Jason James Head

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Professional Experience

Assistant Professor, 2006-Present. Department of Biology, University of Toronto–Mississauga. Joint appointment: Graduate Faculty, Department of Ecology and Evolutionary Biology, University of Toronto. *Dean's Excellence Award* for academic performance (2010)

Courtesy Assistant Curator, 2009-Present. Florida Museum of Natural History, University of Florida–Gainesville

Visiting Scholar, 2009. Museum of Paleontology, University of California–Berkeley

Research Associate, 2007-Present. Dept of Natural History, Royal Ontario Museum

Research Associate, 2005-2009. Dept of Paleobiology, Smithsonian Institution

Visiting Assistant Professor, 2005-2006. Earth and Environmental Sciences Program, Department of Biology, George Washington University

National Science Foundation Postdoctoral Research Fellow in Biological Informatics, 2002-2005. Department of Paleobiology, Smithsonian Institution, and School of Biological Sciences, Queen Mary, University of London

Education

Ph.D., 2002, Vertebrate Paleontology (Geology), Southern Methodist University
M.S., 1997, Vertebrate Paleontology (Geology), Southern Methodist University
B.S., 1995. Biology, University of Michigan–Ann Arbor

Selected Recent Publications (*complete list attached*)

Head, J. J., J. I. Bloch, A. K. Hastings, J. R. Bourque, E. A. Cadena, F. A. Herrera, P. D. Polly, and C. A. Jaramillo. 2009. Giant boid snake from the Paleocene neotropics reveals hotter past equatorial temperatures. *Nature*, 457:715-717.

Müller, J., T. Scheyer, J.J. Head, P.M. Barrett, P. Ericson, D. Pol, and M. R. Sanchéz-Villagra. 2010. The evolution of vertebral numbers in recent and fossil amniotes: The roles of homeotic effects and somitogenesis. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 107:2118-2123.

Head, J. J., P. M. Barrett, and E. J. Rayfield. 2009. Neurocranial osteology and systematic relationships of *Varanus* (*Megalania*) *prisca* Owen (Squamata, Varanidae). *Zoological Journal of the Linnaean Society of London*, 155:445-457.

Sanders, K. L., Mumpuni, A. Hamidy, J. J. Head, and D. J. Gower. 2010. Phylogeny and divergence times of filesnakes (*Acrochordus*): Inferences from morphology, fossils and three molecular loci. *Molecular Phylogenetics and Evolution*, 56:857-867.

Grants and Fellowships

Deutsche Forschungsgemeinschaft. **Decision pending.** Biotic vs abiotic factors promoting the diversification of caenophidian snakes. Co-applicant J. Müller (Humboldt-Universität zu Berlin). (€37,500)

Natural Sciences and Engineering Research Council of Canada Research Tools and Instruments Grant. **2009.** Thin sectioning and microscopy lab for palaeobiological and other rare sample research. Co-applicant D. Evans (Royal Ontario Museum, Toronto). ($77,255)

Natural Sciences and Engineering Research Council of Canada Discovery Grant. **2007-2012.** Macroevolution in Squamates (Reptilia): Integrating Developmental, Physiological, and Historical Approaches. ($96,250)

Natural Sciences and Engineering Research Council of Canada Research Tools and Instruments Grant. **2007.** High-Resolution Visual Imaging for Morphometric and Histological Analysis of Squamate Morphology. ($23,600)

Royal Society of London North American International Incoming Short Visits Grant. 2007. Neurocranial Anatomy and the Evolution of Gigantism in Varanid Lizards. Co-applicant P. M. Barrett, Natural History Museum, London. (£2,125)

National Science Foundation Postdoctoral Fellowship, Biological Informatics (NSF 98-162), **2002-2005.** Morphological Phylogeography of Erycine Snakes: Recovering the Historical Relationship Between Fauna and Environment. ($150,000)

European Union Synthesis of Systematic Resources (SYNTHESYS) Award (DE-TAF 541). **2005.** Anatomy and Systematics of *Archaeophis provaus* Massalongo and the Phylogenetic Interrelationships of Palaeopheidae. (€2,500)

