Fauna & Flora International membership application Please complete in block letters
Surname First name(s) Title
Address
Postcode Membership categories (tick appropriate box) Standard (includes Oryx and Fauna & Flora News) £27 □ Concessionary (senior citizen, unwaged, student*) £15 □ Sponsor £50 (includes additional subscription for Oryx in a developing country □ Supporter (includes Fauna & Flora News) £12 □ 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 Name of card holder Expiry date
Direct Debit Please fill in the whole form and send it to FFI Originator's identification number 916890
1. 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 addi- tional cost to yourself, by signing this Deed of Covenant.
I (full name) 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 theday 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 $\pounds_{}$ (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 of Occupation (signature of witness, who should not be your spouse)
Address
* The first payment must be received within 1 year from this date. 2/98

b

Blackwell Science

Osney Mead. Oxford OX2 0EL. UK

Telephone (01865) 206206

Fax (01865) 206096

JOURNAL OF ANIMAL ECOLOGY A Journal of the British Ecological Society

Editors: **Bryan Shorrocks**, University of Leeds and **Steve Albon**, Institute of Terrestrial Ecology, Banchory

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 in addition would like to see an increasing number of papers in the field of molecular ecology.

Subscription Information

Journal of Animal Ecology is published bimonthly. Subscription prices for 1998 are £255.00 (Europe), £280.00 (Overseas) and US\$465.00 (North America). Members of the British Ecological Society can receive the journal at a greatly reduced rate, and should contact the Society for details.

	ropriate box and return to Karen Edge o subscribe to <i>Journal of Animal Ecol</i> o		9:
	by cheque and enclose the sum of \pounds_{-}	0,	
I wish to pay I	by Access/American Express/Barclayc). Please debit my credit card number	ard/Diners Card/VISA/N	fastercard/JCB (delet
			Expiry date
with the sum of f	US\$ Signature		
European Com Subscribers in E VAT-registered.	nunity VAT & Canadian GST urope must quote their VAT regist Subscribers in the following coun	ration number or stat tries who are not VA	e that they are not T-registered must
European Com Subscribers in E VAT-registered. add VAT to the s (2.1% TVA); Ger	nunity VAT & Canadian GST	ration number or stat tries who are not VA e rate: Belgium (6% T ; The Netherlands (6%	e that they are not T-registered must VA/BTW): France
European Com Subscribers in E VAT-registered. add VAT to the s (2.1% TVA); Ger All subscribers i	nunity VAT & Canadian GST urope must quote their VAT regist Subscribers in the following coun subscription price at the appropriat many (7% MwSt); Spain (4% IVA)	ration number or stat tries who are not VA e rate: Belgium (6% T ; The Netherlands (6% r GST.	e that they are not T-registered must VA/BTW); France 6 BTW).
European Com Subscribers in E VAT-registered. add VAT to the s (2.1% TVA); Ger All subscribers i	nunity VAT & Canadian GST urope must quote their VAT regist Subscribers in the following coun subscription price at the appropriat many (7% MwSt); Spain (4% IVA) n Canada must add 7% to allow fo	ration number or stat tries who are not VA e rate: Belgium (6% T ; The Netherlands (6% r GST. I am not reg	e that they are not T-registered must VA/BTW); France 6 BTW).
European Comu Subscribers in E VAT-registered. add VAT to the s (2.1% TVA); Ger All subscribers i VAT registration nu Please send	nunity VAT & Canadian GST urope must quote their VAT regist Subscribers in the following coum subscription price at the appropriat many (7% MwSt); Spain (4% IVA) n Canada must add 7% to allow for mber	ration number or stat tries who are not VA e rate: Belgium (6% T ; The Netherlands (6% r GST. I am not reg imal Ecology	e that they are not T-registered must VA/BTW); France & BTW). gistered for VAT

b

AFRICAN JOURNAL OF ECOLOGY

Blackwell Science

Osney Mead. Oxford OX2 0EL. UK

Telephone (0865) 206206

Fax (0865) 206096

Published for the East African Wildlife Society Editor: **F I B Kayanja**, *Makerere University, Kampala* Associate Editor: **K Eltringham**, *University of Cambridge, UK*

African Journal of Ecology (formerly East African Wildlife Journal) publishes original scientific research into the ecology of the animals and plants of Africa. It has a wide circulation both within and outside Africa and is the foremost research journal on the ecology of the continent. In addition to original articles, the Journal publishes comprehensive reviews on topical subjects and brief communications of preliminary results.

