

Books

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PRIMATE CONSERVATION INCORPORATED

Primate Conservation, Incorporated (PCI) is a nonprofit foundation founded to fund field research that supports conservation programs for wild populations of primates. Priority will be given to projects that study, in their natural habitat, the least known and most endangered species. The involvement of citizens from the country in which the primates are found will be a plus. The intent is to provide support for original research that can be used to formulate and to implement conservation plans for the species studied. PCI will grant seed monies or provide matching grants for graduate students, qualified conservationists, and primatologists to study rare and endangered primates and their conservation in their natural habitat. All appropriate projects will be considered, but the regions of current interest are Asia and West Africa. For more information and grant applications, go to <http://www.primate.org/grant_in.htm> or contact Ray Hamel at <hamel@primate.wisc.edu>.

PRIMATE SOCIETIES

PSGB CONSERVATION GRANTS

The Primate Society of Great Britain (PSGB) awards small grants in support of primate conservation and education. These grants are administered by the Conservation Working Party, which considers applications at its biannual meetings. The following notes give details of eligibility and application procedure and should be read carefully before preparing an application.

Proposals are invited for grants to assist: Research of benefit to primate conservation; short surveys to identify locations of value to primate conservation; projects involving conservation education relevant to primates.

Obligations of grantees are as follows: To present a report on the progress of the project within six months of commencement; to present a final report on completion of the project, to be used by PSGB at its discretion in publications or in any way thought to be of value to primate conservation; to acknowledge the support received from PSGB in any publication resulting from the project and to supply PSGB with two copies of each publication; to produce, where appropriate, slides and/or sound recordings for non-commercial use by PSGB or others in the promotion of primate conservation.

Eligibility: Grants will be awarded to members of PSGB or to citizens of primate range states who are sponsored by a member. Only those projects which are judged to have attainable goals that will benefit primate conservation or conservation education will be considered. Group training projects will not be considered for these grants. Awards are made on a competitive basis and the decision of the Conservation Working Party is final. In some cases applicants may be invited to submit an amended application.

Application and award details: Individual awards tend to be in the range of £250 to £500. Two closing dates apply: the last day of February and the last day of August. Applications must be made on the Application Form, or following the same format, and should be sent by post to reach the Convener on or before the relevant closing date. Applications by e-mail or fax will not normally be accepted.

Applications forms are available on the PSGB website <<http://www.psgb.org>> or can be obtained directly from: David A. Hill (Convener of the CWP), School of Biological Sciences, University of Sussex, Falmer, Brighton BN1 9QG, UK, Tel: +44 1273 606755 ext. 2755; Fax: +441273678433, e-mail: <d.a.hill@sussex.ac.uk>.

RECENT PUBLICATIONS

BOOKS

Key Topics in Landscape Ecology: Key Issues in Theory, Methodology, and Applications, edited by R. J. Hobbs and Jianguo Wu. 2007. Cambridge University Press. 400 pp. ISBN 0521850940. Landscape ecology is a relatively new area of study, which aims to understand the pattern of interaction of biological and cultural communities within a landscape. This book brings together leading figures from the field to provide an up-to-date survey of recent advances, identify key research problems and suggest a future direction for development and expansion of knowledge. Providing in-depth reviews of the principles and methods for understanding landscape patterns and changes, the book illustrates concepts with examples of innovative applications from different parts of the world. Forming a current 'state-of-the-science' for the science of landscape ecology, this book forms an essential reference for graduate students, academics, professionals and practitioners in ecology, environmental science, natural resource management, and landscape planning and design. *Contents:* 1. Perspectives and prospects on landscape ecology – R. Hoobbs and Jianguo Wu; 2. Adequate data of know accuracy are critical to advancing the field of landscape – L. R. Iverson; 3. Landscape pattern analysis: key issues and challenges – H- Li and J. Wu; 4. Spatial heterogeneity and ecosystem processes – M. G. Turner and J. A. Cardille; 5. Landscape heterogeneity and metapopulation dynamics – L. Fahrig; 6. Determining pat-

tern-process relationships in heterogeneous landscapes – R. H. Gardner, J. D. Forester and R. E. Plotnick; 7. Scale and scaling: a cross-disciplinary perspective – J. Wu; 8. Optimization of landscape pattern – J. Hof and C. Flather; 9. Advances in detecting landscape changes at multiple scales: examples of northern Australia – J. A. Ludwig; 10. The preoccupation of landscape research with land use and land cover – M. Antrop; 11. Applying landscape-ecological principles to regional conservation: the wild Country Project in Australia; 12. Using landscape ecology to make sense of Australia's last frontier – D. Bowman; 13. Transferring ecological knowledge to landscape planning: a design method for robust corridors – C. C. Vos, P. Opdam, E. G. Steingröver and R. Reijnen; 14. Integrative landscape research: facts and challenges – G. Fry, B. Tress and G. Tress; 15. Landscape ecology: the state of the science – J. Wu and R. Hobbs.

