

774
J80/mam

Journal of Mammalogy

Volume 94 Number 1 February 2013



www.mammalogy.org

American Society of Mammalogists

Leading the science of mammalogy
since 1919

Journal of Mammalogy

An Official Publication of the
American Society of Mammalogists



Volume 94, Number 1

15 February 2013

CONTENTS

FEATURE ARTICLES

Foraging ecology and coexistence of Asiatic black bears and sun bears in a seasonal tropical forest in Southeast Asia— <i>Robert Steinmetz, David L. Garshelis, Wanlop Chutipong, and Naret Seuaturien</i>	1
Influence of group sizes and food resources in home-range sizes of capybaras from Argentina— <i>María J. Corriale, Emiliano Muschetto, and Emilio A. Herrera</i>	19
Ecological release: swimming and diving behavior of an allopatric population of the Mediterranean water shrew— <i>Joaquim T. Tapisso, Maria G. Ramalinho, Maria L. Mathias, and Leszek Rychlik</i>	29
Social dynamics and dispersal in free-living prairie voles (<i>Microtus ochrogaster</i>)— <i>Betty McGuire, Lowell L. Getz, William E. Bemis, and Madan K. Oli</i>	40
Nest-site characteristics of the montane endemic Mearns's squirrel (<i>Tamiasciurus mearnsi</i>): an obligate cavity- nester?— <i>Nicolás Ramos-Lara, John L. Koprowski, and Don E. Swann</i>	50
Do nocturnal rodents in the Great Basin Desert avoid moonlight?— <i>Nathan S. Upham and John C. Hafner</i>	59
Density estimations of the Eurasian lynx (<i>Lynx lynx</i>) in the Swiss Alps— <i>Elias Pesenti and Fridolin Zimmermann</i>	73
Density and habitat use of the leopard cat (<i>Prionailurus bengalensis</i>) in three commercial forest reserves in Sabah, Malaysian Borneo— <i>Azlan Mohamed, Rahel Sollmann, Henry Bernard, Laurentius N. Ambu, Peter Lagan, Sam Mannan, Heribert Hofer, and Andreas Wilting</i>	82
Ejaculate quality in spotted hyenas: intraspecific variation in relation to life-history traits— <i>Leslie J. Curren, Mary L. Weldele, and Kay E. Holekamp</i>	90
Reproduction, recruitment, and dispersal of fishers (<i>Martes pennanti</i>) in a managed Douglas-fir forest in California— <i>Sean M. Matthews, J. Mark Higley, Kerry M. Rennie, Rebecca E. Green, Charles A. Goddard, Greta M. Wengert, Mourad W. Gabriel, and Todd K. Fuller</i>	100
Spatiotemporal behavioral plasticity of wild boar (<i>Sus scrofa</i>) under contrasting conditions of human pressure: primeval forest and metropolitan area— <i>Tomasz Podgórski, Grzegorz Baś, Bogumiła Jędrzejewska, Leif Sönnichsen, Stanisław Śnieżko, Włodzimierz Jędrzejewski, and Henryk Okarma</i>	109

JOURNAL OF MAMMALOGY (ISSN 0022-2372) is an official publication of the American Society of Mammalogists and is published 6 times per year in February, April, June, August, October, and December. Publishing services are provided by Allen Press Publishing Services, 810 East 10th Street, Lawrence, KS 66044. Member subscription prices for 2013 are \$75.00 for members and \$55.00 for students for print and online access for *Journal of Mammalogy* and online access only for *Mammalian Species*; rates for online access only to both publications are \$55.00, \$20.00 for members in developing countries. Institutional subscriptions in 2013 are \$312.00 for U.S. print and online access to the *Journal*, \$111.00 for online-only access to *Mammalian Species*, or \$461.00 outside the United States for both publications. Subscriptions, changes of address, and requests for missing issues should be sent to *Journal of Mammalogy*, Allen Press Association Management Services, 810 East 10th Street, P.O. Box 1897, Lawrence, KS 66044-8897; 785-843-1234; FAX 785-843-1274; asm@allenpress.com. A "claim" is hereby defined as a request by a subscriber of a publication due to damage, faulty copy or non-receipt. All claims must be submitted via mail, fax or email. All claim requests must be received within two months of the journal mail date for United States addresses and four months for non-United States addresses. If claim is approved, replacement issue(s) will only be provided once. After initial replacement, the issue must be purchased. The maximum that can be claimed per subscription term is 2. Specific membership concerns should be sent to the Secretary-Treasurer, at ron.van_den_bussche@okstate.edu. Periodicals postage paid at Lawrence, KS. POSTMASTER: Send address changes to *Journal of Mammalogy*, Allen Press Association Management Services, 810 East 10th Street, P.O. Box 1897, Lawrence, KS 66044-8897.