University of London Central Research Fund. 1999. An Eigenshape Analysis of Snake Axial Skeletons: Evolution, Development, and Locomotion. With P. D. Polly, Queen Mary, University of London. (£1,000)

Huffington Scholarship. 1999, 2001. Department of Geological Sciences, Southern Methodist University. ($16,000)

Awards

Dean's Excellence Award (academic and scholastic excellence in research and teaching). 2010. University of Toronto

Samuel P. Welles Grant. 2005. Museum of Paleontology, University of California. ($450)

Alfred Sherwood Romer Prize (honorable mention). 2000. For best student paper presentation, Society of Vertebrate Paleontology, 60th annual meeting, Mexico City, D. F., Mexico

Richard Estes Memorial Award. 1999. For best student proposal in lower vertebrates, Society of Vertebrate Paleontology, 59th annual meeting, Denver, Colorado

T. Williams Award. 1999. Department of Geological Sciences, Southern Methodist University. For outstanding student field research. ($500.00)

Graduate Student Poster Prize (honorable mention). 1998. Society of Vertebrate Paleontology, 58th annual meeting, Snowbird, Utah

Invited Lectures

2010. "Climatic inferences from extant and fossil reptiles: Toward a metabolic paleothermometer". 2010 American Geophysical Union Fall Meeting, San Francisco, Special Session: "Paleoecology of Climate Change in Pre-Neogene Continental Environments".

2010. “Narrow fellows in the rock: Ecological and climatic inferences from the fossil record of snakes”. Burpee Museum Paleofest, 2010, Rockford, IL.

2010. “Metabolic paleothermometry: climatic insights from the fossil record of reptiles” 3rd International Palaentological Congress, Imperial College, London, Special Session: “From teeth to Tibet - new techniques and views on mammals and Cenozoic environmental change”

2010. “Fossils, physiology, and environment: paleoclimatic reconstruction using the fossil record of Cenozoic reptiles” Department of Biological Sciences, Humboldt State University, CA.

2010. “The origin of wide-gape feeding in snakes” Department of Biological Sciences, Humboldt State University, CA.

2009. “The phylogenetic interrelationships and antiquity of plastomenid turtles” Gaffney Turtle Symposium, Royal Tyrrell Museum, Alberta.

2009. “Paleothermometry and body size evolution in Cenozoic snakes” Museum of Paleontology, University of California–Berkeley.

2009. “Metabolism, body size, and climatic inferences from reptiles” Department of Earth and Planetary Sciences, University of California–Santa Cruz.

2009. “Fossil implications for the evolution of wide-gape feeding in snakes” Museum of Paleontology, University of California–Berkeley.

2009. “Evolutionary histories of Cenozoic reptiles: Systematics and ecology” Department of Biology, Marshall University.

2008. “They even look like thermometers: Snakes (and other reptiles) as paleotemperature indicators” Palherp 2008, Institut für Paleontologie, Museum für Naturkunde, Berlin.

2008. “Snakes and Palaeo^3- New discoveries in ecology, biogeography, and climate from a diverse vertebrate clade” Department of Geology, Miami University.

2006. “Evolution and development in snakes: historical and morphometric approaches” Department of Geology, University of Iowa.

2005. “Morphometrics, phylogenetics, and the fossil record of snakes” North American Paleontological Convention, Halifax, Nova Scotia.

2005. “*Archaeophis proavus* and the ecology of snake origins” Institut für Paleontologie, Museum für Naturkunde, Berlin.

2005. “Ecological and phylogenetic variation in segmentation in snakes” Society of Integrative and Comparative Biology 2005 meeting, special symposium: “Terminal growth, segmentation, and the evolution of metazoan body plan regionalization.”

2004. “They might be giants: Morphometric methods for reconstructing body size for the world’s largest snakes” Department of Palaeontology, The Natural History Museum, London.

2003. “Reconstructing phylogeny and taxonomy in recent and fossil snakes using geometric morphometric analysis of vertebral shape” School of Biological Sciences, Queen Mary, University of London.

2003. “Biting off the unchewable: Attempts at reconstructing the evolutionary history of erycine snakes” Department of Paleobiology, Smithsonian Institution.

2003. “Showing some backbone: Phylogenetic significance of vertebral morphology in snakes” Department of Vertebrate Zoology, Smithsonian Institution.