Primate Anti-Predator Strategies, edited by Sharon L. Gursky and K. A. I. Nekaris. 2007. Springer. 369pp. ISBN: 978-0387348070. Part of the Series: Developments in Primatology: Progress and Prospects. Since the 1960s, primatologists have recognized the impact of predation on the evolution of morphology, the social systems and cognitive behavior of monkeys and apes, but few studies considered its impact on the prosimians – lemurs, lorises, galagos and tarsiers. This comprehensive volume, written by experts in the field, narrows this gap by highlighting the effect of predation on the order Primates in general. Theoretical approaches to understanding how primates perceive predation threat, as well as proximate and ultimate causes to address threat and attack, are considered across the primate order. Although this volume concentrates on the least known group in this theoretical area – the prosimians – contributions by researchers on numerous primate taxa across four major geographical regions make this a novel and exciting contribution to students interested in primate evolution and ecology. *Contents*: 1. Predation and Primate cognitive evolution – K. Zuberbühler; 2. Predation on Primates: A biogeographical Analysis – D. Hart; 3. Primates and other prey in the seasonally variable diet of *Cryptoprocta ferox* in the dry forest of western Madagascar – L. Dollar, J. U. Ganzhorn and S. M. Goodman; 4. Predation on Lemurs in the rainforest of Madagascar by multiple predator species: Observations and experiments – S. M. Karpanty and P. C. Wright; 5. Predation, communication and cognition in Lemurs – M. Scheumann, A. Rabesandratana and E. Zimmermann; 6. A consideration of leaping locomotion as a means of predator avoidance in Prosimian Primates – R. H. Crompton and W. I. Sellers; 7. Anti-predator strategies of Cathemeral Primates: Dealing with predators of the day and night – I. C. Colquhoun; 8. Moonlight and behavior in nocturnal and cathemeral Primates, especially *Lepilemur leucopus*: Illuminating possible anti-predator efforts – L. T. Nash; 9. A comparison of calling patterns in two nocturnal primates, *Otolemur crassicaudatus* and *Galago moholi* as a guide to predation risk – S. K. Breder; 10. Predator defense by Slender Lorises and Pottos – K. A. I. Nekaris, E. R. Pimley and

K. M. Ablard; 11. The response of spectral tarsiers toward avian and terrestrial predators – S. L. Gursky; 12. Talking defensively, a dual use for brachial and exudate of slow and pygmy Lorises – L. R. Hagey, B. G. Fry and H. Fitch-Snyder; 13. Anti-predator strategies in diurnal Prosimian, the ring-tailed lemur (*Lemur catta*), at the Beza Mahafaly Special Reserve, Madagascar – L. Gould and M. L. Sauther; 14. Howler monkeys and harpy eagles: A communication arms race – R. Gil-da-Costa; 15. Effects of habitat structure on perceived risk of predation and anti-predator behavior of vervet (*Ceropithecus aethiops*) and patas (*Erythrocebus patas*) monkeys – K. L. Enstam; 16. Predation risk and habitat use in Chacma Baboons (*Papio hamadryas ursinus*) – R. A. Hill and T. Weingrill; 17. Reconstructing hominin interactions with mammalian carnivores – A. Treves and P. Palmqvist.

Ecological Census Techniques, edited by W. J. Sutherland. 2006. Cambridge University Press. 448 pp. ISBN: 978-0521606363. This is an updated version of the best selling first edition, *Ecological Census Techniques*, with updating, some new chapters and authors. Almost all ecological and conservation work involves carrying out a census or survey. This practically focussed book describes how to plan a census, the practical details and shows with worked examples how to analyse the results. The first three chapters describe planning, sampling and the basic theory necessary for carrying out a census. In the subsequent chapters international experts describe the appropriate methods for counting plants, insects, fish, amphibians, reptiles, mammals and birds. As many censuses also relate the results to environmental variability, there is a chapter explaining the main methods. Finally, there is a list of the most common mistakes encountered when carrying out a census. *Contents*: 1. Planning a research programme – W. J. Sutherland; 2. Principles of sampling – J. J. D. Greenwood and R. A. Robinson; 3. General census methods – J. J. D. Greenwood and R. A. Robinson; 4. Plants – J. M. Bullock; 5. Invertebrates – M. Ausden and M. Drake; 6. Fish – I. M. Côté and M. R. Perrow; 7. Amphibians – T. R. Halliday; 8. Reptiles – S. Blomberg and R. Shine; 9. Birds – D. W. Gibbons and R. D. Gregory; 10. Mammals – C. Krebs; 11. Environmental variables – J. C. Jones, J. D. Reynolds and D. Raffaelli; 12. The twenty commonest censusing sins – W. J. Sutherland.

