

Anthony Martin

**Anthony (Tony) J. Martin**

**Updated November 12, 2018**

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## **EDUCATION**

Ph.D. in Geology, University of Georgia, 1992; M.S. in Geology, Miami University (Ohio), 1986; B.S. in Geobiology (minor in Art), Saint Joseph's College (Indiana), 1982.

## **TEACHING EXPERIENCE**

Professor of Practice, Senior Lecturer, and Lecturer (all non-tenured, lecture-track positions), in the Department of Environmental Sciences (formerly Environmental Studies) and Geosciences Program, Emory University, 1990-present.

### **Courses Taught in Emory College of Arts and Sciences (Emory University), 1990-Present**

*Barrier Islands*

*Communicating Environmental Science*

*Dinosaurs and Their Environments* (Freshman Seminar)

*Ecology of Invasions*

*Ecology, Geology, and Nature Observation*

*Ecosystems of the Southeastern U.S. Field Course*

*Ecosystems through Time*

*Environmental Geology*

*Evolution of the Earth with Lab*

*Evolutionary Biology, Ecology of Invasions, Environmental Geology, and Ecosystems through Time*: courses taught in three summer study-abroad programs in Queensland, Australia

*Extinctions*

*Great Books in Paleontology and Geology*

*Honors in Environmental Sciences*

*How to Interpret Behavior You Did Not See* (Freshman Seminar)

*Human and Natural Ecology*

*Independent Research*

*Modern and Ancient Tropical Environments Field Course*: taught biannually since 1997 as study-abroad program at Gerace Research Center, San Salvador Island (Bahamas)

*Seminar in Environmental Issues*

*Seminar in Paleontology*

*Special Topics: Ecological History of Australia and New Zealand*

### **Courses Co-Taught with Oxford College of Emory University, 1995-2008**

*Desert Geology*, 10-day field course in Chihuahuan Desert (New Mexico and Texas) or Sonoran Desert (Arizona), co-taught six times with Stephen Henderson, Oxford College.

*Dinosaurs and Their World*, 10-day field course in Colorado and Utah, co-taught twice with Stephen Henderson, Oxford College of Emory.

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*Social Change in Developing Societies*, 9-day field course on traditional ecological knowledge in context of differing ecosystems of Ecuador, co-taught once with Michael McQuaide, Oxford College of Emory.

### **Undergraduate Research Mentoring**

Advisor for undergraduate-student research (including Honors theses) from 1994-present, with 20 student-authored abstracts presented as talks or posters and 3 peer-reviewed articles. Meetings where students presented include: Geological Society of America, Society of Vertebrate Paleontology, North American Paleontological Convention, and Southeastern Ecology and Evolution Conference. Currently advising undergraduate research projects for the [Georgia Coast Atlas](#) project beginning in Fall 2017.

### **BOOK IN PROGRESS**

**Martin, A.J.** *Tracing the Georgia Sea Islands: Vestiges of the Natural and Human Histories of the Georgia Coast*. Proposal accepted by University of Georgia Press (Athens, Georgia), anticipated publication mid-2019.

### **BOOKS PUBLISHED**

**Martin, A.J.** 2017. [\*The Underground Evolution: Burrows, Bunkers, and the Marvelous Subterranean World Beneath Our Feet\*](#). Pegasus Books, New York: 405 p.

**Martin, A.J.** 2014. [\*Dinosaurs Without Bones: Dinosaur Lives Revealed by Their Trace Fossils\*](#). Pegasus Books, New York: 460 p. (Paperback edition released in March 2015.)

**Martin, A.J.** 2013. [\*Life Traces of the Georgia Coast\*](#). Indiana University Press, Bloomington, Indiana: 692 p.

Varricchio, D.J., **Martin, A.J.**, and Katsura, Y. 2009. [\*El Dinosaurio Que Excavó Su Madriguera\*](#) [The Dinosaur That Dug Its Burrow]. ¡Fundamental! 15, Fundación Conjunto Paleontológico de Teruel-Dinópolis, Teruel, Spain: 72 p. (In English and Spanish.)

**Martin, A.J.** 2006. [\*Introduction to the Study of Dinosaurs\*](#) [Second Edition]. Wiley-Blackwell, Oxford, U.K.: 560 p.

**Martin, A.J.** 2006. *Trace Fossils of San Salvador*. Gerace Research Center, San Salvador, Bahamas: 80 p.

**Martin, A.J.** 2001. *Introduction to the Study of Dinosaurs* [First Edition]. Blackwell Science, Malden, Massachusetts: 426 p.

### **GOOGLE SCHOLAR PROFILE (as of November 12, 2018)**

[Anthony J. Martin](#): Citations = 1,217 (606 since 2013); h-index = 18 (13 since 2013); i10index = 29 (21 since 2013).

### **ARTICLES PUBLISHED IN PEER-REVIEWED JOURNALS AND EDITED VOLUMES**

Falkingham, P. Bates, K.T., Avanzini, M., Bennett, M., Bordy, E., Breithaupt, B.H., Castanera, D., Citton, P., Díaz-Martínez, I., Farlow, J.O., Fiorillo, A.R., Gatesy, S.M., Getty, P., Hatala, K.G., Hornung, J.J., Hyatt, J.A., Klein, H., Lallensack, J.N., **Martin, A. J.**, Marty, D.M., Matthews, N.A., Meyer, Ch.A, Milàn, J., Minter, N.J., Razzolini, N.L., Romilio, A., Salisbury, S.W., Sciscio, L., Tanaka, I., Wiseman, A.L.A., Xing, L.D., Belvedere, M.A. 2018. A standard protocol in documenting modern and fossil ichnological data. *Palaeontology*, 61, [online](#).

**Martin, A.J.** 2017. The evolutionary advantage of burrowing underground. *American Scientist*, 105: 306-311. [Excerpted from *The Evolution Underground*]