2002. "Phylogenetic significance of vertebral morphology in snakes: Implications for interpreting the fossil record" Society of Vertebrate Paleontology, 62nd annual meeting. Special symposium: "Recent advances in lepidosaurian evolution and systematics."

Teaching

2007-present. *Dinosaurs and the History of Life*, University of Toronto–Mississauga

2006-present. *Vertebrate form and function- Comparative Vertebrate Anatomy*, University of Toronto–Mississauga

2006-present. *Vertebrate Evolution*, University of Toronto–Mississauga

2006. *Invertebrate Paleobiology*, George Washington University

2005-2006. *Historical Geology*, George Washington University

2005-2006. *Environmental Geology*, George Washington University

2005. *Sedimentology and Stratigraphy*, George Washington University

2000. *Introduction to Phylogenetic Systematics*, Southern Methodist University

1999-2001. *Comparative Vertebrate Anatomy: Laboratory*, Southern Methodist University

1995-97, 2000. *Introduction to Earth Systems: Laboratory*, Southern Methodist University

1998. *Paleobiology* (assistant instructor), Southern Methodist University

1997-99. *Evolution and Life History* (assistant instructor), Southern Methodist University

Students

Supervision

Nicolas Campione, University of Toronto. M.S., 2008. (co-supervisor)

Christopher McGarrity, University of Toronto. M.S., in progress (committee member)

Alexander Hastings, University of Florida, Ph.D., in progress. (committee member)

Christina Pizzola, University of Toronto–Mississauga, B.S., 2010 (supervisor, independent research,)

Laura Sedra, University of Toronto–Mississauga, B.S., current student (supervisor, independent research, 2009-2010)

Supervisor / Examination

Jörg Fröbisch, University of Toronto, Ph.D., 2008. (thesis reader and examiner)

David Evans, University of Toronto, Ph.D., 2007. (thesis reader and examiner)

Hillary Madden, University of Toronto. M.S., 2006. (thesis reader and examiner)

Field Research

Colombia. 2010-Present. Exploration of the only known Paleocene-Eocene boundary tropical vertebrate fauna for paleoclimatic analysis

Uruguay. 2010. Exploration of the Guechon Formation for Cretaceous vertebrates

Jordan. 2008. Exploration of Cretaceous marginal marine carbonate environments for records of early marine squamates, exploration of terrestrial rocks for records of Late Cretaceous insular vertebrate ecosystems

India. 2007-Present. Exploration of Cretaceous Lameta Formation and Paleocene intertrappen beds, emphasizing collection of vertebrate fossils and paleoenvironmental reconstruction

Pakistan. 1996-2000. Exploration of the Miocene Siwalik Group, emphasizing collection of specimens for paleoecological analysis

Tanzania. 2000. Exploration of Eocene lacustrine deposits for paleoclimatic studies

Mali. 1999. Exploration of Early Cretaceous to Paleocene "Continental Intercalaire" and "Continental Hamadian" formations to determine potential for paleontological studies

Texas. 1995-2002. Exploration of the Cretaceous Comanche Series of North Texas

Arizona. 1995-98. Exploration of the late Triassic Chinle Formation of the Painted Desert region

Colorado, Utah. 1992. Exploration and quarry maintenance of the late Jurassic Morrison Formation and Early Cretaceous Cedar Mountain Formation fossil localities

Wyoming. 1991. Field exploration of the late Jurassic Morrison Formation sediments at Como Bluff

Professional Service

Editorships

2007-Present. Member, Board of Consulting Editors, *McGraw-Hill Yearbook of Science & Technology*
2004-2007. Reviews Editor, *Palaeontologia Electronica*
2002-2004. Acquisitions Editor, *Palaeontologia Electronica*

Working Group Participation and Public Outreach

2010- Guest Speaker, Paleofest 2010, Burpee Museum, Rockford, IL
2002-Present. Contributor, Vertebrate Working Group, Paleobiological Database, National Center for Ecological Analysis and Synthesis (NCEAS)
2002-2008. Member, Evolution of Terrestrial Ecosystems (ETE) program, Smithsonian Institution
2002. Guest Speaker, Smithsonian in Schools Program, Spring Branch Independent School District, Texas