Subscription Information

African Journal of Ecology is published quarterly. Subscription rates for 1998 are £236.50(Europe), £260.00 (overseas), US\$431.50 (USA & Canada).

results.
Order Form Please return to Karen Edge at the address opposite:
 I would like to subscribe to African Journal of Ecology I wish to pay by cheque and enclose the sum of £ US\$ I wish to pay by Access/American Express/Barclaycard/Diners Card/VISA/Mastercard/JCB (delete as necessary). Please debit my credit card number:
Expiry date
with the sum of £US\$SignatureDate
European Community VAT & Canadian GST Subscribers in Europe must quote their VAT registration number or state that they are not VAT-registered. Subscribers in the following countries who are not VAT-registered must add VAT to the subscription price at the appropriate rate: Belgium (6% TVA/BTW); France (2.1% TVA); Germany (7% MwSt); Spain (4% IVA); The Netherlands (6% BTW). All subscribers in Canada must add 7% to allow for GST.
VAT registration number I am not registered for VAT
Name
Address
Access the Blackwell Science Home Page on http://www.blackwell-science.com

b

Blackwell

Science

Osney Mead,

Oxford OX2 0EL.

UK

Telephone

(01865) 206206

Fax

(01865) 206096

MAMMAL REVIEW



Editors:

D W Yalden PhD, School of Biological Sciences, University of Manchester and **G R Hosey** PhD, Department of Psychology & Biology, Bolton Institute.

Mammal Review is an official publication of the Mammal Society, dedicated to the promotion of mammalian studies. It is not intended for the publication of the results of original research but rather as a secondary journal, carrying reviews of, and reports on, any aspect of mammalogy. It also serves to report the proceedings of the Society's Symposia, which again are of a review nature. Nowadays there are relatively few people who study a taxonomic group *per se*; many more become interested in the groups through the pursuit of one of the subdisciplines such as ecology, behaviour, anatomy, physiology, genetics, etc. The journal therefore has an interdisciplinary nature and is intended for a wide readership, both amateur and professional. Contributions which promote the dissemination of knowledge of mammals or encourage their study are invited, particularly those which describe work in progress in the various disciplines and which help to bridge interdisciplinary gaps. Reports on the status and distribution of mammalian species are also welcomed.

Orde	- — — — — — — — — — — — — — — — — — — —	
	e tick the appropriate box and return to Karen	Edge at the address opposite:
	I would like to subscribe to Mammal Review	
	I wish to pay by cheque and enclose the sum	
	as necessary). Please debit my credit card nu	rclaycard/Diners Card/VISA/Mastercard/JCB (de
	<i>z, j</i>	
		Expiry date
		D /
with tr	ne sum of £ US\$ Signature	Date
regi re n TVA	istration number or state that they are not registered was add VAT to the subscri	- Subscribers in Europe must quote their VAT ered. Subscribers in the following countries whoa iption price at the appropriate rate: Belgium (6% MwSt); Spain (4% IVA); The Netherlands (6% 6 to allow for GST.

ORYX: NOTES FOR CONTRIBUTORS

Scope Oryx is the journal of Fauna & Flora International whose mission is 'To safeguard the future of endangered species of animals and plants'. Oryx publishes information on the conservation of threatened species and habitats world-wide. **Readership** The readership is broadly based and international. It includes conservation professionals, members of academic institutions with wildlife conservation specialisms, governmental departments, non-governmental conservation organizations, students in conservation-related disciplines and interested members of the general public.

Content *Oryx* publishes articles, Guest Editorials, News and Views (opinions, letters concerning material appearing in the journal, issues of topical interest, new discoveries.), and Briefly – an international digest of conservation news. Guidance on submitting papers in given below. Those wishing to contribute to other sections of the journal should contact the editor.

Submissions: to the Editor, FFI, Great Eastern House, Tenison Road, Cambridge CB1 2DT, UK. Manuscripts submitted for consideration should be appropriate for the readership and should focus on the conservation of threatened species

Papers occupying fewer than three pages of the journal are accepted as **Short Communications**.

Papers are accepted 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 prep., 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.

All manuscripts are reviewed by at least two referees. It is helpful if authors suggest at least one referee who is qualified to judge the work objectively.

