

Oryx



The International Journal of Conservation

Volume 35 • Number 2 • April 2001



Oryx

The International Journal of Conservation

ISSN 0030 - 6053 Fauna & Flora International
Conserving wildlife since 1903
Patron Her Majesty The Queen
Registered Charity 1011102

A company limited by guarantee: registered in England 2677068
FFI, Great Eastern House, Tenison Road, Cambridge CB1 2TT UK.
Tel: +44 1223 571000; Fax: +44 1223 461481;
E-mail: info@fauna-flora.org. http://www.fauna-flora.org/

Editor

Camilla Erskine/Dr Martin Fisher, *FFI, UK*

Editorial Assistant

Dr Josephine I. Morley

Senior Editors

Dr Bill Adams *University of Cambridge, UK*

Dr Andrew Balmford *University of Cambridge, UK*

Dr Porter P. Lowry II *Missouri Botanical Garden, USA and France*

Dr Jeffrey A. McNeely *IUCN - The World Conservation Union, Switzerland*

Dr E. J. Milner-Gulland *Imperial College London, UK*

Professor Paul Racey *University of Aberdeen, UK*

Dr John G. Robinson *Wildlife Conservation Society, USA*

International Board of Editors

Jonathan Barzdo *Switzerland*

Dr Thomas Butynski *Kenya*

Dr Philippe Chardonnet *France*

Dr Nigel Collar *UK*

Dr Robert H. Cowie *Hawaii*

Dr S. K. Eltringham *UK*

Dr Anna Feistner *Jersey*

Professor Jon Fjeldså *Denmark*

Associate Professor Ulf Gärdenfors *Sweden*

Dr Joshua R. Ginsberg *USA*

Dr Colin Groves *Australia*

Professor Tim Halliday *UK*

Professor John Harwood *UK*

Professor Páll Hersteinsson *Iceland*

A. M. Hutson *UK*

Dr Rainer Hutterer *Germany*

Dr Kadzo Kangwana *USA*

Nurani Kartikasari *Indonesia*

Dr Marina V. Kholodova *Russia*

Professor Roger Kitching *Australia*

Dr Patricia Majluf *Peru*

Dr Jeanne A. Mortimer *USA*

John Newby *Switzerland*

Professor John F. Oates *USA*

Professor Hugh Possingham *Australia*

Dr Kent H. Redford *USA*

Dr Anthony B. Rylands *USA*

Professor Carel van Schaik *USA*

Professor Timothy M. Swanson *UK*

Dr Lee White *Gabon*

Dr Michael Woodford *USA*

Dr Juichi Yamagiwa *Japan*

Sir John Browne F Eng

Richard Fitter

Professor Frederick Kayanja

Dr George B. Rabb

Dr Lisbet Rausing

The Hon. Miriam Rothschild CBE FRS

The Rt Hon. Baroness Young of Old Scone

Chairman Lindsay Bury

Vice-chairman Dr David Chivers

Honorary Treasurer Derek Bensley

Company Secretary Robin Sharp CB

Executive Director Mark Rose

Council

Dr Bill Adams

Bruce Coleman

Dr Lee Durrell

Paul Green

Ronald Haylock

Rosamund Kidman Cox

William Kendall

Professor Jonathan Kingdon

Professor Nigel Leader-Williams

Professor David Macdonald

Professor Paul Racey

Lord Robin Russell

Professor William Sutherland

Members' changes of address

Please notify changes to FFI at address above.

Fauna & Flora International

President

The Rt. Hon. the Earl of Cranbrook, DL

Vice-Presidents

Sir David Attenborough CH CVO CBE FRS

Professor David Bellamy OBE

Dr Gerard A. Bertrand

Institutional Subscriptions *Oryx* is published four times a year (one volume per annum) in January, April, July, October. Prices for 2001 are: £205.00 (Europe), £226.00 (Overseas except North America), US\$359.00 (USA and Canada). Subscribers in Canada must add 7% to the subscription price, to allow for GST. Subscribers in Europe must quote their VAT registration number or state that they are not registered. Subscribers in the following countries who are not VAT-registered must add VAT at the appropriate rate: Belgium (6% TVA/BTW), France (2.1% TVA), Germany (7% MWST), Spain (4% IVA), The Netherlands (6% BTW). Orders for current subscriptions and back issues should be sent to Blackwell Science Ltd, Journal Subscriptions, PO Box 88, Oxford OX2 0NE, UK. Tel: +44 1865 206180 or 206038, Fax: +44 1865 206219, e-mail: journals.cs@blacksci.co.uk

FFI Members Subscriptions Members of Fauna & Flora International receive the journal as part of their subscription to the society (Standard membership rate: £37.00; Concessionary membership rate: £20.00). A membership application form is printed at the back of this issue. Enquiries about back issues for members should be addressed to the Membership Secretary at FFI.

Advertising and offprints Enquiries should be sent to Blackwell Science Ltd, Osney Mead, Oxford OX2 0EL, UK. Tel: +44 (0)1865 206180; Fax: +44 (0)1865 721205. Information on this journal can be accessed at <http://www.blackwell-science.com/products/journals/oryx.htm> E-mail: journals.cs@blacksci.co.uk

Copyright and Photocopying © 2001 FFI. Authorization to photocopy items for internal or personal use, or the internal or

personal use of specific clients, is granted by Blackwell Science Ltd for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of \$15.00 per copy is paid directly to CCC, 222 Rosewood Drive, Suite 910, Danvers, MA 01973, USA. This consent does not extend to other kinds of copying such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale. Special requests should be addressed to the Editor. *Oryx* ISSN 1010-061X/01/\$15.00.

The Blackwell Science logo is a trade mark of Blackwell Science Ltd registered at the United Kingdom.

Despatch *Oryx* is despatched within the UK by second class post, within Europe by air mail, and to other continents by various forms of air-speeded delivery, to the US by air freight for forwarding by second class post*, to India by air freight for guaranteed local delivery, and to all other countries by accelerated surface post. Add to the cost of a regular subscription £12.00/\$18.00 for air mail delivery outside Europe.

Paper *Oryx* is printed on acid-free permanent paper, made from sustainable forests using Elementary Chlorine-free (ECF) pulp. This paper holds an Environmental Management System certificate, and meets ISO accreditations relating to its production and use of energy.

*Second Class postage paid at Rahway, NJ. Postmaster send changes to *Oryx* c/o Mercury Airfreight International Inc., 365 Blair Road, NJ 07001 (US Mailing Agent), USA.