Professional Committee Service

2010-Present. Co-chair, Education and Outreach Committee, Society of Vertebrate Paleontology
2006-2009. Chair, Program Committee, Society of Vertebrate Paleontology
2006-Present. Member, Media Liaison Committee and Media Rapid Response Team, Society of Vertebrate Paleontology
2003-Present. Member, Program Committee, Society of Vertebrate Paleontology
2003-2006. Member, Predoctoral Scholarship Committee, Society of Vertebrate Paleontology
1997-2001. President, Departmental Representative, Graduate Student Assembly, Southern Methodist University
1997-1998. Graduate Student Representative, Society of Vertebrate Paleontology

Manuscript Reviews

Acta Palaeontologica Polonica, Canadian Journal of Earth Sciences, Copeia, Journal of Herpetology, Journal of Paleontology, Journal of Vertebrate Paleontology, Nature, Palaeontologica Electronica, Palaeontology, Paleobiology, Royal Society of London Biological

Proceedings, Southeastern Naturalist, Systematic Biology, Zoological Journal of the Linnaean Society

Research Proposal Reviews

National Science Foundation Division of Systematic Biology, National Science Foundation Division of Sedimentary Geology and Paleobiology. Deutsche Forschungsgemeinschaft

Professional Society Memberships

Herpetologists League, Geological Society of America, International Society of Vertebrate Morphology, Paleontological Society, Palaeontological Association, Sigma Xi, Society for Integrative and Comparative Biology, Society for the Study of Amphibians and Reptiles, Society of Vertebrate Paleontology

References

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Full Publications List

Refereed Journal Articles and Book Chapters

Head, J. J., K. de Queiroz, and H. W. Greene. In Review. *Serpentes, Pan-Serpentes*. *In*: K. de Queiroz, P. D. Cantino and J. A. Gauthier (eds.), *Phylonyms: A Companion to the PhyloCode*. Berkeley: University of California Press.

Sanders, K. L., Mumpuni, A. Hamidy, J. J. Head, and D. J. Gower. 2010. Phylogeny and divergence times of filesnakes (*Acrochordus*): Inferences from morphology, fossils and three molecular loci. *Molecular Phylogenetics and Evolution*, 56:857-867.

Wilson, J. A., D. Mohabey, S. Peters, and J. J. Head. 2010. Predation upon hatchling sauropod dinosaurs by a new basal snake from the Late Cretaceous of India. *PLOS Biology*. 8:1–5 (doi:10.1371/journal.pbio.1000322.g005)

Müller, J., T. Scheyer, J.J. Head, P.M. Barrett, P. Ericson, D. Pol, and M. R. Sanchéz-Villagra. 2010. The evolution of vertebral numbers in recent and fossil amniotes: The roles of homeotic effects and somitogenesis. *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 107:2118-2123.

Head, J. J., J. I. Bloch, A. K. Hastings, J. R. Bourque, E. A. Cadena, F. A. Herrera, P. D. Polly, and C. A. Jaramillo. 2009. Communications Arising: Recalibrating the snake palaeothermometer, Reply. *Nature*, 460:E4-E5 doi:10.1038/nature08225

Head, J. J., P. M. Barrett, and E. J. Rayfield. 2009. Neurocranial osteology and systematic relationships of *Varanus* (*Megalania*) *prisca* Owen (Squamata, Varanidae). *Zoological Journal of the Linnaean Society of London*, 155:445-457.

Head, J. J., J. I. Bloch, A. K. Hastings, J. R. Bourque, E. A. Cadena, F. A. Herrera, P. D. Polly, and C. A. Jaramillo. 2009. Giant boid snake from the Paleocene neotropics reveals hotter past equatorial temperatures. *Nature*, 457:715-717.

Reisz, R. R., and J. J. Head. 2008. Turtle origins out to sea. *Nature*, 456:450-451.

Bajpai, S, and J. J. Head. 2008. An early Eocene palaeopheid snake from Vastan Lignite Mine, Gujarat, India. *Gondwana Geological Magazine*, 22:85-90.

