

New Titles

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requires genetic analysis of the focal species and all potential ancestors. Without the capacity to conduct such analyses for most fossil fauna, I would expect a more cautionary or measured interpretation of speciation models and mechanisms to be applied to the examples in the book.

In addition, the discussions of evolutionary processes in well-studied extant systems are overly simplified. I also found that the last two chapters introduce confusion between the geographical mode of speciation (allopatric or sympatric) and micro-evolutionary mechanisms (e.g., drift and selection). The book ends abruptly without a concluding section; such a section could have identified current, exciting avenues of research in extinct island mammal fauna or might have summarized the present gaps in our scientific knowledge of the subject, in order to steer the direction of future research.

Despite these shortcomings, *Evolution of Island Mammals* provides a rich source of detailed information for graduate students and researchers studying either extinct or extant island species. It is generously illustrated and nicely presented. Island biota will continue to provide a fascinating arena for the study of evolution, and this book highlights the value of taking a broader view than the brief snapshot in time provided by contemporary insular biota alone.

SONYA CLEGG

Sonya Clegg (s.clegg@griffith.edu.au) is an assistant professor with the Environmental Futures Centre and the Griffith School of Environment at Griffith University in Queensland, Australia.

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Behavior of North American Mammals. Mark Elbroch and Kurt Rinehart. Houghton Mifflin Harcourt, 2011. 384 pp., illus. \$35.00 (ISBN 9780618883455 cloth).

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Evolution in a Toxic World: How Life Responds to Chemical Threats. Emily Monosson. Island Press, 2012. 232 pp., illus. \$35.00 (ISBN 9781597269766 cloth).

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The Hudson Primer: The Ecology of an Iconic River. David L. Strayer. University of California Press, 2012. 224 pp., illus. \$24.95 (ISBN 9780520269613 paper).

Knowing Nature: Art and Science in Philadelphia, 1740–1840. Amy R. W. Meyers, ed. Yale University Press, 2012. 432 pp., illus. \$65.00 (ISBN 9780300111040 cloth).

The Life of Super-Earths: How the Hunt for Alien Worlds and Artificial Cells Will Revolutionize Life on Our Planet. Dimitar Sasselov. Basic Books, 2012. 224 pp., illus. \$25.99 (ISBN 9780465021932 cloth).

Management of Freshwater Biodiversity: Crayfish as Bioindicators. Julian Reynolds and Catherine Souty-Grosset. Cambridge University Press, 2011. 388 pp., illus. \$110.00 (ISBN 9780521514002 cloth).

Molecular Machines in Biology: Workshop of the Cell. Joachim Frank, ed. Cambridge University Press, 2011. 272 pp., illus. \$125.00 (ISBN 9780521194280 cloth).

Molecular Panbiogeography of the Tropics. Michael Heads. University

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of California Press, 2012. 576 pp., illus. \$75.00 (ISBN 9780520271968 cloth).

Petrels, Albatrosses, and Storm-Petrels of North America: A Photographic Guide. Steve N. G. Howell. Princeton University Press, 2012. 520 pp., illus. \$45.00 (ISBN 9780691142111 cloth).

Saving a Million Species: Extinction Risk from Climate Change. Lee Hannah, ed. Island Press, 2012. 432 pp., illus. \$70.00 (ISBN 9781597265690 cloth).

Secret Lives of Ants. Jae Choe. Johns Hopkins University Press, 2012. 184 pp., illus. \$34.95 (ISBN 9781421404288 cloth).


Seeds of Sustainability: Lessons from the Birthplace of the Green Revolution in Agriculture. Pamela A. Matson, ed. Island Press, 2012. 302 pp., illus. \$45.00 (ISBN 9781597265256 paper).

Simplexity: Simplifying Principles for a Complex World. Alain Berthoz, trans. Giselle Weiss. Yale University Press, 2011. 288 pp.,

illus. \$38.00 (ISBN 9780300169348 cloth).

Socio-Economic Research Methods in Forest Management. John Herbohn, Steve Harrison, Josh McDaniel, John Bliss, Jungho Suh, Lawrence D. Teeter, and Jerry Vanclay. CABI, 2012. 450 pp., illus. \$180.00 (ISBN 9781845935269 cloth).

Trees of Life: A Visual History of Evolution. Theodore W. Pietsch. Johns Hopkins University Press, 2012. 384 pp., illus. \$69.95 (ISBN 9781421404790 cloth).



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