



**THE WHITLEY AWARD SCHEME FOR
INTERNATIONAL NATURE CONSERVATION**

- Total annual prize money available £100,000
- Supports international nature conservation projects
- Scheme encompasses conservation issues beyond wildlife protection, including botany
- Conservationists from any country welcome to apply
- Project can be located anywhere in the world
- Significant host country participation essential
- Undergraduate and school-level projects not eligible
- Application deadline: 30 November 1998
- Interviews in London on 10 February 1999
- Visit our web site: www.whitley-award.org

The Whitley Award Scheme for International Nature Conservation

The Royal Geographical Society (with The Institute of British Geographers)

1 Kensington Gore, London SW7 2AR

email: grants@rgs.org tel: 0171 591 3073 fax: 0171 591 3031

<http://www.whitley-award.org>

TO ADVERTISE IN THIS JOURNAL CONTACT:

Claire Collings

☎: + 44 (0) 1865 206108 ❖ Fax: + 44 (0) 1865 206189

Email: claire.collings@blacksci.co.uk

or access our web site for further information

<http://www.blackwell-science.com>

b

**Blackwell
Science**

Blackwell Science Ltd, Osney Mead, Oxford, OX2 0EL, UK

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 -----

Card No.

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 additional 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 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 of ----- Occupation -----
(signature of witness, who should not be your spouse)

Address -----

* The first payment must be received within 1 year from this date.

b

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.*

**Blackwell
Science**

Osney Mead,
Oxford OX2 0EL,
UK

Telephone
(01865) 206206

Fax
(01865) 206096

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.

Subscription Information

Mammal Review is published quarterly. Subscription rates for 1998 are £118.00 (Europe), £130.00 (Overseas) and US\$216.00 (North America).

Order Form

Please 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 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\$_____ Signature _____ Date _____

European Community VAT & Canadian 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 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

- Please send me a specimen copy of *Mammal Review*

Name _____

Address _____

Access the Blackwell Science Home Page on <http://www.blackwell-science.com>

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 is 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.

Contents

- 237 Editorial
• *Oryx* changes for 1999
- 238 News and Views
• Wildlife disease biology comes of age • Extinction by assumption; or, the Romeo Error on Cebu • Questioning new conservation approaches • Who will garrison the fortress? A reply to Spinage
- 249 Obituary
• Vladimir E. Sokolov: 1928–98
- 250 Briefly
- 265 Social change and conservation misrepresentation in Africa
Clive Spinage
- 277 Translocation and introduction of the Zanzibar red colobus monkey: success and failure with an endangered island endemic
Thomas T. Struhsaker and Kirstin S. Siex
- 285 Hornbill abundance in unlogged forest, selectively logged forest and a forest plantation in Arunachal Pradesh, India
Aparajita Datta
- 295 The black lion tamarin *Leontopithecus chrysopygus* – its conservation and management
Ana Carolina Mamede-Costa and Nivar Gobbi
- 301 Use and conservation of Cracidea (Aves: Galliformes) in the Peruvian Amazon
Alfredo J. Begazo and Richard E. Bodmer
- 310 Circumstantial evidence for the presence of monk seals in the West Indies
I. L. Boyd and M. P. Stanfield
- 317 Short communications
Ivory in Kathmandu
Esmond Bradley Martin
- 321 Acknowledgements
- 322 Index to Volume 32

Cover

Sumatran tiger *Panthera tigris sumatrensis*
Christer Fredriksson/Bruce Coleman Limited

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*.

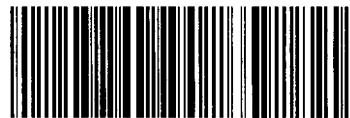
CODEN ORYXAM ISSN 0030-6053



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

b

Blackwell
Science



0030-6053(199810)32:4:1-8