



## New Titles

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teeth (*hypsodonty*) or the possible multiple origins of vertebrate teeth. He does not evaluate or offer opinion on topics and ideas, although I would have liked to have seen either. In the field of dental morphology, *Mammal Teeth* is a great contrast to a book like *Dental Functional Morphology* (Lucas 2004), which is more of a personal view of the topic. Yet this book offers significant advantages over previous titles—namely, that it includes illustrations of over 140 mammals. Other books are limited to Northern Hemisphere taxa, or they are not comprehensive in all family-level groups.

Another advantage to *Mammal Teeth* is its consistency of style with regard to the figures of skulls and teeth used throughout the book, which greatly aids any comparative study. Skulls are shown as outlines displaying sutures and foramina, and teeth are shaded gray. This design, however, can at times make the positions of skull openings difficult to discern. The drawings of tooth rows follow the common convention for occlusal diagrams of teeth, with cusps indicated as dots, crests as lines, and valleys as dashed lines. This strict scheme can leave some figures tricky to interpret, such as that for *Thylacoleo* (figure 9.3A). I would also favor having tooth positions or series identified on the figure, along with some indication of scale. In general, although the figures are clear, I feel that they often do not convey the beauty and subtlety of the morphology they are representing. A few detailed line drawings are included (such as of marsupial teeth), but additional line drawings or high-quality photographs would have added greatly to the book and possibly increased an appreciation in the reader for the intricacies of dental morphology.

*Mammal Teeth* is an outstanding and valuable resource for the novice or student starting out in the field, and it can also be used successfully as a reference for professional biologists or odontologists. I will certainly recommend it for my own students working in dental morphology and perhaps for

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those colleagues who see teeth as just a bunch of old bones.

ALISTAIR EVANS

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## NEW TITLES

**Agent-based and Individual-based Modeling: A Practical Introduction.** Steven F. Railsback and Volker Grimm. Princeton University Press, 2011. 352 pp., illus. \$55.00 (ISBN 9780691136745 paper).

**Banana Breeding: Progress and Challenges.** Michael Pillay and Abdou Tenkouano, eds. Taylor and Francis, 2011. 383 pp., illus. \$139.95 (ISBN 9781439800171 cloth).

**Darwin's Conjecture: The Search for General Principles of Social and Economic Evolution.** Geoffrey M. Hodgson and Thorbjørn Knudsen. University of Chicago Press, 2011. 304 pp., illus. \$45.00 (ISBN 9780226346908 cloth).

**Ecodynamics: The Prigogine Legacy.** C. A. Brebbia. WIT Press, 2011. 368 pp., illus. \$284.40 (ISBN 9781845646547 cloth).

**Energy and the Wealth of Nations: Understanding the Biophysical Economy.** Charles A. S. Hall and Kent A. Klitgaard. Springer, 2011. 407 pp., illus. \$99.00 (ISBN 9781441993977 cloth).

**Evolution's Witness: How Eyes Evolved.** Ivan R. Schwab. Oxford University Press, 2011. 328 pp., illus. \$75.00 (ISBN 9780195369748 cloth).

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**The Folly of Fools: The Logic of Deceit and Self-Deception in Human Life.** Robert Trivers. Basic Books, 2011. 416 pp. \$28.00 (ISBN 9780465027552 cloth).

**Frozen Planet: A World Beyond Imagination.** Alastair Fothergill and Vanessa Berlowitz. Firefly Books, 2012. 312 pp., illus. \$39.95 (ISBN 9781554079919 cloth).

**Germ Cells.** Paolo Sassone-Corsi, Margaret T. Fuller, and Robert Braun, eds. Cold Spring Harbor Laboratory Press, 2011. 222 pp., illus. \$135.00 (ISBN 9781936113514 cloth).

**Human Dimensions of Ecological Restoration: Integrating Science, Nature, and Culture.** Dave Egan, Evan E. Hjerpe, and Jesse Abrams, eds. Island Press, 2011. 384 pp., illus. \$45.00 (ISBN 9781597266901 paper).

**Incomplete Nature: How Mind Emerged from Matter.** Terrence W.

Deacon. W. W. Norton, 2011. 624 pp., illus. \$29.95 (ISBN 9780393049916 cloth).

**Integrated Vector Management: Controlling Vectors of Malaria and Other Insect Vector Borne Diseases.** Graham Matthews. Wiley-Blackwell, 2012. 248 pp., illus. \$119.95 (ISBN 9780470659663 cloth).

**Peterson Reference Guide to Behavior of North American Mammals.** Mark Ellbroch and Kurt Rinehart. Houghton Mifflin Harcourt, 2011. 374 pp., illus. \$35.00 (ISBN 9780618883455 cloth).

**Pillars of Evolution: Fundamental Principles of the Eco-evolutionary Process.** Douglas W. Morris and Per Lundberg. Oxford University Press, 2011. 296 pp., illus. \$52.95 (ISBN 9780198568803 paper).

**Small Wild Cats: The Animal Answer Guide.** James G. Sanderson and Patrick Watson. Johns Hopkins University

Press, 2011. 184 pp., illus. \$24.95 (ISBN 9780801898853 paper).

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**Transgenic Horticultural Crops: Challenges and Opportunities.** Beiquan Mou and Ralph Scorza, eds. Taylor and Francis, 2011. 364 pp., illus. \$129.95 (ISBN 9781420093780 cloth).