

Curriculum Vitae of Paul E. Olsen

(Pt. 2 - Publications)

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Books

In Preparation:

Olsen, P. E., under contract, Dinosaur and Other Fossil Tracks of Eastern North America: Columbia University Press (to be completed by 2004).

2003:

LeTourneau, P. M. and Olsen, P. E. (eds.), 2003, The Great Rift Valleys of Pangea in Eastern North America, vol. 1-2, [Columbia University Press](#).

Volume 1: Tectonics, Structure, and Volcanism, 214 p. (ISBN 0-231-11162-2) [\[View table of contents or purchase from CU Press.\]](#);

Volume 2: Sedimentology, Stratigraphy, and Paleontology, 384 p. (ISBN 0-231-12676-X) [\[View table of contents or purchase from CU Press\]](#).

Articles

In Press and Submitted:

Carter, J. G., Olsen, P. E., Sues, H-D., Peyer, K., Campbell, D. C., Campbell, M. R., Coffey, B., and Harlow, S. A., 2005, Life and death in the Triassic: an extraordinary tetrapod assemblage from the Late Triassic of North Carolina. for Canadian Journal of Earth Science.

Olsen, P.E., 2005, Field Guide for Non-marine Boundary Events in the Newark Basin (New Jersey, Pennsylvania, and Connecticut), Eastern United States and their Litho-, Chrono- and Biostratigraphic Context. Guidebooks for Field Workshops of IGCP 458 (in press). ([download a .pdf preprint of this paper: 10 MB!](#))

Olsen, P.E. and Whiteside, J.H., 2005, Pre-Quaternary Milankovitch cycles and climate variability, in Gornitz, V. (ed.), Encyclopedia of Paleoclimatology and Ancient Environments, Earth Science Series, Kluwer Academic Publishers, Dordrecht, the Netherlands (in press).

Whiteside, J.H., Olsen, P.E., Kent, D.V., Fowell, S.J., Et-Touhami, M., 2005, Synchrony between the CAMP and the Triassic-Jurassic mass-extinction event? Palaeogeography, Palaeoclimatology, and Palaeoecology, (in press, 2006), doi:10.1016/j.palaeo.2006.06.035.

2006:

Sha, J, Morton, N., Wang, Y., Olsen, P.E., Pienkowski, G., Wimbledon W.A.P., and Riccardi, A.C., 2006, Marine and non-marine Jurassic: boundary events and correlation. Progress in Natural Science, v. 16 (Special Issue), p. I-VI. ([download a .pdf of this paper: 15.3 MB](#))

2005:

Olsen, P.E., Whiteside, J.H., Fedak, T., 2005, Field Trip A7: The Triassic-Jurassic faunal and floral transition in the Fundy Basin, Nova Scotia. Geological Association of Canada, Mineralogical Association of Canada, Canadian Society of Petroleum Geologists, Canadian Society of Soil Sciences Joint Meeting, Halifax, May 2005, AGS Special Publication Number 26, 53 p. ([download a .pdf of this paper: 62.3 MB!](#)).

Olsen, P.E., Whiteside, J.H., LeTourneau, P.M., and Huber, P., 2005, Jurassic cyclostratigraphy and paleontology of the Hartford basin. In B.J. Skinner and A.R. Philpotts (eds.), 97th New England Intercollegiate Geological Conference, Department of Geology and Geophysics, Yale University, New Haven, Connecticut, p. A4-1 – A4-51. ([download a .pdf of this paper: 6.7 MB](#)).

Olsen, P.E., Whiteside, J.H., Fedak, T., 2005, Triassic-Jurassic faunal and floral transition in the Fundy Basin, Nova Scotia. NAPC Field Guidebook, North American Congress, Halifax, 52 p. ([download a .pdf of this paper: 46.7 MB!](#)).

2004:

Machlus, M., Hemming, S.R., Olsen, P.E., and Christie-Blick, N., 2004, Eocene calibration of geomagnetic polarity time scale reevaluated: Evidence from the Green River Formation of Wyoming, *Geology*, v. 32, no. 2, p. 137-140. ([download a .pdf of this paper: 400 KB](#))

Muttoni, G., Kent, D.V., Olsen, P.E., DiStefano, P., Lowrie, W., Bernasconi, S., Hernandez, F.M., 2004, Tethyan magnetostratigraphy from Pizzi Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale, *Geological Society of America Bulletin*, v. 116; no. 9/10; p. 1043–1058. ([download a .pdf of this paper: 1 MB](#))

Olsen, P.E., Kent, D.V., and Whiteside, J.H., 2004, The Newark Basin, The Central Atlantic Magmatic Province, and the Triassic-Jurassic Boundary. Field Trip for the 8th Annual DOSECC Workshop on Continental Scientific Drilling, May 22-25, 2004. Rutgers University New Brunswick, New Jersey, DOSECC, Salt Lake City, 45 p. ([download a .pdf of this paper: 4.5 MB](#))

2003:

Gates, A.E., and Olsen, P.E., 2003, *Geology of the Lower Hudson Valley*, 2001 New York State Geological Association Field Trip Guide Book, New York State Geological Association, New York State Museum, Albany, v. 73 (2001), 204 p. To purchase this guidebook see: <http://www.nysgaonline.org>

Huber, P., McDonald, Olsen, P. E., 2003, Early Jurassic insects from the Newark Supergroup, northeastern North United States, in LeTourneau, P.M. and Olsen, P.E. (eds.), *The Great Rift Valleys of Pangea in Eastern North America*, vol .2: Sedimentology, Stratigraphy, and Paleontology, Columbia University Press, New York, p. 206-223.