Primates in Perspective, edited by C. J. Campbell, A. Fuentes, K. C. MacKinnon, M. Panger and S. K. Bearder. 2006. Oxford University Press. 736 pp. ISBN: 9780195171334. It is the first edited volume to offer a comprehensive overview of primatology since 1987. Forty-four original essays—by fifty-nine leading researchers in the field today—provide wide-ranging and contemporary coverage of all of the major areas of primatology. Arranged in six sections, the text begins with an introduction to primatology and a review of the natural history of the major taxonomic groups within the order Primates. It goes on to cover methodologies and research design for both field and captive settings; primate reproduction; primate ecology and conservation and their roles in the daily lives of primates; and such aspects of social

behavior and intelligence as communication, learning, and cognition. The volume ends with a concluding chapter by the editors that discusses the future of primatological research. Ideal for introductory primatology courses, *Primates in Perspective* can also be used in upper-division behavior and conservation courses. Additionally, it is an invaluable reference tool for primate researchers.

Mamíferos del Ecuador – Guía de Campo, por Diego Tirira. Ediciones Murciélagos Blanco. 576pp. ISBN: 9978-44-651-6. La más completa obra sobre la fauna de mamíferos del Ecuador que se haya publicado hasta el presente, con más de 380 especies descritas. Para cada especie se incluye información sobre: Identificación (Principales medidas morfológicas, Descripción de características externas y patrones de coloración), Historia Natural (Ecología, patrones de actividad, sociabilidad, hábitos alimenticios, refugios, áreas de vida, territorios, locomoción, estrato utilizado y reproducción, Etología), Sonidos, Distribución y Habitat (región, rango altitudinal, tipos de bosques, más de 350 mapas de distribución), Situación Actual (Categorías de amenaza y protección según el Libro Rojo de los mamíferos del Ecuador, UICN y CITES, principales amenazas y perspectivas de sobrevivencia de la especie, Áreas protegidas). Además, claves de identificación, guía de huellas, comentarios taxonómicos, referencias bibliográficas seleccionadas y anexos. Para mayor información visitar: <<http://www.murcielagoblanco.com/mamiferosdeecuador/publicaciones.htm#negro>>.

Managing Protected Areas: A Global Guide. Edited by Michael Lockwood, Graeme Worboys and Ashish Kothari, 2006. Published with IUCN. 800PP. ISBN: 9781844073030. *Managing Protected Areas* is an authoritative handbook, produced by IUCN that spans the full terrain of protected area management and is the international benchmark for all professionals, students and academics worldwide. The book employs dozens of detailed international case studies, hundreds of concise topical snapshots, maps, tables, illustrations and a colour plate section, as well as evaluation tools, checklists and numerous appendices to cover all aspects of park management from biodiversity to natural heritage to financial management. The book establishes a conceptual underpinning for protected area management, presents guiding principles for the 21st century, reflects recent work on international best practice and provides an assessment of skills required by professionals. The publication is relevant to the full range of management systems worldwide, balancing more traditional, developed country approaches with developing country systems including participatory, integrated, multi-sectoral and value-driven approaches. *Contents*: Introduction, *Part I: Setting the Context*, Natural Heritage, Social Context, Global Protected Area Framework, Values and Benefits, Threats to Protected Areas, Governance, Process of Management, Building Capacity, *Part II: Principles and Practice*, Establishing Protected Areas, Obtaining, Managing and Communicating Information, Management Planning, Finance and Economics, Administration, Sustainability Practice and Sus-

tainable Use, Operations Management, Natural Heritage Management, Cultural Heritage Management, Managing Threats, Incident Management, Tourism and Recreation, Collaborative Management, Community Conserved Protected Areas, Linking the Landscape, Marine Protected Areas, Evaluating Management Effectiveness, Building Support, Futures and Visions.

The Conservation Project Manual. Edited by Colin Bibby and Claire Alder, 2003. BP Conservation Programme, Cambridge UK. ISBN: 1901930394. The basic aim of this book is to help people to improve the process by which they go about planning and managing small to medium-sized conservation projects. By using a number of tried and tested methods and illustrative examples, the manual will enable users to work through their own concepts and create a project plan. The manual is founded on the belief that a good plan makes the fundraising and subsequent implementation and management of a project easier and success more likely. The book is divided in seven sections: *Section 1* Why Plan?, *Section 2* Knowing where to fit in, *Section 3* Planning a Project, *Section 4* Fundraising principles, *Section 5* Project Implementation, *Section 6* Monitoring and Evaluation, and *Section 7* Sources for Further Information. This book is available in the web at <<http://conservation.bp.com/advice/project.asp>>.

