## Advertisement

You have read about R. B. Sanyal and your zoo probably has a copy of Crandall ... next is

## WILD MAMMALS IN CAPTIVITY. Principles and Techniques

Edited by Devra G. Kleiman, Mary E. Allen, Katerina V. Thompson and Susan Lumpkin, Managing editor, Holly Harris with 76 contributors

The first modem handbook of its kind, Wild Mammals in Captivity brings together in one comprehensive volume a wealth of information gathered from studies of animal behavior, advances in breeding, genetics, and nutrition research, and studies of animal management and welfare.

Featuring contributions from dozens of internationally respected experts, this book is a professional reference of immense practical value, surveying every significant scientific, technical, and management issue. Organized into seven parts, the 48 chapters cover the basics of husbandry and nutrition; the design, planning, and management of exhibits in zoos and parks; behavior, reproduction and breeding; genetics and population management; and research in captive mammals.



This is an essential resource for administrators, keepers, veterinarians, conservation biologists, and others concerned 'with the well-being and conservation of captive wild animals.

It contains 48 chapters and 5 appendices cover every aspect of managing, breeding, exhibiting, and caring for mammals in zoos, wildlife parks, and nature preserves.

Devra G.Kleiman is Assistant Director for Research at the National Zoological Park, Smitlisonian Institution. Mary E. Allen is Head of the Department of Nutritional Resources at the National Zoological Park. Katerina V. Thompson is Assistant Professor in the College of Life Sciences, University of Maryland. Susan Lumpkin is Director of Communications for the Friends of National Zoo. Holly Hamis is a Certified Public Accountant.

JUNE 640 pp.,1996 ISBN: 0-2Y644002-8 Cloth. Order from Natraj Publishers, Rajpur Road, Dehra Dun, U. P.

## RESEARCH AND CAPTIVE PROPAGATION

Ü. Gansloßer, J.K. Hodges, W. Kaumanns

This volume reviews concepts and methods from a wide range of biological disciplines. Written by competent authors, the contributions relate important aspects of the species' biology to the management of small populations and captive breeding. This is the first overview, in a single volume, of zoobiology since Hediger's classical writing 30 years ago. It covers many aspects of contemporary biology, relating many of them to breeding endangered species for the first time.

Introduction: zoobiology and approaches for systematics and population biology.

Genetics: methods and approaches for systematics and population biology.

**Reproduction:** including the use of non-invasive methods for endocrine monitoring,

ultrasound and modern reproductive technologies (Cryoconservat ion, artificial insemination, contraception).

Behaviour and ecology: adaptability and individuality in behaviour and life history. physi~ logy of social situations, regulation of behaviour, imprinting, rhythms, welfare aspects and cognitive approaches.

**Nutrition:** Nutritional physiology and metabolism, functional morphology of the gastric tract, apsects relating to mineral and vitamin metabolism as well as ecological approaches and foraging strategies.

Miscellaneous: Problems of microtaxonomy, organismic approaches in veterinary medicine.

Can order direct from Ü. Gansloßer, J.K. Hodges, W. Kaumanns (eds.), Research and Captive Propagation, ISBN 3-9308:31-01-5, 338 pages, DM 49.80, Filander Verlag GmbH, Bremer Str. 21a, [)-90765 Fjirth, Tel.: ++911/790 5893, Fax: ++911/790 5972. or from Natraj Publishers, Rajpur Road, Dehra Dun, U. P.