Olsen, P.E., Kent, D. V., Et-Touhami, M., 2003, Chronology and stratigraphy of the Fundy and related Nova Scotia offshore basins and Morocco based on core and outcrop. in Brown, D. (ed.), *Conventional Core Workshop*, Geological Society of America (NE Section) and Atlantic Geoscience Society, Halifax, p. 51-63. [download a .pdf of this paper \(7.4 MB\)](#).

Olsen, P.E., Kent, D. V., Et-Touhami, M., and Puffer, J. H., 2003, Cyclo-, magneto-, and bio-stratigraphic constraints on the duration of the CAMP event and its relationship to the Triassic-Jurassic boundary, in Hames, W.E., McHone, J.G., Renne, P.R., Ruppel, C. (eds.), *The Central Atlantic Magmatic Province:*

Insights From Fragments of Pangea, Geophysical Monograph Series, v. 136, p. 7-32. [download a .pdf of this paper \(5.9 MB\)](#).

Olsen, P.E., Kent, D.V., Sues, H.-D., Koeberl, C., Huber, H., Montanari, A., Rainforth, E. C., Fowell, S.J., Szajna, M.J., and Hartline, B.W., 2003, Ascent of dinosaurs linked to an iridium anomaly at the Triassic-Jurassic boundary (Reply to Thulborn). *Science*, v. 301, p. 169. [download a .pdf of the comment and reply as they appeared in Science](#); [download a .pdf of the full text of the reply](#); [download a .pdf of the comment by Thulborn](#).

Olsen, P. E. and McHone, J.G., 2003, Part II: Introduction [The Central Atlantic Large Igneous Province], in LeTourneau, P.M. and Olsen, P.E. (eds.), *The Great Rift Valleys of Pangea in Eastern North America*, vol. 1: Tectonics, Structure, and Volcanism, Columbia University Press, p. 137-140.

Olsen, P.E. and Rainforth, E.C., 2003, The "Age of Dinosaurs" in the Newark basin, with special reference to the lower Hudson Valley. in Gates, A.E., (ed.) and Olsen, P.E., (organizer), *Geology of the Lower Hudson Valley, 2001 New York State Geological Association Field Trip Guide Book*, New York State Geological Association, New York State Museum, Albany, v. 73 (2001), p. 59-176. [download a .pdf of this paper \(50 MB!\)](#).

Olsen, P.E. and Rainforth, E.C., 2003, The Early Jurassic ornithischian dinosaurian ichnogenus *Anomoepus*, in LeTourneau, P.M. and Olsen, P.E. (eds.), *The Great Rift Valleys of Pangea in Eastern North America*, vol. 2: Sedimentology, Stratigraphy, and Paleontology, Columbia University Press, p. 314-367.

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Schlische, R.W., Withjack, M.O., Olsen, P.E., 2003, Relative timing of CAMP, rifting, continental breakup, and basin inversion: tectonic significance, in Hames, W.E., McHone, J.G., Renne, P.R., Ruppel, C. (eds.), *The Central Atlantic Magmatic Province: Insights From Fragments of Pangea*, Geophysical Monograph Series, v. 136, p. 61-75.

Sues, H.-D., Olsen, P. E., and Carter, J. G., 2003, A new crocodylomorph archosaur from the Upper Triassic of North Carolina. *Journal of Vertebrate Paleontology*, v. 23, p. 329-343. [download a .pdf of this paper \(4.9 MB\)](#).

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Olsen, P.E., Kent, D.V., Sues, H.-D., Koeberl, C., Huber, H., Montanari, A., Rainforth, E. C., Fowell, S.J., Szajna, M.J., and Hartline, B.W., 2002, Ascent of dinosaurs linked to an iridium anomaly at the Triassic-Jurassic boundary. *Science*, v. 296, p. 1305-1307. [Download a .pdf of this paper](#). [Download the supplemental material](#).

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Kent, D. V. and Olsen, P. E., 2000, Magnetic polarity stratigraphy and paleolatitude of the Triassic--Jurassic Blomidon Formation in the Fundy basin (Canada): implications for early Mesozoic tropical climate gradients. Earth And Planetary Science Letters, v. 179, no. 2. p. 311-324. [Request a real reprint of this paper](#) [Download a .pdf of this paper](#).

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