After acceptance papers may be edited to enhance clarity. Where major changes have been made edited manuscripts are returned to authors before type-setting. Page proofs are sent to authors for approval before going to press. Contributors receive two free copies of the journal and will be entitled to buy additional copies and offprints at cost price. **Preparation of manuscripts** Contributions should be in English, be concise and readable, and should avoid jargon. Articles should be as short as possible, preferably under 3000 words. Manuscripts should be typed on one side only and double-spaced on A4 paper, with a left-hand margin of at least 40 mm. Three copies should be submitted.

An Abstract should describe the purpose of the paper, outlining any major findings or points, and stating the main conclusions. It should be concise (between 100 and 250 words long), informative and intelligible without reference to the text. Footnotes should be avoided but, if necessary, should be indicated with asterisks in the text. The author's name and postal address should follow any acknowledgements and references. References should be cited in the text as, for example, Hardcastle and Wilson (1996) or, if in parentheses, as (Leadbeater, 1996). Where there are three or more authors use the first authors 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.

- Author, A.B. and Author, B.C. 1996. Title of article. Journal Title in Italics in Full. 00 (Suppl. 2), 000–000.
- Author, A., Author, B., Author, C. *et al.*, [if more than 6]. In press. *Book Title* (ed. A. B. Editor). Publisher, Place.
- Author, A. and Author, B., Jr. 1989. Chapter title with lower case initials except for proper nouns etc. In *Book Title in Italics*, Vol. 1. *Upper-case Initials to Nouns etc.* (eds A. B. Editor and C. D. Editor), 2nd edn, pp. 00–00. Publisher, Place.
- Author, A. 1996. Thesis title with lower-case initials to words except proper nouns etc. PhD thesis, University.
- Author, A. In press. *Rapport sur quelque fois*. Report no. 1, Institution Name in Full, Place [in French].
- Author, A. 1996. Abstract title. In Symposium on How to Present References (ed A. B. Editor), pp. 62, abstract 500. Publisher, Place.

Illustrations are welcomed and ideally should be glossy, black-and-white whole-plate prints. Good colour slides are acceptable if black-and-white photographs are not available. Plates are not normally given figure nos. Captions for photographs should be typed on a separate sheet.

Figures Maps and figures 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.

Tables Each table should be self-explanatory and typed on a separate sheet with an appropriate caption.

Scientific names should not be placed in parentheses where they follow English names: Thus: snow leopard *Uncia uncia*. 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 be given. English names should be in lower case throughout except where they incorporate a proper name.



Volume 32 Number 2 April 1998



Contents

81 Editorial

- New editors for Oryx
- 82 Guest editorial
- Changing conservation aims who will represent wildlife
 News and Views

• Whaling and the 'Irish Proposals' • Interpreting current levels of poaching of African elephants • Sustainability: an elusive and misused concept • Old World primates – new species and subspecies • Action plan for Caprinae

91 Briefly

111 Wildlife snaring – an indicator of community response to a community-based conservation project *Dale M. Lewis and Andrew Phiri*

122 Distribution, abundance and conservation status of Grauer's gorilla *Jefferson S. Hall, Kristin Saltonstall, Bila-Isia Inogwabini and Ilambu Omari*

131 Managing bushmeat hunting in Okapi Wildlife Reserve, Democratic Republic of Congo David S. Wilkie, Bryan Curran, Richard Tshombe and Gilda A. Morelli

145 A faunal survey of the Dieng Mountains, Central Java, Indonesia: distribution and conservation of endemic primate taxa

Vincent Nijman and S. (Bas) van Balen

Cover

African elephants *Loxodonta africana* Etosha National Park, Namibia Jen and Des Bartlett/Bruce Coleman Limited **157** Surveys on Propithecus verreauxi deckeni, a melanistic variant, and P. v. coronatus in north-west Madagascar Deborah J. Curtis, Arsène Velo, Evelyne-Odette Raheliarisoa, Alphonse Zaramody and Pie Müller

Information on this journal can be accessed at: http://www.blackwell-science.com/products/journals/oryx.htm

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.



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





CODEN ORYXAM ISSN 0030--6053

Blackwell Science

by J. Morris Printed by Thanet Press Ltd, Margate, Kent

Typesetting and composition by J. Morris

0030-6053(199804)32:2;1-#