- Farlow, J.O., Robinson, N.J., Kumagai, C.J., Paladino, F.V., Falkingham, P.L., Ruth M. Elsey, R.M., and **Martin, A.J.** 2017. Trackways of the American crocodile (*Crocodylus acutus*), northwest Costa Rica: implications for archosaurian ichnology. *Ichnos*, 24: 1-36: <http://www.tandfonline.com/doi/full/10.1080/10420940.2017.1350856>
- Martin, A.J.**, Page, M., Bransford, S., Salinas, A., and O'Daniel, S. 2017. [Sapelo Island flyover: a short video summary of a long history](#). *Southern Spaces*, published July 19, 2017, online only.
- Martin, A.J.** 2016. A close look at Victoria's first dinosaur tracks. *Memoirs of Museum Victoria*, 74: 63-71.
- Dattilo, B.F., Freeman, R.L., Peters, W., Heimbrock, B., Deline, B., **Martin, A.J.**, Kallmeyer, J., Argast, A., and Reeder, J. 2016. Giants among micromorphs: were Cincinnatian (Ordovician, Katian) small shelly phosphatic faunas dwarfed? *Palaios*, 31: 55-70. [Cover article]
- Martin, A.J.**, Blair, M., Dattilo, B.F., Howald, S., and Farlow, J.O. 2015. The ups and downs of *Diplocraterion* in the Glen Rose Formation (Albian), Texas (USA). *Geodinamica Acta*, 28: 101-119.
- Vallon, L.H., Rindsberg, A.K., and **Martin, A.J.** 2015. The use of the terms mark, trace, and structure. *Annales Societatis Geologorum Poloniae, Special Issue: One Ichnology: In Honor of Richard Bromley*, 85: 527-528.
- Farlow, J.O., Bates, K.T., Bonem, R.M., Dattilo, B.F., Falkingham, P.L., Gildner, R., Jacene, J., Kuban, G.J., **Martin, A.J.**, O'Brien, M., and Whitcraft, J. 2015. Dinosaur footprints from the Glen Rose Formation (Paluxy River, Dinosaur Valley State Park, Somervell County, Texas). In Noto, C. (editor), *Early- and Mid-Cretaceous Archosaur Localities of North-Central Texas*, Society of Vertebrate Paleontology Field Trip Guidebook: 14-37.
- Bransford, S., **Martin, A.J.**, and Page, M. 2015. [St. Catherines Island Flyover](#) (edited video and article). *Southern Spaces: An Interdisciplinary Journal about Regions, Places, and Cultures of the US South and their Global Connections* [online only].
- Rindsberg, A.K., and **Martin, A.J.** 2015. Caster's plasters: Neoichnological experiments by Kenneth Caster on limulids in 1937. *Geological Association of Canada Special Volume 9, papers from Ichnia, International Ichnological Congress Meeting*, St. Johns, Newfoundland (Canada): 197-210.
- Martin, A.J.**, and Whitten, M.J. 2015. First known fossil bird tracks (Pleistocene) on San Salvador Island, Bahamas. *Geologica Acta*, 12(1): 63-68.
- Dattilo, B., Howald, S., Bonem, R., Farlow, J.O., **Martin, A.J.**, O'Brien, M., Blair, M., Kuban, G., Mark, L., Knox, A., Ward, B., and Joyce, T. 2014. Stratigraphy of the Paluxy River tracksites in and around Dinosaur Valley State Park, Lower Cretaceous Glen Rose Formation, Somervell County, Texas. *New Mexico Museum of Natural History Bulletin*, 62: 307-338.
- Martin, A.J.**, Vickers-Rich, P., and Rich, T.H. 2014. Oldest known avian footprints from Australia: Eumeralla Formation (Albian), Dinosaur Cove, Victoria. *Palaeontology*, 57: 7-19.
- Martin, A.J.** 2013. Book review: Roadside Geology of Georgia. *Southeastern Geology*, 50: 55-57.
- Martin, A.J.**, and Weaver, Patricia W. 2013. Ediacaran trace fossils from the Albemarle Group of the Carolina Terrane, North Carolina (USA): marks of a mobile lifestyle on a Precambrian sea bottom. In Hibbard, J. (editor), *One Arc, Two Arcs, Old Arc, New Arc: A 21st Century Perspective on the Geology of the Carolina Terrane in Central North Carolina*: Carolina Geological Society, Field Trip Guidebook: 185-192.
- Martin, A.J.**, Rich, T.H., Hall, M., Vickers-Rich, P., and Vasquez-Prokopec, G. 2012. A polar dinosaur-track assemblage from the Eumeralla Formation (Albian), Victoria, Australia. *Alcheringa: An Australasian Journal of Palaeontology*, 36: 171-188.
- Martin, A.J.**, and Rindsberg, A.K. 2011. Ichnological diagnosis of ancient storm-washover fans, Yellow Banks Bluff, St. Catherines Island. In Bishop, G.A., Rollin, H.B., and Thomas, D.H. (editors), *Geoarchaeology of St. Catherines Island, Georgia*. Anthropological Papers of the American Museum of Natural History, No. 94: 114-127.

- Martin, A.J.**, and Varricchio, D.J. 2011. Paleoeological utility of insect trace fossils in dinosaur nesting sites of the Two Medicine Formation (Campanian), Choteau, Montana. *Historical Biology*, 23: 15-25.
- Martin, A.J.**, Vazquez-Prokopec, G.M., and Page, M. 2010. First known feeding trace of the Eocene bottom-dwelling fish *Notogoneus osculus* and its paleontological significance. *PLoS One*, 5: <http://dx.plos.org/10.1371/journal.pone.0010420>.
- Tacker, R.C., **Martin, A.J.**, and Weaver, P.G. 2010. Trace fossils versus body fossils: *Oldhamia recta* revisited. *Precambrian Research*, 178: 43-50.
- Martin, A.J.** 2009. Neoichnology of an Arctic fluvial point bar, Colville River, Alaska (USA). *Geological Quarterly*, 53: 383-396.
- Pienkowski, G., **Martin, A.J.**, and Meyer, C.A. (editors). 2009. Preface. Special Issue, Second International Congress on Ichnology (Ichnia 2008). *Geological Quarterly*, 53: 369-371.
- Martin, A.J.** 2009. Applications of trace fossils to interpreting paleoenvironments and sequence stratigraphy. In Duncan, M.S., and Kath, R.L. (editors), *Fall Line Geology of East Georgia: With a Special Emphasis on the Upper Eocene*, Georgia Geological Society Guidebook, 29: 35-42.
- Martin, A.J.** 2009. Dinosaur burrows in the Otway Group (Albian) of Victoria, Australia and their relation to Cretaceous polar environments. *Cretaceous Research*, 30: 1223-1237.
- Martin, A.J.**, Rich, T.H., Poore, G.C.B., Schultz, M.B., Austin, C.M., Kool, L., and Vickers-Rich, P. 2008. Fossil evidence from Australia for oldest known freshwater crayfish in Gondwana. *Gondwana Research*, 14: 287-296.
- Varricchio, D.J., **Martin, A. J.**, and Katsura, Y. 2007. First trace and body fossil evidence of a burrowing, denning dinosaur. *Proceedings of the Royal Society of London B*, 274: 1361-1368.
- Martin, A.J.**, and Rindsberg, A.K. 2007. Arthropod tracemakers of *Nereites*? Neoichnological observations of juvenile limulids and their paleoichnological applications. In Miller, W.M., III (editor), *Trace Fossils: Concepts, Problems, Prospects*, Elsevier, Amsterdam: 478-491.
- Gregory, M.R., Campbell, K.A., Zuraida, R., and **Martin, A.J.** 2006. Plant traces resembling *Skolithos*. *Ichnos*, 13: 205-216.
- Martin, A.J.** 2006. Resting traces of *Ocypode quadrata* associated with hydration and respiration: Sapelo Island, Georgia, USA. *Ichnos*, 13: 57-67.
- Martin, A.J.** 2006. A composite trace fossil of decapod and hymenopteran origin from the Rice Bay Formation (Holocene), San Salvador, Bahamas. In Gamble, D., and Davis, R.L. (editors), *12<sup>th</sup> Symposium of the Geology of the Bahamas and Other Carbonate Regions*, Gerace Research Center, San Salvador, Bahamas: 99-112.
- Buatois, L.A., Gingras, M.K., MacEachern, J., Mángano, M.G., Zonneveld, J.-P., Pemberton, S. G., Netto, R.G., and **Martin, A.J.** 2005. Colonization of brackish-water systems through time: Evidence from the trace-fossil record. *Palaios*, 20: 321-347.
- Martin, A.J.**, and Pyenson, N.D. 2005. Behavioral significance of vertebrate trace fossils from the Union Chapel Mine Site. In Buta, R. J., Rindsberg, A.K., and Kopaska-Merkel, D.C. (editors), *Pennsylvanian Footprints in the Black Warrior Basin of Alabama*, Alabama Paleontological Society, Monograph No. 1, Birmingham, Alabama: 59-73.
- Buta, R.J., Kopaska-Merkel, D.C., Rindsberg, A.K., and **Martin, A.J.** 2005. Atlas of Union Chapel Mine invertebrate trackways and other traces. In Buta, R.J., Rindsberg, A.K., and Kopaska-Merkel, D.C. (editors), *Pennsylvanian Footprints in the Black Warrior Basin of Alabama*, Alabama Paleontological Society, Monograph No. 1, Birmingham, Alabama: 277-337.
- Gregory, M.R., **Martin, A.J.**, and Campbell, K.A. 2004. Composite trace fossils formed by plant and animal behavior in the Quaternary of northern New Zealand and Sapelo Island, Georgia