Head, J. J., and C. J. Bell. 2008. Snakes from Lemudong'o, Kenya Rift Valley. *In:* L. Hlusko (ed.), Stratigraphy, Paleontology, and Paleoecology of the Lemudong'o Site, Kenya. *Kirtlandia*, 56:177-179.

Ambrose, S. H., C. J. Bell, R. L. Bernor, J.-R. Boisserie, C. M. Darwent, D. Degusta, A. Deino, N. Garcia, Y. Haile-Selassie, J. J. Head, L. J. Hlusko, F. C. Howell, M. D. Kyule, F. K. Manthi, E. M. Mathu, C. M. Nyamai, M. Pickford, H. Saegusa, T. A. Stidham, and M. A. J. Williams. 2008. The Paleoecology and Paleogeographic Context of Lemudong'o Locality 1, a Late Miocene Terrestrial Fossil Site in Southern Kenya. *Kirtlandia*, 56:38-52.

Head, J. J. 2007. Snake Evolution. *McGraw-Hill Yearbook of Science and Technology*.

Head, J. J., D. Mohabey, and J. A. Wilson. 2007. *Acrochordus* Hornstedt (Serpentes: Caenophidia) from the Miocene of Kachchh, western India: Neogene radiation of a derived snake. *Journal of Vertebrate Paleontology*, 27(3):720-723.

Head, J. J., and P. D. Polly. 2007. Dissociation of somatic maturity from segmentation drives gigantism in snakes. *Biology Letters*, 3(3):296-298. doi:10.1098/rsbl.2007.0069.

Head, J. J., O. Aguilera, and M. R. Sánchez-Villagra. 2006. Past colonization of South America by trionychid turtles: Fossil evidence from the Neogene of Margarita Island, Venezuela. *Journal of Herpetology*, 40(3):380-383.

Head, J. J., M. R. Sánchez-Villagra, and O. Aguilera. 2006. Fossil snakes from the Neogene of Venezuela (Falcón State). *In*: M. R. Sánchez-Villagra and A. B. Smith (eds.), Fossil Vertebrates from the Neogene of Venezuela: Contributions in Neotropical Palaeontology. *Journal of Systematic Palaeontology*, 4(3):233-240.

Rieppel, O., and J. J. Head. 2005. New specimens of the fossil snake genus *Eupodophis* Rage and Escuillié, from the mid-Cretaceous of Lebanon. *Memorie della Società Italiana di Scienze Naturali e Museo Civico di Storia Naturale di Milano*, 23(2):1-26.

Head, J. J. 2005. Snakes of the Siwalik Group (Miocene of Pakistan): Systematics and relationship to environmental change. *Palaeontologia Electronica*, 8.1,16A:1-32.

Head, J. J., P. A. Holroyd, J. H. Hutchison, and R. L. Ciochon. 2005. First report of snakes (Serpentes) from the late middle Eocene Pondaung Formation, Myanmar. *Journal of Vertebrate Paleontology*, 25:246-250.

O'Leary, M. A., E. M. Roberts, J. J. Head, F. Sissoko, and M. L. Bouaré. 2004. Titanosaurian (Dinosauria: Sauropoda) remains from the "Continental Intercalaire" of Mali. *Journal of Vertebrate Paleontology*, 24:923-930.

Polly, P. D., and J. J. Head. 2004. Maximum-likelihood identification of fossils: taxonomic identification of Quaternary marmots (Rodentia, Mammalia) and identification of vertebral position in the pipe snake *Cylindrophis* (Serpentes, Reptilia). Pps. 197-222, *In:* A. M. T. Elewa (ed.), *Morphometrics- Applications in Biology and Paleontology*. Springer-Verlag, Berlin, Heidelberg, New York.

Bell, C. J., J. J. Head, and J. I. Mead. 2004. Synopsis of the herpetofauna from Porcupine Cave. Pps. 117-126, *In*,: A. D. Barnosky (ed.), *Biodiversity Response to Climate Change in the Middle Pleistocene. The Porcupine Cave Fauna from Colorado*. Berkeley: University of California Press.