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- ## ABSTRACTS
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MEETINGS

2007

25th Annual Conference of the Australasian Primate Society. March 9–11, Queensland, Australia, University of Queensland St. Lucia Brisbane. For more information consult the web site: <<http://www.primates.on.net/apsconf.htm>>.

The Mind of the Chimpanzee. March 22–25, The Lincoln Park Zoo, Chicago, Illinois. In the tradition of the “Understanding Chimpanzees” conferences, which started 20 years ago, “The Mind of the Chimpanzee” conference will bring together the top experts in the fields of chimpanzee cognition and conservation as well as the “next generation” of chimpanzee researchers in order share new research findings, generate new collaborative research partnerships and examine how studying chimpanzee cognition impacts chimpanzee conservation. The Lester E. Fisher Center for the Study and Conservation of Apes is proud to host this historic event organized by Dr. Elizabeth Lonsdorf and Steve Ross. For more information contact <chimp-mind@lpzoo.org>, or visit the web site: <<http://www.chimpmindconference.org/>>.

Annual IACUC Conference. March 26–27, Town and Country Resort, 500 Hotel Circle, San Diego, CA. The Public Responsibility in Medicine and Research will hold the annual IACUC conference. This event will include a range of keynote addresses, panels, workshops, and didactic sessions, all of which are designed to help build, and then strengthen, an effective animal care and use program. For more information visit: <http://www.primr.org/education/2007_IACUC/overview_IACUC07.html>.

The Annual Meeting of the American Association of Physical Anthropologists. March 27–April 1, Philadelphia, PA. For program information contact Program Chair Dennis H. O'Rourke at <orourke@anthro.utah.edu>, or visit the web site: <<http://www.physanth.org/annmeet/>>.

Workshop & Symposium on Laboratory Animal Diseases. 18–21 April. Chicago, Illinois. The Midwest Division of The Charles Louis Davis, D.V.M. Foundation in Co-sponsorship with The Biologic Resources Laboratory

(BRL) of The University of Illinois at Chicago will present a Workshop and Symposium on Laboratory Animal Diseases. The Workshop will begin Wednesday the 18th of April, continuing through Friday the 20th of April. The Symposium will be held on Saturday April 21st. For more information contact James E. Artwohl at <jeart@uic.edu> or visit the web site: <<http://www.afip.org/CLDavis/CLDavis.meetings.htm#2007labdisease>>.

Callitrichid Workshop 2007. May 12–13, Providence, Rhode Island. The 6th annual Callitrichid Husbandry Workshop will be a free workshop focusing on the education and development of callitrichid keepers and managers in zoos and aquariums. Some of the topics to be covered are: Biology and Husbandry, Veterinary care, In Situ conservation. For more information consult the web page: <<http://www.rwpzoo.org/calendar/callitrichid.cfm>>.

87th Meeting of the American Society of Mammalogists. June 6–10, Museum of the Southwestern Biology, Albuquerque, New Mexico. Some of the topics of the meeting are Biogeography, Conservation, Population Ecology and Genetics among others. For more information and registration go to the web site: <<http://asm007.unm.edu/index.html>>.

10th FELASA Symposium and the XIV ICLAS General Assembly & Conference. June 11–14. The FELASA-ICLAS Joint Meeting 2007, hosted by AISAL, Associazione Italiana per le Scienze degli Animali da Laboratorio, will take place in Northern Italy, on the shores of Lake Como. The international meeting will include the 10th FELASA Symposium and the XIV ICLAS General Assembly & Conference, and will provide a comprehensive overview of the most recent developments in the field of laboratory animal sciences and technologies. For more information go to <<http://www.felasa-iclas2007.com/information.htm>>, or contact Stefania Sella at <info@felasa-iclas2007.com>.

Training Workshop on Ethical Considerations and Biomedical Use of Non Human Primates for Research in Tropical Diseases. June 18–27, Karen, Nairobi, Kenya. Non human primates will continue to play a pivotal role as models of human diseases including tropical infections. However the use of these animals needs to be carefully applied so that proper consideration of ethical and welfare issues is incorporated in all aspects of research involving non-human primates (NHP). This workshop, supported by TDR and the Institute of Primate Research, National Museums of Kenya with coordinated assistance from SSI coordinators, is a ten-day training course with lectures, hands-on laboratory sessions and demonstrations. Emphasis will be placed on biomedical techniques used in primates in addressing TDR diseases, including the ethical and welfare aspects of using NHP in research. Details of the contents and tentative schedule can be viewed at <<http://www.ssi-tdr.net/cbag/ipr-nmk/schedule.html>> Application deadline in 14th April 2007. For more in-