- (USA). *Fossils and Strata*, 51: 88-105.
- Hasiotis, S.T., Wellner, R.W., **Martin, A.J.**, and Demko, T.M. 2004. Vertebrate burrows from Triassic and Jurassic continental deposits of North America and Antarctica: their paleoenvironmental and paleoecological significance. *Ichnos*, 11: 103-124.
- Bromley, R.G., Uchman, A., Gregory, M.R., and **Martin, A.J.** 2003. *Hillichnus lobosensis* igen. et isp. nov., a complex trace fossil produced by tellinacean bivalves, Paleocene, Monterey, California, U.S.A. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Special Issue (Complex Trace Fossils), 192: 157-186.
- Curran, H.A., and **Martin, A.J.** 2003. Intertidal mounds of tropical callianassids provide substrates for complex upogebiid shrimp burrows: Modern and Pleistocene examples from the Bahamas. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Special Issue (Complex Trace Fossils), 192: 229-245.
- Rindsberg, A.K., and **Martin, A.J.** *Arthropycus* and the problem of compound trace fossils. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Special Issue (Complex Trace Fossils), 192: 187-219.
- Martin, A.J.** 2002. Dinosaur evolution: From where did they come and where did they go? In Scotchmoor, J.D., Breithaupt, B.H., Springer, D.A., and Fiorillo, A.R. (editors), *Dinosaurs: The Science Behind the Stories*, American Geological Institute, Alexandria, Virginia: 23-30.
- Martin, A.J.** 1999. Fossil upogebiid burrows and their geologic significance: Grotto Beach Formation (Pleistocene), San Salvador, Bahamas. In Curran, H.A., and Mylroie, J.E. (editors), *Proceedings of the 9<sup>th</sup> Symposium on the Geology of the Bahamas and Other Carbonate Regions*, Bahamian Field Station, San Salvador: 81-92.
- Hasiotis, S.T., and **Martin, A.J.** 1999. Probable reptile nests from the Upper Triassic Chinle Formation, Petrified Forest National Park, Arizona. In Santucci, V. L., and McClelland, L. (editors), *National Park Service Paleontological Research Volume 4*, Geologic Resources Division Technical Report NPS/NRGRD/GRDTR-99/03: 85-90.
- Martin, A.J.**, and Hasiotis, S.T. 1998. Vertebrate tracks and their significance in the Chinle Formation (Late Triassic), Petrified Forest National Park, Arizona. In Santucci, V. (editor), *National Park Service Paleontological Research Volume 3*, Geologic Resource Division Technical Report NPS/NRGRD/GRDTR-98/01: 138-143.
- Wahl, A., **Martin, A.J.**, and Hasiotis, S.T. 1998. Vertebrate coprolites and coprophagy traces, Chinle Formation (Late Triassic), Petrified Forest National Park, Arizona. In Santucci, V. (editor), *National Park Service Paleontological Research Volume 3*, Geologic Resource Division Technical Report NPS/NRGRD/GRDTR-98/01: 144-148.
- Martin, A.J.**, and Crawford, R.F., III. 1996. Trace fossils in the Pinelog Formation, Piedmont-Blue Ridge, Georgia, and their application to sedimentology, stratigraphy, and structural geology. *Georgia Geological Society Guidebook*, 16: 89-96.
- Moon, J.W., and **Martin, A.J.** 1994. Trace fossils and ichnofacies of the Lower Ordovician Mungok Formation, Yeongweol, Kangweondo, Korea. *KORDI Research Papers*, 11:1421-1432.
- Martin, A.J.** 1992. Semiquantitative and statistical analysis of bioturbate textures in the Sequatchie Formation (Upper Ordovician), Georgia and Tennessee. U.S.A. *Ichnos*, 2: 117-136.
- Martin, A.J.** 1992. Peritidal and estuarine facies in the Shellmound and Mannie Shale Members, Sequatchie Formation. In Chowns, T.M., and O'Connor, B.J. (editors), *Cambro-Ordovician Strata in Northwest Georgia and Southeast Tennessee; The Knox Group and the Sequatchie Formation*, Georgia Geological Society Guidebook, 12: 107-124.



**Martin, A.J.** 1992. Stratigraphy and depositional environments of the Sequatchie Formation. In Chowns, T.M., and O'Connor, B.J. (editors), *Cambro-Ordovician Strata in Northwest Georgia and Southeast Tennessee; The Knox Group and the Sequatchie Formation*, Georgia Geological Society Guidebook, 12: 89-106.

### ARTICLES IN PROGRESS

Gouramanis, C., **Martin, A.J.**, and Webb, J.A. Giant myriapod burrows (*Beaconites grampiansensis*) in Late Silurian fluvial channels from the Grampians Group, Western Victoria (Australia). Submitted to *Alcheringa* on October 21, 2018.

Krumenacker, L.J., Varricchio, D.J., Wilson, J., **Martin, A.J.**, and Ferguson, A. Taphonomy of *Oryctodromeus cubicularis* from the mid-Cretaceous (Albian-Cenomanian) of Idaho, and additional *Oryctodromeus* burrows from Idaho and Montana. Submitted to *Palaeogeography, Palaeoclimatology, Palaeoecology* in September, 2018.

**Martin, A.J.**, Stearns, D., Whitten, M., Page, M., Basu, A., and Hage, M. First known trace fossil evidence of an iguana nest (Pleistocene), The Bahamas. To be submitted to *PLoS One* by December 2018.

### ABSTRACTS IN PROCEEDINGS VOLUMES (in chronological order, since 2012)

**Martin, A.J.**, Kirkland, J.I., DeBlieux, D.D., Santucci, V.L., Milner, A.R.C., Suarez, C., Suarez, M.B. 2018. Probable avian feeding trace fossils from the Cedar Mountain Formation (Lower Cretaceous), Utah USA. *Geological Society of America Abstracts with Programs*, 50(6).

Boan, P.C., Tacker, R.C., **Martin, A.J.**, Knapp, J.H. 2018. Possible trace fossils from the Early Edicaran (620 MA) of North Carolina, or tectonic pseudofossils? *Geological Society of America Abstracts with Programs*, 50(6).

**Martin, A.J.** 2018. Knobbed whelks, dwarf clams, amphipods, and shorebirds: a neoichnological love story. *Geological Society of America Abstracts with Programs*, 50(3).

Moore, J.C., **Martin, A.J.**, and Page, M. 2018. Shifting shorelines on Wolf and Egg Islands, Georgia, USA. *Geological Society of America Abstracts with Programs*, 50(3).

**Martin, A.J.** 2018. Ghost crabs as evolutionary exemplars of how to live between two worlds. *Southeastern Evolutionary Perspectives* (SEEPS), Georgia Southern University, Savannah, Georgia, v. 3.

**Martin, A.J.**, Page, M., Bransford, S., Salinas, A., and Tullos, A. 2017. The Georgia Coast Atlas: a multi-faceted digital scholarship project intended for students and the public. *Geological Society of America Abstracts with Programs*, 49(3).