Gunnell, G. F., B. F. Jacobs, P. S. Herendeen, J. J. Head, E. Kowalski, C. P. Msuya, F. A. Mizambwa, T. Harrison, J. Habersetzer, and G. Storch. 2003. Oldest placental mammal from sub-Saharan Africa: Eocene microbat from Tanzania – evidence for early evolution of sophisticated echolocation. *Palaeontologia Electronica*, 5(3):1-10.

Head, J. J. 2001. A reassessment of the phylogenetic position of *Eolambia caroljonesa* (Dinosauria: Iguanodontia). *Journal of Vertebrate Paleontology*, 21(2):392-396.

Head, J. J., and Y. Kobayashi. 2001. Biogeographic histories and chronologies of derived iguanodontians. *Publications Especiales de la Asociación Paleontológica Argentina*, 7:107-111.

Polly, P. D., J. J. Head, and M. J. Cohn. 2001. Testing modularity and dissociation: the evolution of regional proportions in snakes (Serpentes, Vertebrata). Pps. 305-335, *In*: M. Zelditch (ed.), *Beyond Heterochrony: The Evolution of Development*. John Wiley & Sons.

Head, J. J., S. M. Raza, and P. D. Gingerich. 1999. *Drazindaretes tethyensis*, a new large trionychid (Reptilia: Testudines) from the marine Eocene Drazinda Formation of the Suliman Range, Punjab (Pakistan). *Contributions from the Museum of Paleontology, The University of Michigan*, 30(7):199-214.

Head, J. J. 1998. A new species of basal hadrosaurid (Dinosauria, Ornithischia) from the Cenomanian of Texas. *Journal of Vertebrate Paleontology*, 18(4):718-738.

Head, J. J. 1997. Reptile Paleontology of the Dhok Pathan Formation, Siwalik Group: Preliminary results. Pps. 49-56, *In*: M.I. Ghaznavi, S.M. Raza, and M.T. Hasan (eds.) *Siwaliks of South Asia. Proceedings of the Third GEOSAS Workshop*. Geological Survey of Pakistan, Islamabad.

Published Abstracts

Head, J. J. 2010. Gigantism, fossils, physiology, and temperature: recovering the relationship between climate and body size evolution in reptiles. *9th International Congress of Vertebrate Morphology, abstracts.*

Head, J. J. 2010. Metabolic paleothermometry: climatic insights from the fossil record of reptiles. *3rd International Palaentological Congress, abstracts.*

Fox, D., K. McNulty, A. Thomas, and J. J. Head. 2009. Comparisons of cranial and mandibular shape variation in Theropoda (Dinosauria) and Carnivora (Mammalia) using 2-d semi- landmark outlines. *Journal of Vertebrate Paleontology*, 29 (suppl. to 3): 98A.

Head, J. J., P. D. Polly, J. I. Bloch, and E. Cadena. 2009. Body size, physiology, and ecology: paleothermometric estimates from the fossil record of reptiles. *Journal of Vertebrate Paleontology*, 29 (suppl. to 3): 112A.

Lawing, A. M., P. D. Polly, and J. J. Head. 2009. Ecomorphology as a predictor of modern and paleoenvironment in snakes. *Journal of Vertebrate Paleontology*, 29 (suppl. to 3): 133A.

Wilson, J. A., D. Mohabey, S. Peters, and J. J. Head. 2009. A snake-dinosaur association from the Cretaceous of India. *Journal of Vertebrate Paleontology*, 29 (suppl. to 3): 202A.

Head, J. J., and P. A. Holroyd. 2008. Assembly and biogeography of North American Paleogene snake faunas based on an expanded fossil record. *Journal of Vertebrate Paleontology*, 28 (suppl. to 3): 90A.

Wheatley, P., J. J. Head, and P. Koch. 2008. Paleoecology of Siwalik Group *Gavialis* (Crocodylia) and carbon flux in an ancient river system. *Journal of Vertebrate Paleontology*, 28 (suppl. to 3): 159A-160A.

Demar, D., J. J. Head, M. W. Caldwell, B. Breithaupt, and J.-C. Rage. 2008. Anatomy and taxonomic relationships of two snake frontals from the Mesaverde Formation, Wyoming: implications for North American snake evolution. *Journal of Vertebrate Paleontology*, 28 (suppl. to 3): 71A.

