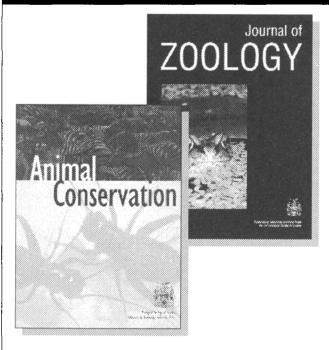
Fauna & Flora International membership application Please complete in block letters
Surname First name(s) Title Title
Address
Postcode
Membership categories (tick appropriate box) Standard (includes Oryx and Fauna & Flora News) £37 □ Concessionary (senior citizen, unwaged, student*) £20 □ Sponsor £75 (includes additional subscription for
Oryx in a developing country [
Supporter (includes Fauna & Flora News) £15 \( \) Benefactor £50 \( \) Life £1000 \( \)  Airmail despatch (see inside cover for standard despatch details) £8.00 \( \)  *If student please give date you expect to finish studies
Methods of Payment
Cheque/postal or money order/giro credit (currency: £ sterling only)  I enclose £
Credit card (American Express, Visa, Delta, Switch, Mastercard, Access, Eurocard)
Name of card Expiry date Expiry date
Card No.
Direct Debit Please fill in the whole form and send it to FFI Originator's identification number 916890
Name and full postal address of your Bank or Building Society Branch
To: The Manager, Bank or Building Society,
Postcode
2. Name(s) of account holder(s)
3. Branch Sort Code
4. Bank or Building Society Account No 5. FFI ref. no. (office use only)
6. Instructions to your Bank or Building Society. Please pay Fauna & Flora International Direct Debits from the account detailed on this Instruction subject to safeguards assured by The Direct Debit Guarantee
Signature(s) Date
Deed of Covenant
If you pay income tax in the UK you can greatly increase the value of your subscription to the FFI, at no additional cost to yourself, by signing this Deed of Covenant.
I (full name) of of
hereby covenant with the Fauna and Flora Preservation Society, whose office is Great Eastern House, Tenison
Road, Cambridge CB1 2DT, that for a period of four years from the date hereof, or until my death (whichever
shall be the shorter period) I will pay annually to the said Society from the day of (this date should
be later than the date of the signature) in every year such a sum as, after deduction of income tax at the standard
rate for the time being in force, amounts to £(please insert the actual amount of your subscription), such a
sum to be paid from my general fund of taxed income.
Signed and sealed by me this * day of 19 Signature
In the presence ofOccupation(signature of witness, who should not be your spouse)
Address
* The first payment must be received within 1 year from this date. 2/99

### **Cambridge Journals**



#### **Animal Conservation**

A Journal of Ecology, Evolution and Genetics Published for The Zoological Society of London

This new journal, launched in 1998, published on behalf of the The Zoological Society of London, brings together exciting new research into the factors which influence the conservation of animal species and their habitats. Subjects covered by the journal include ecology, behavioural ecology and wildlife biology; wildlife disease and epidemiology; evolutionary ecology and genetics; population biology; systematic biology and phylogenetics; biodiversity and biogeography; management (including translocation and sustainable use).

Animal Conservation provides an unique and important forum for rapid publication of novel, peer reviewed scientific studies, and will be essential reading not only for conservation biologists working in a range of related fields, but also for professionals working in governmental and non-governmental bodies, policy-makers and students.

Recent articles include

Sorting out tigers (*Panthera tigris*):mitochondrial sequences, nuclear inserts, systematics, and conservation genetics,

J. Cracraft, J. Feinstein, J. Vaughn & K. Helm-Bychowski

Managing the elephants of Kruger National Park,

I. Whyte, R. van Aarde & S. L. Pimm

Habitat use and resource tracking by African Ceratogymna hornbills: implications for seed dispersal and forest conservation, K. D. Whitney & T. B. Smith

Volume 2 in 1999: February, May, August and November Institutions print plus electronic: £81/\$132

Individuals print only: £40/\$64 Students: £18/\$30

Zoological Society of London (Fellows): £21/\$36

ISSN 1367-9430

#### Journal of Zoology

Published for The Zoological Society of London

The Journal of Zoology is published by Cambridge University Press for The Zoological Society of London. The aim of the journal is to publish original papers, in English, within the whole field of zoology. Research reviews, and reports of scientific meetings held by the Society, may also be included, and there is a twice-yearly section of Short Communications on all animal taxa.

The great variety of subject matter ensures something of interest for all researchers, and at the same time provides a broad view of trends and developments in zoology.