**Martin, A.J.** 2017. The evolution underground: how burrows helped animals to survive mass extinctions, diversity, and change the earth. *Southeastern Evolutionary Perspectives* (SEEPS), University of Alabama, Tuscaloosa, Alabama, 2: 15.

Farlow, J.O., Robinson, N.J., Kumagai, C.J., Paladino, F.V., Falkingham, P.L., Elsey, R.M., and **Martin, A.J.** 2016. Trackways of the American crocodile (*Crocodylus acutus*), northwest Costa Rica: implications for archosaurian ichnology. *Journal of Vertebrate Paleontology*, 36 [Suppl. To No. 3]: 133.

**Martin, A.J.**, Rich, T.H., Vickers-Rich, P., Trusler, P., Kool, L., and Hall, M. 2016. Circumpolar fluvial trace fossils from Lower Cretaceous Strata of Victoria, Australia: a ten-year summary report. *4<sup>th</sup> International Congress on Ichnology Abstracts and Program*, Lisbon, Portugal.

**Martin, A.J.**, and Varricchio, D.J. 2016. Continental ichnofacies of the Two Medicine Formation (Late Cretaceous, Montana USA) and their paleoecological significance. *4<sup>th</sup> International Congress on Ichnology Abstracts and Program*, Lisbon, Portugal.

- Panascí, G., Varricchio, D.J., and **Martin, A.J.** 2016. First occurrence of *Pallichnus dakotensis* in a dinosaur nesting site from the Two Medicine Formation (Campanian, Upper Cretaceous) of North America. *4<sup>th</sup> International Congress on Ichnology Abstracts and Program*, Lisbon, Portugal.
- Rindsberg, A.K., **Martin, A.J.**, and Henderson, S.W. 2016. The ichnologic heritage of Robert W. Frey (1938-1992). *4<sup>th</sup> International Congress on Ichnology Abstracts and Program*, Lisbon, Portugal.
- Farlow, J.O., Robinson, N.J., Paladino, F.V., Falkingham, P.K., and **Martin, A.J.** 2016. Trackways of the American crocodile, northwestern Costa Rica: implications for crocodylian ichnology. *131st Annual Meeting, Indiana Academy of Science, Abstracts*: 57.
- Martin, A.J.**, and Rindsberg, A.K. 2016. Trace fossils and ichnology as an integral part of evolutionary studies and education. *Southeastern Evolutionary Perspectives (SEEPS) Meeting*, University of Alabama, Tuscaloosa, Alabama.
- Rindsberg, A.K., and **Martin, A.J.** 2016. Implications of behavioral evolution for the taxonomy of trace fossils. *Southeastern Evolutionary Perspectives (SEEPS) Meeting*, University of Alabama, Tuscaloosa, Alabama.
- Schowalter, R.E., and **Martin, A.J.** 2016. Improv-ing your teaching and learning of evolution. *Southeastern Evolutionary Perspectives (SEEPS) Meeting*, University of Alabama, Tuscaloosa, Alabama.
- Martin, A.J.** 2015. Signs of life on an “anoxic” lake bottom: fish and invertebrate feeding traces in deep-water facies of the Green River Formation (early Eocene), Wyoming USA. *Geological Society of America Abstracts with Programs*, 47(7).
- Martin, A.J.**, and Varricchio, D.J. 2015. Insects using one another during the Late Cretaceous: trace fossil evidence of parasitoid (or was it cleptoparasite?) behavior in the Two Medicine Formation, Montana. *Geological Society of America Abstracts with Programs*, 47(7).
- Freimuth, W.J., Varricchio, D.J., and **Martin, A.J.** 2015. Using invertebrate traces to assess sedimentation at a rich terrestrial vertebrate locality from the Cretaceous of Montana. *Geological Society of America Abstracts with Programs*, 47(7).
- Martin, A.J.**, Vickers-Rich, P., Rich, T.H., and Trusler, P. 2015. Trace fossils from the Valanginian-Albian of Victoria, Australia and what they tell us about vertebrates in Early Cretaceous polar environments. *Journal of Vertebrate Paleontology* 35 [Suppl. To No. 3]: 175.
- Rindsberg, A.K., and **Martin, A.J.** 2015. Ichnology of horseshoe crabs (Limuloidea) in modern and ancient environments. *Journal of the Alabama Academy of Science*, 85: 31.
- Martin, A.J.**, Page, M., Vance, R.K., and Skaggs, S. 2015. Big burrows of alligators change ecosystems, help alligators survive cold winters, droughts, and fires, and allow them to be terrestrial predators. *Geological Society of America Abstracts with Programs*, 47(2): 21.
- Broecker, C., **Martin, A.J.**, and Rindsberg, A.K. 2015. Ichnodiversity vs. species diversity: variability in trace fossils of the Pennington Formation (Lower Carboniferous), northwest Georgia. *Geological Society of America Abstracts with Programs*, 47(2): 20.
- Dattilo, B.F., Freeman, R.L., Heimbrock, W., **Martin, A.J.**, and Argast, A.S. 2014. Giants among micromorphs: phosphatic steinkerns are small because of taphonomic size-selectivity, not ecological stress. *Geological Society of America Abstracts with Programs*, 46(6): 629.
- Martin, A.J.**, Kirkand, J.I., Milner, A.R.C., and Santucci, V.L. 2014. Vertebrate feeding trace fossils in the Cedar Mountain Formation (Lower Cretaceous), Arches National Park, Utah: bird, pterosaur, or unknown tracemaker? *Journal of Vertebrate Paleontology*, 34 [Suppl. to No. 3]: 179.

- Martin, A.J.** 2014. Trace fossil of a walking fish from the Pottsville Formation (Late Carboniferous) of Alabama. *Geological Society of America Abstracts with Programs*, 46(3): 86.
- Whitten, M.J., and **Martin, A.J.** 2014. GIS mapping of raccoon (*Procyon lotor*) trails and associated invertebrate and vertebrate traces in storm-washover fans, St. Catherines Island, Georgia. *Geological Society of America Abstracts with Programs*, 46(3): 87.
- Martin, A.J.**, Rich, T.H., Vickers-Rich, P., Hall, M., Kool, L., and Trusler, P. 2014. The Great Cretaceous Walk: an ichnological survey of Lower Cretaceous strata in Victoria, Australia and implications for Gondwanan paleontology. *10<sup>th</sup> North American Paleontological Convention Abstract Book*, The Paleontological Society Special Publications, 13: 63.
- Weaver, P.G., **Martin, A.J.**, and Tacker, R.C. 2014. Early bulldozers and imposters: a re-examination of trace fossils from the Albemarle Group, Carolina Terrane of North Carolina. *10<sup>th</sup> North American Paleontological Convention Abstract Book*, The Paleontological Society Special Publications, 13: 147.
- Martin, A.J.**, Dattilo, B., Blair, M., Howald, S., and Farlow, J.O. 2013. Invertebrate Burrows and Dinosaur Tracks, Destroying One Another (Or Not): Composite Ichnofabrics in the Glen Rose Formation (Albian), Texas, USA. In Demircan, H. (editor), *XII International Ichnofabric Workshop Abstracts*, Çannakale, Turkey: 56-57.
- Farlow, J.O., Dattilo, B., Kuban, G.J., Falkingham, P., **Martin, A.J.**, and O'Brien, M. 2013. Occurrence and features of dinosaur trackways of the Paluxy River Valley (Lower Glen Rose Formation, Lower Cretaceous), Somervell County, Texas. *128th Annual Meeting Program, Indiana Academy of Science*: 14.
- Dattilo, B., Howald, S.C., Farlow, J.O., and **Martin, A.J.** 2012. How many track horizons are exposed at Dinosaur Valley State Park? Stratigraphy of the Cretaceous Glen Rose Formation track sites of the Paluxy River, Glen Rose, Texas. *Geological Society of America Abstracts with Programs*, 44(7): 132.
- Blair, M., Dattilo, B., **Martin, A.J.**, and Farlow, J.O. 2012. Microstratigraphic analysis of burrow-reworked dinosaur track bed at Joanna's track site, Cretaceous Glen Rose Formation, Glen Rose, Texas. *Geological Society of America Abstracts with Programs*, 44(7): 399.
- Martin, A.J.**, Page, M., Vance, R.K., and Skaggs, S. 2012. Dens of the American alligator (*Alligator mississippiensis*) as traces and their predictive value for finding large archosaur burrows in the geologic record. *Journal of Vertebrate Paleontology*, 32 [Suppl. to No. 3]: 136.
- Martin, A.J.** 2012. Toward one neoichnology: the Georgia barrier islands as exemplars for integrated study of modern continental and marine traces and ichnoassemblages. *The 3<sup>rd</sup> International Congress on Ichnology, Abstract Book*. Memorial University, St. Johns, Newfoundland, Canada: 61.
- Rindsberg, A.K., and **Martin, A.J.** 2012. Caster's plasters: Kenneth Caster's neoichnologic experiments on limulids in the 1930s. *Ichnia 2012, The 3<sup>rd</sup> International Congress on Ichnology, Abstract Book*. Memorial University, St. Johns, Newfoundland, Canada: 78
- Martin, A.J.** 2012. Intersections between ichnology and invasion ecology on the Georgia barrier islands, with applications to conservation biology. *Geological Society of America Abstracts with Programs*, 44(4): 76.

