

## **Publications by Timothy Rowe**

February 25, 2008

### **Selected Internet Sites:**

Digital Morpholog, an NSF Digital Library: [www.DigiMorph.org](http://www.DigiMorph.org)

High-Resolution X-ray CT Facility: [www.ctlab.geo.utexas.edu](http://www.ctlab.geo.utexas.edu)

Vertebrate Paleontology Laboratory: [www.paleo.utexas.edu/vpl](http://www.paleo.utexas.edu/vpl)

### **Selected Publications:**

#### **I. Books:**

Dingus, L., and T. Rowe. 1998. *The Mistaken Extinction - Dinosaur Evolution and the Origin of Birds*. New York, W. H. Freeman & Co., 322 pp. ISBN 0-7167-2944-X, ISBN 0-7167-3227-0 (academic version).

#### **II. CD-ROMs:**

Rowe, T., C. A. Brochu, K. Kishi, M. Colbert, J. W. Merck, Jr., E. Saglamer, and S. Warren. 1999. *Alligator: Digital Atlas of the Skull*. Interactive Multimedia on CD-ROM for Macintosh and PC computers. *in*: T. Rowe, C. A. Brochu, and K. Kishi (eds.). Cranial morphology of *Alligator* and phylogeny of Alligatoroidae. Memoir 6, Society of Vertebrate Paleontology.

Rowe, T., K. Kishi, J. Merck, Jr., and M. Colbert. 1998. *The Age of Dinosaurs*. Educational Interactive Multimedia on CD-ROM for Macintosh and PC computers. Third Edition. W. H. Freeman & Co. ISBN 0-7167-3378-1, and packaged in ISBN 0-7167-3227-0

Rowe, T., K. Kishi, and J. Merck, Jr., 1995. *The Age of Dinosaurs*. Educational Interactive Multimedia on CD-ROM for Macintosh and PC computers. Second Edition Beta Test 2.0, September 1995.

Rowe, T., W. Carlson, and W. Bortorff. 1995. *Thrinaxodon*: Digital Atlas of the Skull. CD-ROM (Second Edition, for Windows and Macintosh platforms), University of Texas Press, 547 megabytes.

Rowe, T., K. Kishi, and J. Merck, Jr., 1994. *The Age of Dinosaurs*. Educational Interactive Multimedia on CD-ROM for Macintosh and PC computers. First Edition, Beta Test 1.0, October 1994.

Rowe, T., W. Carlson, and W. Bortorff. 1993. *Thrinaxodon*: Digital Atlas of the Skull. CD-ROM (First edition, for MS-DOS platform), University of Texas Press, 623 megabytes.

#### **III. Scientific Articles:**

Colbert, M. W. and T. Rowe. 2008. Ontogenetic Sequence Analysis: Using Parsimony to Characterize Developmental Sequences and Sequence Polymorphism. *Journal of Experimental Zoology (Mol. Dev. Evol.)* 310B:1-19.

Rowe, T., Rich, T. H., Vickers-Rich, P., Springer M., and Woodburne M. O., (2008). The Oldest Platypus, and its Bearing on Divergence

Timing of the Platypus and Echidna Clades. Proceedings National Academy of Sciences 105:1238-1242 + online supplementary information.

Sereno, P. C., J. A. Wilson, L. A. Witmer, J. A. Whitlock, A. Maga, O. Ide, and T. B. Rowe (2007). Structural Extremes in a Cretaceous Dinosaur. PLoS ONE 2(11): e1230.

Balanoff, A. M. and T. B. Rowe. 2007. Osteological Description of an Embryonic Skeleton of the Extinct Elephant Bird, *Aepyornis* (Palaeognathae, Ratitae). Memoir 9, Society of Vertebrate Paleontology; Journal of Vertebrate Paleontology, supplement to volume 27: 1-54.

Macrini, T. E., T. Rowe, and J. VandeBerg. 2007. Cranial Endocasts from a Growth Series of *Monodelphis domestica* (Didelphidae, Marsupialia): A Study of Individual and Ontogenetic Variation. Journal of Morphology, published online 11 July, 2007.

Macrini, T. E., G. Rougier, and T. Rowe. 2007. Description of a Cranial Endocast from the Fossil Mammal *Vincelestes neuquenianus* (Theriiformes) and its Relevance to the Evolution of Endocranial Characters in Therians. Anatomical Record, 290: 875-892.

Macrini, T. E., C. de Muizon, R. L. Cifelli, and T. Rowe. 2007. Digital endocast of *Pucadelphys andinus*, a Paleocene metatherian. Journal of Vertebrate Paleontology 27: 99-107.

Maisano, J. A., M. Kearney, and T. Rowe. 2006. Cranial Anatomy of the Spade-Headed Amphisbaenian *Diplometapon zarudnyi* (Squamata, Amphisbaenia) Based on High-Resolution X-ray Computed Tomography. Journal of Morphology 267(1):70-102, includes Web supplement at [www.DigiMorph.org](http://www.DigiMorph.org), posted on "early view" October 28, 2005.

