supply addresses from which to obtain publications directly. Payment should be made to the NHBS in the following ways: cheques money orders; Visa, Access or Diners' Cards. Please convert dollars at current rate. Please add 10 per cent to orders to cover postage and packing.

Oryx Review Service, Natural History Book Service, 2 Wills Road, Totnes, Devon TQ9 5XN. Telephone: (0803) 865913.