#### EDITED VOLUMES

- Pienkowski, G., **Martin, A.J.**, and Meyer, C.A. (editors). 2010. Advances in Marginal-Marine and Non-Marine Ichnology (Special Issue), *Geological Quarterly*, Polish Geological Institute, 53.



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**Martin, A.J.** (editor). 2003. *Permo-Carboniferous Ichnology Workshop (Abstract Volume)*. Alabama Museum of Natural History, Tuscaloosa, Alabama: 76 p.

#### **PUBLIC-OUTREACH COURSE (DVD)**

**Martin, A.J.**, and Hawks, J. 2010. *Major Transitions in Evolution*. *The Great Courses (The Teaching Company)*, Chantilly, Virginia: 24 lectures on DVD and course guidebook, 116 p. Course co-taught with paleoanthropologist John Hawks; I wrote and delivered Lectures 1-17, he wrote and delivered Lectures 18-23, and we collaborated on Lecture 24.

#### **SCIENCE COMMUNICATION, OUTREACH, ONLINE PUBLICATIONS**

Communications Officer, Paleontological Society, 2016-2019. Directing content and public-outreach efforts through the Paleontological Society Web site ([www.paleosoc.org](http://www.paleosoc.org)) and online social media.

[The Georgia Coast Atlas](#). Series of videos, interviews, voice-overs, blog posts, and other digital content done for online atlas project on the natural history of the Georgia barrier islands, intended for public outreach and education. Project started in July 2015, using Sapelo Island (Georgia) as a pilot project.

[Life Traces of the Georgia Coast](#), Web site developed as promotional site for book of same name, but also done for public science-outreach through a regularly updated blog about Georgia-coast ichnology and ecology, and general paleontology. More than 258,000 page views since August 2011, averaging ~100 views/day as of October 2018.

[Evidence at Emory – Environmental Sciences](#). Video produced by the Quality Enhancement Plan of Emory University as part of their “Evidence at Emory” theme, exploring basic scientific reasoning through trace evidence in the field. Video was required viewing of all incoming first-year students at Emory starting in August 2016.

Fernbank Museum of Natural History (Atlanta, Georgia), April 28, 2018 Volunteered as “Ask a Paleontologist” for “Stones and Bones Day” April 28, 2018, and with opening of *World’s Largest Dinosaurs* display on September 17, 2016, talking with children and parents about paleontology.

Dahlongega Science Festival: invited to participate in panel discussion on astrobiology and give talks about two of my books, *The Evolution Underground* and *Dinosaurs Without Bones*, Dahlongega, Georgia, March 24-25, 2018.

Atlanta Science Festival: co-organized and co-led workshop on science communication, *Communicating the Facts, More than a Feeling*, Atlanta, Georgia, March 23, 2018.

Southeastern Evolutionary Perspectives (SEEPS):

Georgia Adopt-a-Stream Confluence, led workshop on traces and ichnology for stream-monitoring volunteers, Gwinnett Environmental Center, Buford, Georgia, March 25, 2017.

Atlanta Science Festival, hosted talk and discussion on science of the movie *Tremors* (1990), screened at Fernbank Museum of Natural History: Atlanta, Georgia, March 19, 2017.

Atlanta Science Festival, invited to participate in [The Story Collider](#) as one of five storytellers on stage: Highland Ballroom, Atlanta, Georgia, March 16, 2017.

Atlanta Science Festival 2016. Delivered lecture at Emory University, *Our Future: Life Traces of the Georgia Coast*, for a series of Emory-faculty TED-style talks on the theme of *Living in the Anthropocene*: March 19, 2016.

Atlanta Science Festival 2016. Co-led two-hour workshop, *Improv-ing Evolution*, on using improvisational voice and body-movement exercises to learn and teach basic concepts in evolutionary theory; open to all ages, but mostly intended for teens-adults: March 20, 2016.

Anthony Martin

**Martin, A.J.** 2015. [Beyond Dinosaurs, What Would We Need to Create a Jurassic World?](#) *The Conversation*, June 12, 2015, and reprinted in *The Guardian*, *The New Republic*, and *Quartz*, with 100,000+ views as of August 2015.

Weaver, P. and **Martin, A.J.** 2015. [Inside N.C. Science: Ichnologists Investigate Creature Clues.](#) *Charlotte Observer*, March 16, 2015.

*Ichnologist* on Twitter since 2010, with 4,600+ followers and 52,000+ tweets by November 2018.

*Past Time: A Paleontology Podcast*. Participated in podcast interview, [Episode 13: Following in the Footsteps of Dinosaurs](#), first broadcast July 18, 2014.

*Palaeocast: Palaeontology Podcasts*. Participated in a two-part podcast interview, [Episode 14: Trace Fossils](#), first broadcast April 1, 2013.

Guest blog post on *Wonders & Marvels* (blog maintained by Holly Tucker, Vanderbilt University): [The Broken Mirror](#), January 22, 2013.

News videos produced through Emory University: (1) [Polar Dinosaur Tracks Found in Australia](#), uploaded June 9, 2011; more than 13,300 views. (2) [Ecology of St. Catherines Island](#), uploaded August 23, 2010; more than 5,300 views. (3) [Dinosaur Burrow: Oldest Evidence Found in Australia](#), uploaded July 8, 2009; more than 33,000 views.

[The Paleontology Portal \(Georgia\)](#), authored section on general paleontology of Georgia.

#### **RECOGNITION FOR SCHOLARSHIP, OUTREACH: AWARDS AND NOMINATIONS**

Fellow, [Geological Society of America](#), elected in 2015.

Fellow, [The Explorers Club](#), elected in 2015.

Nominated for AAAS (American Association for Advancement of Science) Award for Public Engagement with Science, 2015.

