

example that Kenya's elephant numbers in 1973 were 167,000 and only 4 years later 70,000 – but that is as nothing compared with solving the problem. The problem is people – too many wanting land for agriculture, ivory for ornaments, rhino horn for dagger handles, and too many everywhere wanting a share of the trade profits. Jonathan Kingdon's book does not tell us what we can do, but it will help both to alert us to the immense problems and to tell us about what we are in great danger of losing. One thing we can do is to visit East African wildlife areas and thereby help to boost wildlife. But you will probably be too late to see rhinos, or perhaps even elephants, in Uganda again, and even this book can scarcely compare with the real thing.

BRIAN BERTRAM

**The Wild Mammals of Malaya (Peninsula Malaysia) and Singapore, by Lord Medway. Oxford UP.**

Nine years after its first appearance this useful volume has been revised and produced in paperback. Lord Medway, now the Earl of Cranbrook, has also recently published the second edition of *Mammals of Borneo* (reviewed in the November 1978 *Oryx*, p430), and for him to revise yet another volume is indeed praiseworthy, in view of the tedious nature of the task. Visitors to the Far East will be the main beneficiaries.

The distribution, identification, habits, voice, life-history and subspecies of 206 species of the 32 families of 10 mammalian orders occurring in Malaya are described in 110 pages, with a further 18 pages of bibliography and index. Species are considered in terms of their known habitat types, altitudinal range and temporal or spatial separation, and whether they are (a) widespread in continental South and South-east Asia or (b) on the Sunda Shelf, or (c) endemic to the Malay Peninsula. Eleven line drawings and 15 excellent colour plates depict a wider range of species than is usual in such books. There is a concise and informative introduction, a useful glossary and keys to bats, rats and civets and mongooses.

This second edition differs from the first in the addition of 48 references, two new species and its cheaper price. Of more popular appeal than *Mammals of Borneo*, this book will be even more useful for visitors, whether tourists or scientists.

DAVID J. CHIVERS

**Population Dynamics: 20th Symposium of the British Ecological Society, edited by R.M. Anderson, B.D. Turner and L.R. Turner. Blackwell, £20.**

The dynamic changes that take place in plant and animal populations are the means whereby natural communities evolve. Man has recently (on the evolutionary time-scale) acquired the ability to accelerate or alter the direction of these changes very greatly. Sometimes we see these alterations as adversely affecting our interests, or those of the generations to come, and it is at this point that we may wish to step in to maintain the *status quo*, restore a desired system, or regulate exploitation. It follows that conservationists, or those appointed to manage the systems that we wish to control, must be familiar with the modern approach to the study of population dynamics. This book sets out to provide an up-to-date review of this rapidly expanding field. The contributors, who include many of the foremost names in the field, give an erudite and often challenging account of their recent work. Perhaps most of the papers in this book are directed to specialists rather than to the general scientific reader; certainly some knowledge of mathematical modelling is helpful in understanding many of the arguments put forward. Despite its title, this is not a book about population dynamics as such, but rather about certain topics and recent developments in the subject.

It is not easy to pick out a central theme. What comes through most clearly is the complexity of natural systems, or as R.M. May puts it: 'the richness of behaviour latent in the simplest of non-linear equations' (a quotation that gives the general flavour of the book). As we study natural systems we discover that the simpler models are inadequate;