Macrini, T. E., T. Rowe, and M. Archer. 2006. Description of a cranial endocast from a fossil platypus, *Obdurodon dicksoni* (Monotremata, Ornithorhynchidae), and the relevance of endocranial characters to monotreme monophyly. Journal of Morphology 267:1000-1015.

Bever, G. S., T. Rowe, E. G. Ekdale, T. E. Macrini, M. W. Colbert, A. M. Balanoff. 2005. Comment on "Independent Origins of Middle Ear bones in Monotremes and Therians." Science, 309: 1492a.

Rowe, T. B., T. P. Eiting, T. E. Macrini, R. A. Ketcham. 2005. Organization of the Olfactory and Respiratory Skeleton in the Nose of the Gray

Short-Tailed Opossum *Monodelphis domestica*. *Journal of Mammalian Evolution* 12:303-336.

- Franzosa, J., and T. Rowe. 2005. Cranial Endocast of the Cretaceous Theropod Dinosaur *Acrocanthosaurus atokensis*. *Journal of Vertebrate Paleontology*, 25(4): 859-864, plus Web supplement at [www.DigiMorph.org](http://www.DigiMorph.org).
- Colbert, M. W., R. Racicot, and T. Rowe. 2005. Anatomy of the Cranial Endocast of the bottlenose dolphin *Tursiops truncatus*, based on HRXCT. *Journal of Mammalian Evolution* 12: 197-209.
- Kearney, M., J. A. Maisano, and T. Rowe. 2005. Cranial Anatomy of the Extinct Worm-lizard *Rhineura hatcherii* (Squamata, Amphisbaenia) based on High-resolution X-ray Computed Tomography. *Journal of Morphology*, 264: 1-33, plus Web supplement at [www.DigiMorph.org](http://www.DigiMorph.org).
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- Van Valkenburgh, J. Theodor, A. Friscia, and T. Rowe. 2004. Respiratory Turbinates of Canids and Felids: A Quantitative Comparison. *Journal of Zoology, London*, 264: 1-13. Includes Web supplement at [www.DigiMorph.org](http://www.DigiMorph.org).
- Tykoski, R. S., and T. Rowe. 2004. Ceratosauria. Pp 47-70, *In: The Dinosauria*, D. Weishampel, P. Dodson, and H. Osmolska (eds.), 2<sup>nd</sup> edition, University of California Press.
- Rowe, T. 2004. Chordate Phylogeny and Development. Pp. 384 – 409, *In: Assembling the Tree of Life* (M. J. Donoghue and J. Cracraft, eds.), Oxford University Press, Oxford and New York.
- Dominguez-Alonso, P., A. C. Milner, M. J. Cookson, T. B. Rowe. 2004. The Avian nature of the brain and inner ear of *Archaeopteryx*. *Nature* 430: 666-669; with Web supplements at [www.Nature.com](http://www.Nature.com) and [www.Digimorph.org](http://www.Digimorph.org).
- See also commentary on this article: L. M. Witmer, 2004. Inside the Oldest Bird Brain. *Nature* 430: 619-620.
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- Witmer, Lawrence W., Sankar Chatterjee, Jonathan Franzosa, and Timothy Rowe. 2003. Neuroanatomy of flying reptiles and implications for flight, posture, and behavior. *Nature*, 425: 950-954.
- Carlson, W.D., Rowe, T., Ketcham, R.A., and Colbert, M.W. (2003) Geological applications of high-resolution X-ray computed tomography in petrology, meteoritics and palaeontology. In F. Mees, R. Swennen, M. Van Geet, and P. Jacobs, Eds. *Applications of X-ray computed tomography in the geosciences*, 215, 7-22. Geological Society, London.
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- Anderson, J. S., R. L. Carroll, and T. Rowe. 2003. New Information on *Lethiscus stocki* (Tetrapoda, Lepospondyli, Aistopoda) from High-Resolution X-ray Computed Tomography. *Canadian Journal of Earth Sciences*, 40: 1071-1083.
- Makovicky, Peter J., Norell, Mark A., Clark, James M., Rowe, Timothy. 2003. Osteology and Relationships of *Byronosaurus jaffei* (Theropoda: Troodontidae). *American Museum Novitates*: Number 3402, pp. 1–32.
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- Rowe, T., E. F. McBride, and P. C. Sereno, 2001. Dinosaur with a heart of stone. *Science* 291: 783e.
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- Rowe, T., C. A. Brochu, K. Kishi, M. Colbert, and J. W. Merck. 1999 Introduction to Alligator: Digital Atlas of the Skull. Pp. 1-8 *In*: T. Rowe, C. A. Brochu, and K. Kishi (eds.). *Cranial morphology of Alligator and phylogeny of Alligatoroidae. Society of Vertebrate Paleontology Memoir 6, Journal of Vertebrate Paleontology 19*, supplement to number 2.
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- Cifelli, R. L., Rowe, T., Lockett, W. P., Banta, J., Reyes, R., and Howes, R. I. 1996. Fossil evidence for the origin of the marsupial pattern of tooth replacement. *Nature*, 379:715-718.