Nominated for 2014 Southern Environmental Law Center's Reed Environmental Writing Award for book *Life Traces of the Georgia Coast: Revealing the Unseen Lives of Plants and Animals*.

Nominated for 2015 AAAS/Subaru SB&F Prize for Excellence in Science Books, Young Adult Category, for *Dinosaurs Without Bones: Dinosaur Lives Revealed by Their Trace Fossils*.

Co-winner of Paleontology Award 2008, international award for best paper in paleontology, given by the Fundación Conjunto Paleontológico de Teruel-Dinópolis (Spain), for paper *First Trace and Body Fossil Evidence of a Burrowing, Denning Dinosaur*, published in *Proceedings of the Royal Society of London B* in 2007.

#### **RECOGNITION FOR TEACHING: AWARDS AND NOMINATIONS**

Selected as participating faculty in Quality Enhancement Program Workshop (Emory University), *The Nature of Evidence*, May 2015.

Chosen as lecturer by [The Great Courses](#) (Chantilly, Virginia) for course titled *Major Transitions in Evolution*, released on DVD in October 2010.

Phi Beta Kappa, selected as professor exemplifying excellence in teaching, Emory College, spring 2008.

Center for Teaching and Curriculum Excellence in Teaching Award, Emory College, 2007.

Participating faculty in Emory University's Science Experience Abroad (SEA), recognized as a "Best Practice" in international education by the Institute of International Educators (IIE); 2007 Andrew Heiskell Award for Innovations in International Education.

Nominated for Williams Excellence in Teaching Award and Center for Teaching and Curriculum Excellence in Teaching Award, Emory College: 2005, 2006, and 2007.

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Winship Award, 2005-2006, Center for Teaching and Curriculum, Emory University, for project titled: *Educational Enhancement of Environmental Studies Courses through Incorporation of Indigenous Australian Tracking Perspectives*; awarded a one-semester sabbatical for teaching development, conducted at Monash University, Melbourne, Australia.

Student Government Association (Emory), recognition for excellent teaching, 1995 and 1997.

Excellence in Teaching by Alpha Epsilon Upsilon honor society, Emory University, 1994.

Outstanding Graduate Teaching Assistant award, University of Georgia, 1989.

## **RESEARCH COLLABORATIONS**

Emory Center for Digital Scholarship (Emory University), research project initially titled *The Georgia Coast: A Sense of Place and Time*, started in July 2015 and ongoing, done collaboratively with staff at the Center. Pilot project currently focused on natural and human history of Sapelo Island (Georgia) and other Georgia barrier islands; includes drone footage, videography, audio, photos, and peer-reviewed academic content. Pilot project published as the Georgia Coast Atlas on open-access Web site in March 2016: [www.georgiacoastatlas.org](http://www.georgiacoastatlas.org)

Team member of NSF research project (with Montana State University) at “Egg Mountain,” dinosaur nesting site near Choteau, Montana for summer 2014; invited by David Varricchio (PI for NSF grant).

Team member of National Geographic Society-sponsored IUP-Ft. Wayne (Indiana) dinosaur track expedition to Glen Rose, Texas, July 2012; invited by James O. Farlow, (PI for NGS grant); three coauthored research articles published thus far, two more in progress.

Research Collaborator, Australian Research Council (ARC) Linkage Grant LP0775020 (2006-7), *A New Approach to the Collection of a Large Suite of Dinosaur Specimens (“Dinosaurs on Ice”)*; primary investigators Thomas H. Rich (Museum of Victoria) and Patricia Vickers-Rich (Monash University); research role as ichnologist in investigating Liscomb dinosaur bone bed in Prince Creek Formation (Upper Cretaceous), North Slope, Alaska, August, 2007.

Research Associate in Paleontology, North Carolina Museum of Natural Sciences (Raleigh); research on Ediacaran fossils from the Carolina Terrane: ongoing.

## **GRANT APPLICATIONS SUBMITTED (since 2009)**

National Endowment for the Humanities, Digital Humanities Advancement Grant, \$192,263, for Georgia Coast Atlas project. Submitted January 11, 2017; rejected in September 2017, but encouraged to resubmit.

Georgia Department of Natural Resources (DNR) Coastal Incentive Grant, \$119,356, for Georgia Coast Atlas project. Submitted February 17, 2017, rejected in May 2017, but encouraged to resubmit.

Georgia Pacific Foundation Grant, submitted in October 2016 for \$16,000, for Georgia Coast Atlas project. Rejected in March 2017.

Dobbs Foundation Grant, letter of inquiry (LOI, pre-proposal) submitted March 2016 for Georgia Coast Atlas project. two-year \$50,000 grant; rejected in July 2016.

Emory Center for Digital Scholarship, *The Georgia Coast: A Sense of Place and Time*, \$3,000, awarded in September 2015. Resulting pilot project (prototype) was used to apply for external funding (foundation grants) in 2016.

ARC (Australian Research Council), Participating Investigator on grant proposal by Principal Investigator John Long (Flinders University, Adelaide, Australia), *Resolving Evolutionary Problems and Ecological Settings for the Greatest Step in Evolution: The Fish-Tetrapod Transition*; submitted in January, 2015, grant accepted, research started in 2016.

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Center for Creativity and the Arts grant, Emory University, *The Art and Science of Ray Troll: A Visual Celebration of Evolution and Natural History*, spring semester, 2009: \$3,000.

#### **DEPARTMENTAL AND UNIVERSITY SERVICE**

Graduate Admissions Committee, Department of Environmental Sciences, 2018-present.

Center for Faculty Development and Excellence, member of Faculty Advisory Board, 2015-2017.

Lecture-Track Faculty Mentoring Committees, Department of Environmental Sciences, 2015-2017.

Honors Coordinator, Department of Environmental Sciences, 2010-2015.

Emory Scholars Review Committee, January 2015.

Emory College of Arts and Sciences Governance Committee, 2011-2014.

Study-Abroad Coordinator, Department of Environmental Studies, 2008-2014.

Curriculum Committee, Department of Environmental Studies, 2008-2013.

Faculty participant, Center for Science Education workshop for Teacher Evolution Workshop, July 2009.

Williams/Center for Teaching and Curriculum, Teaching Award Committee, 2008.

Rhodes Scholarship Committee, 2007.

Education Abroad Committee, Center for International Programs Abroad, Emory University, 2006-2009; chair, Fall, 2008.

Science Education Abroad Committee, Center for International Programs Abroad, 2007.

Marshall Scholarship Committee, Emory University, 2006.

Organizer of Department of Environmental Studies seminar series, 2003-2005. Invited, scheduled, and hosted speakers in a wide variety of topics in environmental studies from the natural sciences, social sciences, and humanities.

Freshman Advising and Mentoring at Emory, faculty leader and freshman advisor, 1993-2006.

Member of Faculty Senate Committee on the Environment, 1991-2002.

#### **PROFESSIONAL MEMBERSHIPS**

Geological Society of America, Elected Fellow in 2015.

Explorers Club, Elected Fellow in 2015.

International Ichthyological Society

Paleontological Society

Society of Vertebrate Paleontology

#### **CONTINUING EDUCATION (Since 2009)**

2018 – Paleontological Society short course, *Pedagogy and Technology in the Modern Paleontology Classroom*, Geological Society of America annual meeting, Indianapolis, Indiana, November 2018; Society of Vertebrate Paleontology workshop, *Science through Multimedia Stories*, Albuquerque, New Mexico, October 2018; Geological Society of America meeting (Southeastern Section), Knoxville, Tennessee, April 2018; Southeastern Evolutionary Perspectives (SEEPS) conference, Savannah, Georgia, February 2018; *Choosing to Lead* conference (One Hundred Miles), Jekyll Island, Georgia, January 2018;

2017 – Geological Society of America meeting (Southeastern Section), Richmond, Virginia, March 2017; Adopt-a-Stream of Georgia Confluence meeting, Gwinnett County, Georgia; Southeastern Evolutionary Perspectives (SEEPS) meeting, University of Alabama (Tuscaloosa, Alabama), February 2017.