Müller, J., T. Scheyer, P.M. Barrett, P. Ericson, J.J. Head, D. Pol, and M. R. Sanchéz-Villagra. 2008. Amniote paleontology and development: evolution of vertebral counts and other case studies. *2008 conference of the European society for Evolutionary Developmental biology*.

Head, J. J., and P. D. Polly. 2007. Vertebral morphometry in snakes: implications for developmental mechanisms in axial skeleton evolution. *Journal of Morphology, International Congress of Vertebrate Morphology Abstracts*, 1081.

Head, J. J., P. M. Barrett, and E. J. Rayfield. 2007. The neurocranium and taxonomic affinities of the gigantic varanid lizard *'Megalania' prisca* from the Pleistocene of Australia. *Palaeontological Association Newsletter* 66 (Abstracts): 36.

Head, J. J. 2007. Morphology, molecules and time: effects of competing phylogenetic hypotheses on ecomorphological histories in snakes. *Journal of Vertebrate Paleontology*, 27 (suppl. to 3): 88A.

Head, J. J., and P. D. Polly. 2006. Developmental mechanisms in the evolution of the postcranial skeleton in snakes. *Journal of Vertebrate Paleontology*, 26 (suppl. to 3): 73A.

Head, J. J. 2005. *Archaeophis proavus* and the evolutionary history of palaeophiid snakes. *Journal of Vertebrate Paleontology*, 25 (suppl. to 3): 68A.

Head, J. J. 2005. Stop the madness! Assessing the systematic utility of vertebral morphology in fossil snakes. *II Congresso Latino-Americano de Paleontologia de Vertebrados. Boletim de Resumos*, 134.

Head, J. J. 2005. Morphometrics, phylogenetics, and the fossil record of snakes. *Paleobios*, 25 (suppl. to 2):58.

Head, J. J., and P. D. Polly. 2004. They might be giants: Morphometric methods for reconstructing body size for the World's largest snakes. *Journal of Vertebrate Paleontology*, 24 (suppl. to 3): 68A.

Polly, P. D., J. J. Head, T. M. Burland, and S. C. Le Comber. 2004. Paleophylogeography: phylogenetic and geographic analysis at and below the species level. *Palaeontological Association Newsletter*, 54: 149.

Head, J. J. 2003. Snaking through shape-space: Geometric morphometric approaches to taxonomy and phylogeny in erycine snakes. *Journal of Vertebrate Paleontology*, 23 (suppl. to 3):59A.

Alroy, J., A.K. Behrensmeyer, M. Carrano, W. Clyde, E. Fara, M. Fortelius, J. J. Head, J. Hunter, M. D. Uhen, and X. Wang. 2003. The 5% project: just how good is the fossil record of tetrapods? *Journal of Vertebrate Paleontology*, 23 (suppl. to 3):29A.

Head, J. J. 2002. Phylogenetic significance of vertebral morphology in snakes: implications for interpreting the fossil record. *Journal of Vertebrate Paleontology*, 22 (suppl. to 3):63A.

Head, J. J. 2001. Systematics and body size of the gigantic, enigmatic crocodyloid *Rhamphosuchus crassidens*, and the faunal history of Siwalik Group (Miocene) crocodylians. *Journal of Vertebrate Paleontology*, 21 (suppl. to 3):59A.

Head, J. J. 2000. Snakes through space and time: Correlation of body size and abundance in a rich snake record to environmental histories. *Journal of Vertebrate Paleontology*, 20 (suppl. to 3):47A-48A.

Head, J. J. 1999. A reassessment of the phylogenetic status of *Eolambia caroljonesa* (Ornithischia: Igaunodontia), with comments on the North American iguanodontian record. *Journal of Vertebrate Paleontology* 19 (suppl. to 3):50A.

Head, J. J., and Y. Kobayashi. 1999. Biogeographic histories and chronologies of derived iguanodontians. *VII International Symposium on Mesozoic Terrestrial Ecosystems*, Buenos Aires, Argentina, 30-31.

Head, J. J. 1998. Relative abundance as an indicator of ecology and physiology of the giant filesnake *Acrochordus dehmi*, from the Miocene of Pakistan. *Journal of Vertebrate Paleontology* 18 (suppl. to 3):49A.

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