Recent articles include

Polymorphism, mating prefernces and sexual selection in the Arctic skua, R. A. Phillips & R. W. Furness

The male reproductive cycle of three species of Australian vespertilionid bat, D. J. Hosken, M. A. Blackberry, T. B. Stewart & A. F. Stucki

A new species of *Prosorhochmus* (Hoplonemertea, Monostilifera) from the Chafarinas Islands (western Mediterranean), *I. Frutos, S. Montalvo & J. A. Junoy* 

Morphological and genetic differentiation of *Patella granularis* (Gastropoda: Patellidae): recognition of two sibling species along the coast of southern Africa, *T. M. Ridgway, B. A. Stewart, G. M. Branch & A. N. Hodgson* 

Blood supply to the eyes and brain of lamniform sharks (Lamniformes), R. L. Alexander

Volumes 247-249 in 1999: monthly Subscriptions print only: £480/\$895 Zoological Society of London (Fellows): £46/\$78 Relevant societies: £120/\$195 ISSN 0952-8369

Take a closer look – free
Please send me a free sample copy of
☐ Animal Conservation☐ Journal of Zoology
Send this coupon to: Journals Marketing, Cambridge University Press, The Edinburgh Building, Cambridge, CB2 2RU, UK
name
***
address

For further information and free sample copies contact: Journals Marketing Department, Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU Tel: +44 (0)1223 325969 Fax: +44 (0)1223 315052 E-mail: journals\_marketing@cup.cam.ac.uk www: http://www.cup.cam.ac.uk



The Edinburgh Building Cambridge, CB2 2RU, UK http://www.cup.cam.ac.uk **b** 

Science

Osney Mead Oxford OX2 OEL UK

**Telephone** +44 (0)1865 206206

**Fax** +44 (0)1865 721205

## Journal of Animal Ecology

Editors:

Dave Rafaelli, University of Aberdeen, UK Steve Albon, Institute of Zoology, London, UK

### Published for the British Ecological Society

The *Journal of Animal Ecology* first appeared in 1932. It publishes the best in original research on any aspect of animal ecology. Recently it has published papers on population ecology, behavioural ecology, community ecology, physiological ecology and evolutionary ecology. Field, laboratory and theoretical studies based upon terrestrial, freshwater or marine systems are all published. The editors are keen to promote all these traditional areas and also to encourage publication of papers in new and emerging fields such as molecular ecology.

Journal of Animal Ecology (ISSN 0021-8	790) is published	999 Rates) bimonthly. British Eccontact the Society fo	- •
Please enter my 1999 subscription to			
>	Journal of Anir	nal Ecology at the	following rate:
	European	USA/Canada	Rest of the World
nstitutions	□ £281.00	<b>\$510.00</b>	□ £309.00
Airmail fee (optional outside Europe)	included	□ <b>+</b> \$18.00	□ + £12.00
European Community VAT & Canadian Subscribers in Europe must quote their VA he following countries who are not VAT-r Belgium (6% TVA/BTW); France (2.1% Total Page 1988)	AT registration nu registered must ad	ld VAT to the subscrip	ption price at the appropriate rate:
My VAT registration number is			•
☐ I am not VAT-registered			
All subscribers in Canada must add 7% to	allow for GST.		
☐ I attach a cheque (payable to Blackwel☐ Please debit my American Express / D card number: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	piners / Eurocard /	/ JCB / Mastercard / V	/ISA ary date: / Date
Please send me a free sample copy of .	Journal of Anima	l Ecology	
Name			Animal
Address			Facil
Street / PO Box			Ecology Bran Shorneks & Steve Albon
County			
Country Po	st/Zip Code		0.1
Telephone no			

www.blackwell-science.com

**B**lackwell Science

Osney Mead Oxford OX2 OEL UK

**Telephone** +44 (0)1865 206206

**Fax** +44 (0)1865 721205

# African Journal of Ecology

Published for the East African Wild Life Society

Editor:

Professor Fred Kayanja, Mbarara University, Kampala, Uganda

Associate Editor:

Professor Keith Eltringham, University of Cambridge, UK

African Journal of Ecology is the foremost scientific journal on the ecology of the continent.

The Journal publishes original research, comprehensive reviews, notes and records on all aspects of the ecology of the animals and plants of Africa. In addition to pure ecological research, aspects of applied ecology are also included, and the Journal has recently carried a number of articles on biodiversity, conservation and the impact of tourism.

It is essential reading for all those interested in the wildlife and ecology of Africa.

Members of the East African Wild Life Society receive the Journal as part of their membership.

