

Recent Publications

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& Morales-Jimenez AL; 15. Demography, life histories and population dynamics – Montenegro OL; 16. Determining conservation status and contributing to conservation action – Blair MA, Bynum N, Sterling E; 17. Captive breeding and ex-situ conservation – Gibson D & McCann C; 18. Primates in trade – Linder J, Sawyer S & Brashares J; 19. Conclusion – Serling E, Bynum N, Blair ME.

Primate sexuality: comparative studies of the prosimians, monkeys, apes, and humans, by Alan F. Dixon. 2013. Oxford University Press. 808pp. ISBN: 978-0199676613. This book provides an authoritative and comprehensive synthesis of current research on the evolution and physiological control of sexual behaviour in the primates - prosimians, monkeys, apes, and human beings. This new edition has been fully updated and greatly expanded throughout to incorporate a decade of new research findings. It maintains the depth and scientific rigour of the first edition, and includes a new chapter on human sexuality, written from a comparative perspective.

Primates in fragments: complexity and resilience, edited by Laura K. Marsh & Colin Chapman. 2013. Springer. 500pp. ISBN: 978-1461488385. In this new volume we continue to address issues regarding primates within a fractured landscape. The book is divided in seven sections. In the Introductory section, authors discuss the issues surrounding primates in remnant habitats as well as encourage discussion about what we mean by fragmentation on a landscape scale. In the Long-Term and Regional Studies section, authors present information on changes that have occurred during longer studies as well as changes that have occurred over regions. In the Landscape, Metapopulations and the Matrix section, authors cover topics from dry to moist forests, and from metapopulations to single species use of multiple fragments locations. In Feeding and Behavioral Ecology, authors take a closer look at the flexibility and responsiveness of primates in fragments in terms of their food choices, resource use, and behavioral changes. In Endemic, Endangered, and Nocturnal Primates authors uncover details involving critical primates living in major city centers to the heights of the Himalayas. In Genetics, Disease and Parasites authors cover topics including population viability, disease and parasite transmission between primates in fragments and humans. Finally, in the Conservation and Ecology: Threats and Management section, we synthesize information in this volume and make recommendations for the future of work in this field and the survivability of primates in fragments.

Lessons from other mammals

Review of: *Bones, Clones, and Biomes. The History and Geography of Recent Neotropical Mammals*, edited by Bruce D. Patterson and Leonora P. Costa, 2012. Chicago: University of Chicago Press. ISBN-13: 978-0-226-64919-1 (cloth). Price: US-\$ 65.00, £ 42.00

RECENT PUBLICATIONS

BOOKS

Primate ecology and conservation (Tecs): a handbook of techniques, edited by Eleanor Sterling, Nora Bynum and Mary Blair. 2013. Oxford University Press. 448pp. ISBN: 978-0199659449. This practical volume synthesizes field, laboratory, and conservation management techniques for primate ecology and conservation. This book's particular focus is on innovative ways to study primates in a changing world, including emerging methods such as non-invasive genetic techniques and advanced spatial modeling. *Contents:* 1. Introduction – Sterling E, Bynum N & Blair M; 2. Primate census and survey techniques – Plumtpe AJ, Sterling E & Buckland S; 3. Darting, anesthesia and handling – Glander K; 4. Health assessment and epidemiology – Muehlenbein MP & Lewis CM; 5. Behavior within groups – Kaplin BA & Willian A; 6. Habitat assessment and species niche modeling – Rode J, Stengel CJ & Nekaris AI; 7. Characterization of primate environments through assessment of plant phenology – Marshall AJ & Wich S; 8. Methods in ethnoprimateology – Riley EP & Ellwanger AL; 9. Social and spatial relationships between primate groups – Brown M & Crofoot M; 10. Experiments in primatology – Janson C & Brosnan SF; 11. Diet and nutrition – Rothman JM, Vogel ER & Blumenthal SA; 12. Physiology and energetic – Schmid J; 13. Primate behavioral endocrinology – Nguyen N; 14. Population genetics, molecular phylogenetics and phylogeography – Blair ME

Readers of this journal are familiar with the fact that New World primates are the most diverse radiation within the primate order. Similarly, the Neotropical mammalian fauna in general is extremely rich and diverse, accounting for almost one third of all mammalian species living on earth. Exploring the reasons for this diversity in terms of processes that date far back into the geological past (Mesozoic, Paleogene) or took place in the more recent geological periods (Neogene) is the central theme of this book.

Apart from a general introduction to the history and geography of Neotropical mammals by the editors, the book is divided into two large parts. Part 1, containing six chapters, deals mainly with the "older times", i.e. the origin and evolutionary history of Neotropical mammals, while the nine chapters of Part 2 focus primarily on determinants of the diversity and composition of more extant mammal assemblages in different regions of the Neotropics.

Primates do not figure prominently in this book, but this is definitely not a taint. Rather, I think that Neotropical primatologists can learn different lessons from this book. One is the understanding of the larger setting into which the ancestors of New World primates arrived after having somehow crossed the Atlantic Ocean. Another one is the range of hypotheses that are deployed in this book to explain the current diversity and patterns of Neotropical mammal distribution. I found of particular interest chapters dealing with speciation patterns in Amazonia (chapter 12), the role of fragmentation for the diversity in Atlantic forests (chapter 13), and the role of the Andes for diversity and distribution. E.g., obvious links between sub Andean/western Amazonian and Atlantic forest mammals made me think about how Amazonian and Atlantic forest primates are interrelated and how they became separated from each other. While this question has already been addressed quite some time ago (e.g. Kinzey 1982), the issue is far from resolved. Furthermore, using the combination of different biogeographic hypotheses for analyzing the distribution of New World primates will likely provide a much better understanding than focusing only on refuges (e.g. Kinzey 1982) or riverine barriers (e.g. Peres et al. 1996).

The main title of the book ("Bones, Clones, and Biomes") nicely reflects the variety of approaches and perspectives taken by the different chapter authors that range from "classical" paleontology ("bones") through molecular methods ("clones") to biogeographic analyses of regional assemblages ("biomes"). The overall quality of this book is high, although there is some variation between chapters. The writing style is generally accessible, even in relatively specialized chapters. Overall, I can recommend this book for everyone who wants to look beyond the primatological horizon and learn about historical and recent diversity and biogeography of Neotropical mammals.

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ABSTRACTS

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