© 2013 American Society of Mammalogists
THIS PUBLICATION IS PRINTED ON ACID-FREE PAPER

Conspecific body weight, food intake, and rumination time affect food processing and forage behavior— <i>Floyd W. Weckerly</i>	120
Factors affecting survival and cause-specific mortality of saiga calves in Mongolia— <i>Bayarbaatar Buuveibaatar, Julie K. Young, Joel Berger, Amanda E. Fine, Badamjav Lkhagvasuren, Peter Zahler, and Todd K. Fuller</i> ..	127
White-lipped peccary home range size in a protected area and farmland in the central Brazilian grasslands— <i>Anah Tereza de Almeida Jácomo, Mariana Malzoni Furtado, Cyntia Kayo Kashivakura, Jader Marinho-Filho, Rahel Sollmann, Natália Mundim Tôrres, and Leandro Silveira</i>	137
Milk composition in a hibernating rodent, the Columbian ground squirrel (<i>Urocyon columbianus</i>)— <i>Amy L. Skibiell and Wendy R. Hood</i>	146
Differential investment in twin offspring by female pronghorns (<i>Antilocapra americana</i>)— <i>Dirk H. Van Vuren, Martin P. Bray, and Jeannie M. Heltzel</i>	155
Life-history strategies of North American elk: trade-offs associated with reproduction and survival— <i>Sabrina Morano, Kelley M. Stewart, James S. Sedinger, Christopher A. Nicolai, and Martin Vavra</i>	162
Climate effects on demographic parameters in an un hunted population of Alpine chamois (<i>Rupicapra rupicapra</i>)— <i>Christian S. Willisch, Katrin Bieri, Mark Struch, Ruth Franceschina, Reinhard Schnidrig-Petrig, and Paul Ingold</i>	173
Using hand proportions to test taxonomic boundaries within the <i>Tupaia glis</i> species complex (Scandentia, Tupaiidae)— <i>Eric J. Sargis, Neal Woodman, Aspen T. Reese, and Link E. Olson</i>	183
Phylogeography of the garden dormouse <i>Eliomys quercinus</i> in the western Palearctic region— <i>Grégoire C. L. Perez, Roland Libois, and Caroline M. Nieberding</i>	202
Gene flow in mongooses endemic to Namibia's granite inselbergs despite past climatic fluctuations and isolating landscape features— <i>Sara A. Rapson, Anne W. Goldizen, and Jennifer M. Seddon</i>	218
Enlarging the rodent diversity in west-central Argentina: A new species of the genus <i>Holochilus</i> (Cricetidae, Sigmodontinae)— <i>Ulyses F. J. Pardiñas, Pablo Teta, Damián Voglino, and Fernando J. Fernández</i>	231

BOOK REVIEWS

Ecological Niches and Geographic Distributions by A. T. Peterson, J. Soberón, R. G. Pearson, R. P. Anderson, E. Martínez-Meyer, M. Nakamura, and M. B. Araújo— <i>Eric Waltari</i>	241
Polar Bears: A Complete Guide to Their Biology and Behavior by A. E. Derocher and W. Lynch— <i>William L. Gannon</i>	243
Ungulate Taxonomy by C. Groves and P. Grubb— <i>Roger D. Applegate</i>	245

BOOKS RECEIVED	247
----------------------	-----

DEATHS REPORTED	247
-----------------------	-----

NINETY-THIRD ANNUAL MEETING, PHILADELPHIA, PENNSYLVANIA	248
---	-----

STUDENT PROGRAMS	250
------------------------	-----

COMMENTS AND NEWS	252
-------------------------	-----

INFORMATION FOR CONTRIBUTORS	255
------------------------------------	-----

Front Cover—The cover image depicts *Tupaia ferruginea* Raffles, 1821, the type species of the taxonomically vexatious genus *Tupaia* Raffles, 1821. *Tupaia ferruginea* was subsequently synonymized with *T. glis* (Diard, 1820) by Lyon in 1913 in the 1st—and only—comprehensive taxonomic review of treeshrews. In this issue on pages 183–201, Sargis et al. (2013) present morphological evidence from digit proportions supporting the resurrection of *T. ferruginea* and 2 other treeshrew species from Sundaland, one of the world's foremost biodiversity hotspots. The timing of this work, exactly a century after *T. ferruginea* was subsumed, speaks to the exciting new era in which we find ourselves with respect to re-assessing species limits and the conservation implications of such taxonomic revisions. Original image by Wilhelm Eigener (1957) used with permission of Cramers Gallery of Nature (www.cramers-gallery.com).

