

## New Titles

Source: BioScience, 61(7) : 571-572

Published By: American Institute of Biological Sciences

URL: <https://doi.org/10.1525/bio.2011.61.7.15>

---

BioOne Complete ([complete.BioOne.org](http://complete.BioOne.org)) is a full-text database of 200 subscribed and open-access titles in the biological, ecological, and environmental sciences published by nonprofit societies, associations, museums, institutions, and presses.

Your use of this PDF, the BioOne Complete website, and all posted and associated content indicates your acceptance of BioOne's Terms of Use, available at [www.bioone.org/terms-of-use](http://www.bioone.org/terms-of-use).

Usage of BioOne Complete content is strictly limited to personal, educational, and non - commercial use. Commercial inquiries or rights and permissions requests should be directed to the individual publisher as copyright holder.

---

BioOne sees sustainable scholarly publishing as an inherently collaborative enterprise connecting authors, nonprofit publishers, academic institutions, research libraries, and research funders in the common goal of maximizing access to critical research.

is often a result of poor geologic exposure rather than of a lack of work. Consequently, well-studied areas and time bins are better discussed, such as the Karoo Basin in South Africa and the Germanic Basin and the Late Triassic period sites in the western United States. Other locations, such as the Late Triassic sites in Great Britain and the eastern United States, also receive greater coverage because they are the areas in which the authors conduct research. The latter area is especially important, because fossil finds are correlable with a global standard for magnetostatigraphy and its associated astronomically tuned timescale.

Chapter nine provides a detailed look into two specific localities. The Madygen (Kyrgyzstan) and the Solite Quarry (Virginia) provide unique glimpses into Late Triassic time, because they preserve a variety of fossils of plants and animals; however, they are especially extraordinary for their preservation of soft body parts, including those of insects. The book closes with chapters on biotic changes through the Triassic and the end-Triassic extinction event, which was one of the “big five” extinction events in Earth history. This extinction saw the end of many archosaurian lineages—most notably, a majority of the pseudosuchians—and gave way for the subsequent rise of the dinosaurs over the next 180 million years. Sues and Fraser discuss the various extinction hypotheses, including climate change, mass volcanism, and even bolide impacts, but are not able to conclusively side with any of these causes.

*Triassic Life on Land* thoroughly examines the current state of understanding regarding terrestrial ecosystems of the Triassic period. Although it is focused on vertebrate remains, the book also includes many in-depth sections on the plants and insects of the time, making this an extremely well-rounded reference. Furthermore, the book details many prominent topics currently debated by researchers, including the timing of recovery from the end-Permian extinction, the early appearance and

## How to Contact AIBS

### BioScience

Advertising, print and online:  
[adsales@ucpressjournals.com](mailto:adsales@ucpressjournals.com)

Classified advertising:  
[jwilliams@aibs.org](mailto:jwilliams@aibs.org)  
202-628-1500

Online:  
[www.aibs.org/bioscienceonline](http://www.aibs.org/bioscienceonline)

Permissions:  
[www.ucpressjournals.com/reprintinfo.asp](http://www.ucpressjournals.com/reprintinfo.asp)

Publisher:  
[rogrady@aibs.org](mailto:rogrady@aibs.org)  
202-628-1500

Submission inquiries:  
[tbeardsley@aibs.org](mailto:tbeardsley@aibs.org)  
202-628-1500

Subscriptions: Individual  
[admin@aibs.org](mailto:admin@aibs.org)  
703-790-1745

Subscriptions: Institutional  
[customerservice@ucpressjournals.com](mailto:customerservice@ucpressjournals.com)  
510-643-7154

### AIBS

ActionBioscience.org:  
[tbeardsley@aibs.org](mailto:tbeardsley@aibs.org)

Education Office:  
[smusante@aibs.org](mailto:smusante@aibs.org)  
202-628-1500

Executive Director: [rogrady@aibs.org](mailto:rogrady@aibs.org)  
202-628-1500

Meetings and Conference Services:  
[sburk@aibs.org](mailto:sburk@aibs.org)  
703-790-1745

Membership Records: [admin@aibs.org](mailto:admin@aibs.org)  
703-790-1745

Membership and Community Programs: [spotter@aibs.org](mailto:spotter@aibs.org)  
202-628-1500

Public Policy Office: [rgropp@aibs.org](mailto:rgropp@aibs.org)  
202-628-1500

Scientific Peer-Review Services:  
[sglison@aibs.org](mailto:sglison@aibs.org)  
703-674-2500

Web/IT Services:  
[jwagener@aibs.org](mailto:jwagener@aibs.org)  
703-674-2500

evolution of the dinosaurs, and the mode and timing of the end-Triassic extinction. *Triassic Life on Land* is well written and well edited, with many excellent figures. The content is mostly up to date, containing references as recent as 2009. As with any book on a subject that is the focus of much current research, there is already some out-of-date material; however, the amount of this material is minimal. In summary, *Triassic Life on Land* is the best technical reference available on the Triassic period and brings us forward from the days of “thecodonts” and *Coelophysis*.