Orde	er Form (1	999 Rates)	AFJE99
African Journ	al of Ecology (ISS	N 0141-6707) is publ	lished quarterly.
Please enter my 1999 subscription to	African Journa	el of Ecology at the	following rate:
	European	USA/Canada	Rest of the World
Institutions	□ £265.00	\$485.00	□ £292.00
Airmail fee (optional outside Europe)	included	□ + \$12.00	□ +£8.00
European Community VAT & Canadia Subscribers in Europe must quote their V the following countries who are not VAT Belgium (6% TVA/BTW); France (2.1%	AT registration nu registered must ac	ld VAT to the subscrip	ption price at the appropriate rate:
My VAT registration number is			
☐ I am not VAT-registered			
All subscribers in Canada must add 7% t	o allow for GST.		
☐ I attach a cheque (payable to Blackwo ☐ Please debit my American Express / I card number: ☐ ☐ ☐		JCB / Mastercard / V	VISA iry date: /
with the sum of    £	US\$	Signature	Date
	·		
□ Please send me a free sample copy of	African Journal o	of Ecology	African Journal of
□ Please send me a free sample copy of	f African Journal o	of Ecology	
□ Please send me a free sample copy of Name	f African Journal o	of Ecology	African Journal of
□ Please send me a free sample copy of Name	f African Journal o	of Ecology	African Journal of
□ Please send me a free sample copy of Name  Address  Street / PO Box  County	f African Journal o	of Ecology	African Journal of
Please send me a free sample copy of Name Address Street / PO Box County Country	f African Journal o	of Ecology	African Journal of
☐ Please send me a free sample copy of Name	f African Journal o	of Ecology	African Journal of

#### **Notes for contributors**

**Scope** The journal aims to provide a comprehensive view of the conservation of wild species of fauna and flora. It welcomes original, succinct and up-to-date papers for rapid publication on all aspects of species conservation, particularly material that has potential to improve conservation efforts and that enhances understanding of conservation needs.

**Readership** The readership is broadly based and global. It includes conservation professionals, members of academic institutions specializing in wildlife conservation, government departments, non-governmental conservation organizations, students in conservation-related disciplines and interested members of the general public.

**Submissions** Manuscripts should be sent to The Editor, Oryx – The International Journal of Conservation, Winkfield, Station Road, Plumpton Green, East Sussex BN7 3BU, U.K. E-mail: jacquim@pavilion.co.uk

**Papers** (2000–7000 words) are invited on topics relevant to the journal's main focus, including:

- Field research on the status and distribution of threatened species
- Reviews of the status and distribution of individual species or taxonomic groups
- Reviews of conservation policy and legislation at international, national and local levels
- Planning for species and biodiversity conservation
- The working of international conservation conventions
- The nature and results of practical conservation initiatives by governmental and non-governmental organizations, especially analytical case studies
- · Research on the sustainable use of wild species
- The history of conservation, including the role of key people, organizations and initiatives.

**Short Communications** (< 2000 words) are invited on: research results that have important implications for conservation; wild species or habitats under immediate threat; new legislation, protected areas or conservation initiatives; and conservation gains and losses.

Papers and Short Communications are considered on the understanding that their contents have not been published, or submitted for publication, elsewhere. A covering letter accompanying the manuscript should confirm this. If there is any overlap with other papers, e.g. in press or in preparation, this should be stated and the papers in question sent to the editor. The corresponding author must confirm that all authors are aware that the manuscript has been submitted.

Manuscripts are subject to peer review by at least two referees in liaison with one of the Senior Editors. It is helpful if authors suggest at least one appropriate referee.

After acceptance papers may be edited to enhance clarity. Where major changes have been made edited manuscripts are returned to authors before typesetting. Page proofs are sent to authors for approval. Contributors receive two free copies of the journal and may buy additional copies and offprints.

The editor would also be pleased to receive contributions to other sections of the journal:

**Opinion** Contributions (< 700 words) to current conservation thinking, usually referring to material published in previous issues of the journal.

**Briefly** Concise reports (< 175 words) on news of general conservation interest.

Announcements Grants, research opportunities, meetings.

**Preparation of manuscripts** Contributions should be in English and three copies should be submitted, double-spaced on A4 paper, with a left-hand margin of at least 40 mm. E-mail submissions are acceptable but should be followed by a printed copy. The journal welcomes manuscripts on disk after acceptance.

The cover page should contain the title of the paper (not exceeding 20 words, a running head of no more than 40 characters, a word count from the start of the text to the end of the references, the full mailing address, E-mail address and address at the time the research was carried out of the corresponding author, and the names and addresses of additional authors.

**Abstract** (100–250 words) This should describe the purpose of the paper, the major findings and main conclusions. It should be informative and intelligible without reference to the text. Five keywords relevant for literature searching should be supplied.

**Biosketches** are invited, describing the affiliations and main research interests of the corresponding author (up to 150 words) or of up to three authors (300 words in total).

**Footnotes** should be avoided but, if necessary, should be indicated with asterisks in the text.

**References** should be cited in the text as, for example, Hardcastle & Wilson (1996) or (Leadbeater, 1996). Where there are three or more authors use the first author's surname followed by *et al.* Multiple references should be listed in chronological order. The reference list should be in alphabetical order and include the full article title. Titles of serial publications should be given in full. References at the end of the paper should follow the Harvard system. The following are examples of house style.