- Rowe, T., and E. L. Lundelius 1994. At the beginning: computer technology and the early history of mammals. *Discover*, The University of Texas at Austin, vol. 13(4): 22-28.
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- Forster, C. A., P. C. Sereno, T. W. Evans, and T. Rowe 1993. A complete skull of *Chasmosaurus mariscalensis* (Dinosauria, Ceratopsidae) from the Aguja Formation (Late Campanian) of west Texas. *Journal of Vertebrate Paleontology*, 13(2): 161-170.
- Rowe, T., R. L. Cifelli, T. M. Lehman, and A. Weil 1992. The Campanian Terlingua local fauna, with a summary of other vertebrates from the Aguja Formation, Trans-Pecos, Texas. *Journal of Vertebrate Paleontology*, 12(4):405-427.
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- Gauthier, J. A., D. Cannatella, K. de Queiroz, A. G. Kluge, and T. Rowe 1989. Tetrapod phylogeny. Pp. 337-353 *In: The Hierarchy of Life [Nobel Symposium]*, B. Fernholm, H. Bremer, H. Jornvall (eds.), Nobel Symposium 70, Excerpta Medica, Amsterdam.
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#### **IV. Book Reviews:**

- Rowe, T. 2005. Unearthing Mammalian Origins: review of *Mammals from the Age of Dinosaurs – Origins, Evolution, and Structure*, by Zophia Kielan Jaworowska, Richard Cifelli, and Zhexi Luo. *Nature* 438:426.
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## **V. Selected Abstracts:**

- Macrini, T. E., G. W. Rougier, and T. B. Rowe. 2005. A digital cranial endocast of *Vincelestes* and a discussion of the evolution of endocranial space in mammals. *Journal of Vertebrate Paleontology* 25(Suppl. No. 3):87A. (platform presentation)
- Macrini, T. E., C. de Muizon, R. L. Cifelli, and T. Rowe. 2006. Digital cranial endocast from *Pucadelphys andinus*, a Paleocene metatherian. *Journal of Vertebrate Paleontology* 26(Suppl. No. 3):93A. (poster presentation)
- Macrini, T. E., and T. B. Rowe. 2005. Preliminary comparison of cranial endocasts of marsupials. *Society for Integrative and Comparative Biology 2005 Annual Meeting Final Program and Abstracts*, San Diego, CA, p. 182. (platform presentation)
- Rowe, T. B., T. E. Macrini, T. P. Eiting, and R. A. Ketcham. 2005. The olfactory and respiratory skeleton in the nose of the opossum *Monodelphis domestica*. *Society for Integrative and Comparative Biology 2005 Annual Meeting Final Program and Abstracts*, San Diego, CA, p. 219.
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- Macrini, T. E., and T. B. Rowe. 2004. Cranial endocasts of monotremes. *Journal of Vertebrate Paleontology* 24(Suppl. No. 3):87A. (platform presentation)
- Clarke, J., Gauthier, J. A., K. de Queiroz, W. G. Joyce, J. F. Parham, T. Rowe. 2004. A Phylogenetic Nomenclature for the Major Clades of Amniota Haeckel 1866, with Emphasis on Aves Linnaeus 1758. *First International Phylogenetic Nomenclature Meeting, Paris, July 6-9* ;page 30.
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- Rowe, T., and T. E. Macrini. 2002. Organization and origin of the mammalian olfactory system. *Journal of Vertebrate Paleontology* 22(suppl. To No. 3):101a
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- Rowe, T. 2001. The *Archaeoraptor* forgery, a high-resolution X-ray CT analysis. 61<sup>st</sup> Annual meeting, Society of Vertebrate Paleontology, *Journal of Vertebrate Paleontology*, 21(4), supplement to No. 3: 95a.
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Timothy B. Rowe. Publications. Publication period start: 2003. Publication period end: 2003. Number of co-authors: 3. Co-authors. Number of publications with favourite co-authors. Wendy L. Hodges. 1.Â Hodges, Wendy L., Garland, Theodore, Reyes, Reuben, Rowe, Timothy B. (2003): Visualizing Horn Evolution by Morphing High-Resolution X-ray CT Images. In: International Conference on Computer Graphics and Interactive Techniques July 27-31, 2003, San Diego, California. pp. 1-1. <http://portal.acm.org/citation.cfm?id=965504>. Research and compare Indianapolis Attorney Timothy Rowe with other Indiana Personal Injury Attorneys on LII.Â Timothy A. Rowe was born in Mansfield, Ohio. He graduated from the College of Emporia with a degree in Biblical Studies. He also attended the University of California Berkeley and Indiana University. He graduated with a B.A. with distinction in History and Classics from Indiana University in 1981 and graduated cum laude from Indiana University School of Law, Indianapolis in 1984. He has been a partner in the law firm of Rowe & Hamilton for 34 years. His practice is concentrated in auto, trucking accident litigation, and premises liability.