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- 2016 – Emory University Teaching Intensive Workshops, Atlanta, Georgia, August 2016; Project FOSSIL paleontology mini-conference and field trips, Cincinnati, Ohio, June 2016; International Ichnological Congress (Ichnia) and field trips, Portugal, May 2016; Explorers Club annual meeting, New York (New York), March 2016; Coastal Nature, Coastal Culture Symposium, Savannah, Georgia, February 2016; Southeastern Evolutionary Perspectives (SEEPS) meeting, University of Alabama (Tuscaloosa, Alabama), February 2016.
- 2015 – Geological Society of America meeting, November 2015; Society of Vertebrate Paleontology, field trip to central Texas (Dinosaur Valley State Park, Arlington Archosaur Site) and meeting in Dallas, Texas, October 2015; The Great Courses Professor Summit and Educational Conference, Charlottesville, Virginia, June 2015; Geological Society of America (Southeastern Section), Chattanooga, Tennessee, March 2015, co-chaired session *Traces Then and Now: One Ichnology*, co-sponsored by Paleontological Society.
- 2014 – North American Paleontological Convention, Gainesville, Florida, February 2014; Science Online 2014, Raleigh, North Carolina, February 2014; Geological Society of America (Southeastern Section) meeting, Blacksburg, Virginia, April 2014; Society of Vertebrate Paleontology, Berlin, Germany, November 2014.
- 2013 – International Ichnofabric Workshop, conference and field trip to Paleogene-Neogene strata near Çannakale, Turkey, July 2013; SymbASA conference (invited speaker), Warren Wilson College, Asheville, North Carolina; *Science and Storytelling* writing workshop, AJC-Decatur Book Festival, Decatur, Georgia, August 2013.
- 2012 – *Ichnia* 2012 field trip, ichnology and paleontology of the Ediacaran-Cambrian transition field trip, and field trip to Bell Island, ichnology of Lower Ordovician strata, both trips Newfoundland, Canada, August 2012; media and science-communication workshops with documentary-film director Randy Olson, Georgia Tech University, April 2012.
- 2011 – Society of Vertebrate Paleontology field trip, Triassic-Jurassic rocks and dinosaur tracks of southern Utah and northern Arizona, October-November 2011.
- 2010 – Society of Vertebrate Paleontology field trip, Devonian environments of the Catskill Formation, Pennsylvania, October 2010; poster presentation in Education and Outreach session at Society of Vertebrate Paleontology meeting, Pittsburgh, Pennsylvania, October 2010; Atlanta Bloggers Workshop, December 2010.
- 2009 – Caldwell Conference (American Museum of Natural History), geoarchaeology field trips on St. Catherines Island, Georgia, March 2009; North American Paleontological Convention field trip, Devonian-Carboniferous strata and fossils of northern Kentucky, June 2009; Dinosaur Eggs and Babies Conference, field trip to Choteau, Montana, August 2009. Geological Society of America field trip, geology and post-eruption ecology of Mt. St. Helens (Washington) and meeting.

#### **INVITED LECTURES AND VENUES (since 2013)**

- May 10, 2018 – Coastal Wildscapes, Savannah, Georgia.
- April 28, 2018 – Fernbank Museum of Natural History “Stones and Bones” event, Atlanta, Georgia.
- March 24-25, 2018 – Dahlonega Science Festival, Dahlonega, Georgia.
- January 30, 2018 – Atlanta Geological Society, Atlanta, Georgia.
- September 3, 2017 – AJC-Decatur Book Festival, Decatur, Georgia.
- June 10, 2017 – Tellus Science Museum, Cartersville, Georgia.
- April 27, 2017 – Montana State University, Department of Earth Sciences, Bozeman, Montana.
- April 12, 2017 – Georgia College and State University, Milledgeville, Georgia.
- March 25, 2017 – Adopt-a-Stream of Georgia, Confluence Meeting, Gwinnett County, Georgia.

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March 19, 2017 – Fernbank Museum of Natural History (Atlanta Science Festival event), Atlanta, Georgia.  
March 16, 2017 – Story Collider (Atlanta Science Festival event), Atlanta, Georgia.  
March 9, 2017 – Rowan University, School of Earth and Environmental Sciences, Glassboro, New Jersey.  
February 25, 2017 – Atlanta Science Tavern, Atlanta, Georgia.  
November 15, 2016 – Center for Digital Scholarship, Brown University, Providence, Rhode Island.  
August 30, 2016 – Atlanta Geological Society, Atlanta, Georgia.  
August 1, 2016 – Dahlongega Science Café, Dahlongega, Georgia.  
June 3, 2016 – Cincinnati Museum Center, Cincinnati, Ohio; keynote speaker for [The FOSSIL Project](#) mini-conference.  
April 12, 2016 – University of West Georgia, Department of Geosciences, Carrollton, Georgia.  
March 19, 2016 – Atlanta Science Festival, Atlanta, Georgia.  
November 10, 2015 – Georgia State University, Department of Geosciences, Atlanta, Georgia.  
October 27, 2015 – University of Connecticut, Center for Integrative Geosciences, Storrs, Connecticut.  
October 19, 2015 – Emory University, Department of Environmental Sciences, Atlanta, Georgia.  
June 26, 2015 – Fernbank Museum of Natural History, Atlanta, Georgia.  
April 30, 2015 – University of Colorado Museum of Natural History, Boulder, Colorado.  
March 30, 2015 – Georgia Center for the Book, Decatur, Georgia.  
March 22, 2015 – Fernbank Museum of Natural History, Atlanta, Georgia.  
March 7, 2015 – Initiative to Protect Jekyll Island, Jekyll Island, Georgia.  
Tuscaloosa, Alabama; lecture video on Vimeo at [Anthony Martin, ALLELE Series](#).  
October 13, 2014 – Literary Society of St. Simons Island, Georgia.  
October 11, 2014 – Wormsloe State Historic Site, Savannah, Georgia.  
October 2, 2014 – [ALLELE](#) (Alabama Lectures on Life’s Evolution), University of Alabama,  
September 25, 2014 – Georgia College and State University, Department of Biology and Environmental Science, Milledgeville, Georgia.  
August 30, 2014– AJC-Decatur Book Festival, Decatur, Georgia.  
April 18, 2014 – Tellus Science Museum, Cartersville, Georgia.  
March 24, 2014 – Fernbank Museum of Natural History, Atlanta, Georgia.  
March 13, 2014 – University of Illinois, Department of Earth and Environmental Sciences, Chicago, Illinois.  
February 9, 2014 – Atlanta Science Tavern (Darwin Day), Atlanta, Georgia.  
November 9, 2013 – Georgia Literary Festival, Milledgeville, Georgia.  
September 22, 2013 – Atlanta Audubon Society, Atlanta, Georgia.  
September 3, 2013 – Georgia State University, Department of Geology, Atlanta, Georgia.  
September 1, 2013 – AJC-Decatur Book Festival, Decatur, Georgia.