LeBoeuf, B.J., Kenyon, K.W. & Villa-Ramirez, B. (1986) The Caribbean monk seal is extinct. Marine Mammal Science, 2, 70–72.

Beck, B.B., Rapaport, L.G. & Stanley Price, M.R. (1994) Reintroduction of captive-born animals. In Creative Conservation: Interactive Management of Wild and Captive Animals (eds P. J. S. Olney, G. M. Mace and A. T. C. Feistner), pp. 265–286. Chapman & Hall, London.

Brady, L.D., Huston, K., Jenkins, R.K.B., Kauffmann, J.L.D., Rabearivony, J., Raveloson, G. & Rowcliffe, M. (1996) UEA Madagascar Expedition '93. Final Report. Unpublished Report, University of East Anglia, Norwich.

Bowler, M. (1991) Implications of large predator management on commercial ranchland in Zimbabwe. MSc thesis, University of Zimbabwe.

Refisch, J. (1991) Presence des grands mammifères dans le Parc National de Kahuzi-Biega et l'influence humaine sur les populations des animaux. Rapport dans le cadre du project IZCN/GTZ – Conservation de la Nature Intégré, l'Est Zaire [in French].

**Figures and maps** should be in black ink on strong white or translucent paper and should not be labelled. Lettering on maps and figures should be sent on a separate copy of the figure. Ilustrations should be glossy, black-and-white whole-plate prints or good colour slides.

**Tables** should be self-explanatory and printed on a separate sheet with an appropriate caption.

**Species' names** should follow a named checklist, which should be mentioned in a covering letter. The first time a species is mentioned its scientific name should follow without intervening punctuation: thus, African elephant *Loxodonta africana*. English names should be in lower case throughout except where they incorporate a proper name.

Oryx is covered by Biological Abstracts, BIOBASE/Current Awareness in Biological Sciences, Current Contents Agriculture, Biology and Environmental Science, Science Citation Index, SciSearch, Research Alert and Ecology Abstracts.

# **Oryx**

### The International Journal of Conservation

FAUNA & FLORA International

Volume 33 • Number 2 • April 1999

### **Contents**

- 87 Editorial (Less and less) great expectations
- 89 Opinion
  Reintroductions, introductions, and the importance of post-release monitoring lessons from Zanzibar The rule of law and African game, and social change and conservation misrepresentation a reply to Spinage Interpreting current levels of poaching of African elephant Landmine clearance its probable effect on Angolan biodiversity
- 98 Briefly
- 108 Impact of wildfires on the megafauna of Emas National Park, central Brazil

  Leandro Silveria, Flávio Henrique G. Rodrigues, Anah Tereza de Almeida Jácomo and José Alexandre

  F. Diniz Filho
- 115 Wildlife rescues the case of the Petit Saut hydroelectric dam in French Guiana Jean-Christophe Vié
- 127 Local community involvement in conservation the use of mini-guides in a programme for sea turtles in Brazil
  Claudia F. Vieitas, Gustave G. Lopez and Maria A. Marcovaldi
- 132 Conserving the African wild dog, Lycaon pictus. I. Diagnosing and treating causes of decline Rosie Woodroffe and Joshua R. Ginsberg
- 143 Conserving the African wild dog, Lycaon pictus. II. Is there a role for reintroduction? Rosie Woodroffe and Joshua R. Ginsberg
- 152 The conservation status of the Chinese alligator John Thorbjarnarson and Wang Xiaoming
- 160 Mortality incident in northern bald ibis Geronticus eremita in Morocco in May 1996 Jamal Touti, Fatima Oumellouk, Christophaer G. R. Bowden, James K. Kirkwood and Ken W. Smith
- 168 Arabian oryx reintroductions in Oman: successes and setbacks J. A. Spalton, M. W. Lawrence and S. A. Brend
- 176 Trade in Asian elephant ivory in Sri Lanka
  Charles Santiapillai, Ajith Silva, Champika Karyawasam, Shameema Esufali, Salila Jayaniththi, Mano
  Basnayake, Vasantha Unantenne and S. Wijeyamohan
- 181 Research news
- 184 Conservation news
- 188 Grants and opportunities
- 191 Meetings
- 193 Publications

b

Blackwell Science Cover: The African wild dog, Lycaon pictus (J. Ginsberg)

Information of this journal can be accessed at: http://www.blackwell-science.com/ory

Oryx is covered by Biological Abstracts, Current Awareness in Biological Sciences, Current Contents Agriculture, Biology and Environmental Science, Science Citation Index, SciSearch, Research Alert and Ecology Abstracts

Typesetting by Datapage International Limited, Dublin, Ireland Printed by Thanet Press Ltd, Margate, Kent



FFI is grateful to ICI for its financial support of *Oryx* 



0030-6053(199904)33:2;1-W