WILLIAM G. PARKER

*William G. Parker (william\_parker@nps.gov) is the paleontologist at Petrified Forest National Park in northeastern Arizona and the author of many papers on the Late Triassic of western North America.*

### References cited

- Colbert EH 1971. Tetrapods and continents. *The Quarterly Review of Biology* 46: 250–269.
- Fraser NC. 2006. Dawn of the Dinosaurs: Life in the Triassic. Indiana University Press.
- Lucas SG. 1998. Global Triassic tetrapod biostratigraphy and biochronology. *Paleogeography, Palaeoclimatology, Palaeoecology* 143: 347–384.
- Lucas SG. 2010. The Triassic timescale based on nonmarine tetrapod biostratigraphy and biochronology. Pages 447–500 in Lucas SG, ed. *The Triassic Timescale*. Geological Society, London, Special Publication 334.

### NEW TITLES

#### Among Giants: A Life with Whales.

Charles “Flip” Nicklin. University of Chicago Press, 2011. 192 pp., illus. \$40.00 (ISBN 9780226580999 cloth).

#### Animal Tool Behavior: The Use and Manufacture of Tools by Animals (rev.).

Robert W. Shumaker, Kristina R. Walkup, and Benjamin B. Beck. Johns Hopkins University Press, 2011. 304 pp., illus. \$65.00 (ISBN 9780801898532 cloth).

- Beyond the Brain: How Body and Environment Shape Animal and Human Minds.** Louise Barrett. Princeton University Press, 2011. 304 pp., illus. \$29.95 (ISBN 9780691126449 cloth).
- Biological Diversity: Exploiters and Exploited.** Paul Hatcher and Nick Battey. Wiley-Blackwell, 2011. 440 pp., illus. \$79.95 (ISBN 9780470778074 paper).
- Boas and Pythons of the World.** Mark O'Shea. Princeton University Press, 2011. 160 pp., illus. \$19.95 (ISBN 9780691150154 paper).
- The Eagle Watchers: Observing and Conserving Raptors around the World.** Ruth E. Tingay and Todd E. Katzner, eds. Cornell University Press, 2011. 256 pp., illus. \$29.95 (ISBN 9780801448737 cloth).
- The Economics of Ecosystems and Biodiversity in National and International Policy Making.** Patrick ten Brink, ed. Earthscan, 2011. 390 pp., illus. \$99.95 (ISBN 9781849712507 cloth).
- The Fall and Rise of the Wetlands of California's Great Central Valley.** Philip Garone. University of California Press, 2011. 448 pp., illus. \$39.95 (ISBN 9780520266636 cloth).
- The Great Sperm Whale: A Natural History of the Ocean's Most**
- Magnificent and Mysterious Creature.** Richard Ellis. University Press of Kansas, 2011. 432 pp., illus. \$34.95 (ISBN 9780700617722 cloth).
- Living Dinosaurs: The Evolutionary History of Modern Birds.** Gareth Dyke and Gary Kaiser, eds. Wiley-Blackwell, 2011. 438 pp., illus. \$129.95 (ISBN 9780470656662 cloth).
- Naked Genes: Reinventing the Human in the Molecular Age.** Helga Nowotny and Giuseppe Testa. MIT Press, 2011. 192 pp., illus. \$25.00 (ISBN 9780262014939 cloth).
- A Natural History of the Intermountain West: Its Ecological and Evolutionary Story.** Gwendolyn L. Waring. University of Utah Press, 2011. 240 pp., illus. \$29.95 (ISBN 9781607810285 paper).
- Plant Immunity: Methods and Protocols.** John M. McDowell, ed. Springer (Humana Press), 2011. 280 pp., illus. \$119.00 (ISBN 9781617379970 cloth).
- Saving Sea Turtles: Extraordinary Stories from the Battle against Extinction.** James R. Spotila. Johns Hopkins University Press, 2011. 240 pp., illus. \$24.95 (ISBN 9780801899072 cloth).
- Seasonally Dry Tropical Forests: Ecology and Conservation.** Rodolfo Dirzo, Hillary S. Young, Harold A. Mooney, and Gerardo Ceballos, eds. Island Press, 2011. 408 pp., illus. \$50.00 (ISBN 9781597267045 paper).
- Second Nature: The Inner Lives of Animals.** Jonathan Balcombe. Palgrave Macmillan, 2010. 256 pp., illus. \$17.00 (ISBN 9780230107816 paper).
- Tropical Ecology.** John Kricher. Princeton University Press, 2011. 640 pp., illus. \$85.00 (ISBN 9780691115139 cloth).
- Water Security: The Water-Food-Energy-Climate Nexus.** World Economic Forum Water Initiative. Island Press, 2011. 272 pp., illus. \$30.00 (ISBN 9781597267366 paper).
- Wiley-Blackwell Encyclopedia of Human Evolution (2 vols.).** Bernard Wood. Wiley-Blackwell, 2011. 1264 pp., illus. \$560.00 (ISBN: 9781405155106 cloth).
- Work Meets Life: Exploring the Integrative Study of Work in Living Systems.** Robert Levin, Simon Laughlin, Christina De La Rocha, and Alan Blackwell, eds. MIT Press, 2011. 265 pp., illus. \$30.00 (ISBN 9780262014120 cloth).

doi:10.1525/bio.2011.61.7.15