#### **MEDIA INTERACTIONS (since 2009)**

2018 – [How Sea Level Rise Threatens Our History](#), September 10, 2018, WABE (90.1 FM, NPR); *The Atlantic*, [Fossilized Human Footprint Found Nestled in a Giant Sloth Footprint](#), April 25, 2018; *Science Magazine*, [Ancient Human-Sloth Hunt Hinted at in 15,000-year-old Footprints](#), April 25, 2018, both quoted in news stories about track evidence of humans hunting Pleistocene ground sloths.  
2017 – WICN (90.5 FM, NPR) with Mark Lynch of *Inquiry*, [Dinosaurs Without Bones](#), June 22, 2017, and [The Evolution Underground](#), May 4, 2017; *Scientific American* with Steve Mirsky,



- [Take the Tube: Underground as a Way of Life](#); Georgia Public Broadcasting, *Two Way Street* with Bill Nigut, March 11, 2017, [Going Underground with Paleontologist Anthony Martin](#); Sirius XM Radio, *Tell Me Everything* with John Fugelsang, February 15, 2017, interviewed about book *The Evolution Underground*.
- 2016 – *Fox 5 News Atlanta*, [Giant Dinosaurs Roar to Life in New Fernbank Exhibit](#), September 23, 2016, interviewed for TV-news piece about opening of World’s Largest Dinosaurs at Fernbank Museum, a traveling exhibit from the American Museum of Natural History; *The Smithsonian*, [Dinosaurs Literally Reshaped the Planet](#), July 15, 2016, quoted in story about dinosaurs as ecosystem engineers; *Chronicle of Higher Education*, [If Skills are the New Canon, Are Colleges Teaching Them?](#), April 4, 2016, quoted in story about evidence-based reasoning skills in Emory University courses; *Christian Science Monitor*, [Did Dinosaurs Woo Mates with Fancy Footwork?](#), *Science Magazine News*, [Dinosaurs May Have Danced Like Birds to Woo Mates](#), January 7, 2016, quoted in both stories about discovery of Cretaceous trace fossils indicating dinosaur courtship.
- 2015 – *National Geographic News*, [Huge Trove of Dinosaur Tracks Found in Scotland](#), December 1, 2015, quoted in story about discovery of sauropod tracks in Scotland; *Science Magazine News*, [Missing Link between Dinosaur Nests and Bird Nests](#), November 25, 2015, quoted in story on different nest types of dinosaurs determined by eggshells; *BBC News*, [Mapping Australia’s Dinosaur Landscape](#), September 11, 2015, quoted in story about ongoing research on dinosaur tracks of Western Australia; *WABE 90.1 (NPR)*, [Separating the Dinosaur Fact from Dinosaur Fiction](#) (with podcast), June 25, 2015; *Science Now (Science Magazine)*, quoted in story on trace fossil evidence of Cretaceous bone-boring worms, [Bone Worms Feasted on Ancient Sea Monsters](#), April 15, 2015.
- 2014 – *Science News for Students*, [Some Arctic Dinos Lived in Herds](#), quoted in story on discovery of polar dinosaurs tracks in Alaska, July 3, 2014; *The Animal House*, nationally syndicated radio show by WAMU (Washington, D.C.), interviewed about my book *Dinosaurs Without Bones*, May 24, 2014: audio link (starting at 3:30) [here](#); *Wired Magazine*, quoted in story on fossil spider tracks, [Fossil Detectives Close the Case on Prehistoric Spider Footprints](#), March 27, 2014.
- 2013 – *ABC Radio National*, *Bush Telegraph*, interviewed about discovery of oldest fossil bird tracks in Australia, [Ancient Bird Tracks Discovered](#), November 21, 2013; *ABC (Australian Broadcasting Corporation)*, *The Science Show*, interviewed about discovery of oldest fossil bird tracks in Australia, [Fossilised Dino Bird Tracks 105 Million Years Old](#), October 26, 2013; *Science Now (Science Magazine)*, quoted for story on fossil sperm-whale ambergris, [Stinky Whale Clumps, Now in Fossil Form](#), August 5, 2013.
- 2012 – *Slate*, assisted reporter (Daniel Lametti) with background information for article, [How Do Feces Get Fossilized? The Crappy Origins of the Archaeology of North America’s First People](#), July 13, 2012.
- 2011 - Panel discussion of science authors at Decatur Book Festival (Georgia), [From Page to Pub to Podcast: Science Writers Address New Venues and New Media](#), September 4, 2011; Various media venues reporting on discovery of best assemblage of polar-dinosaur tracks in the Southern Hemisphere (Martin *et al.*, 2012): *Wired Magazine*, *LiveScience*, *El Mundo*, *Smithsonian Magazine*, *Cosmos*, and *Australian Geographic*, from August 10-15, 2011, with most linking to: [Polar Dinosaur Tracks Open New Trail to the Past](#), August 9, 2011.
- 2010 – *Wired Magazine*, rated my research article as one of “[The Year’s Best Fossil Finds](#),” October 13, 2010; *New York Times (Science Times: Observatory)*, published study (Martin *et al.*, 2010) was subject of news story, [A Bottom Feeder Leaves Traces Below](#), May 10, 2010; *Science News*, January 5, 2010, quoted for commentary on discovery of oldest known fossil

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tetrapod tracks: [Footprints Could Push Back Tetrapod Origins](#).

2009 – *Discovery Channel News*, September 25, 2009, story about dinosaur burrows and other trace fossil discoveries in Victoria, Australia: [Cold, Scared Dinosaurs Dug Burrows](#); *Georgia Public Broadcasting*, radio and television interviews about dinosaurs for Dinosaur Week (September 13-20, 2009): video at [Dinosaur Week \(Georgiasaurs\)](#), audio at [Dinosaur Week on GPB Radio](#); *BBC News*, *New Scientist*, *National Geographic*, and other news outlets: news story about discovery of oldest dinosaur burrows from Australia, July 2009; *Good Morning America* (ABC), April 22, 2009, [Erosion Threatens Barrier Islands](#), interviewed in segment about effects of global warming on Jekyll Island, Georgia.

### **ARTWORK, ARTISTIC OUTREACH**

Illustrated three of my books, *The Evolution Underground* (2017, Pegasus Books), *Dinosaurs Without Bones* (2014, Pegasus Press) and *Life Traces of the Georgia Coast* (2013, Indiana University Press).

*Selections*, participating artist in show at Fernbank Museum of Natural History (Atlanta, Georgia) coordinated with traveling exhibit *Darwin* from the American Museum of Natural History. Contributions included three solo and three collaborative artworks done with Ruth Schowalter. Works in color pencil, watercolor, and acrylic, displayed September 24, 2011-January 1, 2012.

### **FOREIGN LANGUAGE TRAINING**

One year of Chinese (standard Mandarin), University of Georgia, 1988-1989.

Summer intensive course in Spanish, Universidad de Salamanca, Salamanca, Spain, 1998.

### **FIELD RESEARCH-RELATED SKILLS**

Red Cross CPR/First-Aid certified (infant, child, adult).

SCUBA certified (YMCA), Open Water I, certified 2005.

Tracking training: *The Tracker School*: Basic Tracking, 1999; Advanced Tracking and Awareness, 2000; Expert Tracking, 2002 (all in New Jersey); *Wilderness Awareness School*: Introduction to CyberTracker, 2000 (California); Wolf Tracking Expedition, 2002 (Idaho); *A Naturalist's World*, Basic Tracking, Advanced Tracking, 2005 (Montana and Wyoming). *National Outdoor Leadership School* (NOLS), Outdoor Educators course (Wyoming), 1993.