

Paul D. Brinkman, Ph.D.

North Carolina Museum of Natural Sciences • 11 W. Jones Street • Raleigh, NC 27601-1029
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Employment

North Carolina Museum of Natural Sciences, Raleigh, NC
Head, Environmental Humanities Research Lab & Curator, Spec. Coll. 2015 - present
Interim Director, Research & Collections 2020, Mar.-May 2019
Assistant Director, Paleontology & Geology Research Lab 2012 - 2015
Research Curator II, Paleontology 2006 - 2012

North Carolina State University, History Department, Raleigh, NC
Adjunct Associate Professor 2015 - present
Special Faculty 2014

Courses taught: HI 344/HON 296: *Dinomania! A cultural & scientific history of dinosaurs*
HI 482: *Darwin & Darwinism in science & society*
HI 322: *The rise of modern science*
HI 323/HON 296: *Science, American style*
HI 298: *Uncovering Earth's deep history*
HI 395: *History & natural history of the Galapagos Islands* (study abroad)
HI 498: *Independent study in history*

Courses under development: *History of plant sciences in the Carolinas*

Education

Ph.D., history of science, with a minor supporting program in museum studies,
University of Minnesota, Minneapolis, MN, December 2005

B.A., history and geography, with minors in geology and Latin American studies,
Augustana College, Rock Island, IL, May 1991

Grants

2022. The Field Museum, Gantz Family Collections Center, publication subsidy. Project title: "Now is the time to collect." \$1,000.

2022. Marie Louise Rosenthal Library at the Field Museum, publication subsidy. Project title: "Now is the time to collect." \$3,500.
2020. North Carolina State University, Office of Global Engagement, *International Travel Assistance Award*. Project title: "Developing a new study abroad opportunity in Ecuador." \$1,000.
2019. Marie Louise Rosenthal Library at the Field Museum, *Edward C. Jerkey Research Grant*. Project title: "An annotated transcription of the Daniel G. Elliot journal." \$1,500.
2019. Smithsonian Institution, *Short-Term Visiting Fellowship*. Project title: "Now is the time to collect: salvage zoology and museums at the turn of the twentieth century." \$2,000.
2013. N. C. Museum of Natural Sciences, *Research & Collections Grant*. Project title: "Wonderful Beasts: A History of the Captain Marshall Field Paleontological Expeditions to Argentina and Bolivia, 1922-1927." \$1,800.
- 2011-2012. American Philosophical Society, *Franklin Research Grant*. Project title: "A History of the Captain Marshall Field Paleontological Expeditions to Argentina and Bolivia, 1922-1927." \$6,000.
2009. History of Science Society, *NSF Travel Grant*. Project title: "Darwin's conversion reconsidered (again!)." \$1,000.

Publications

Books

[In preparation.] *Harvesting the Fruits of One's Own Labor: A History of the Field Museum's Magnificent Astrapotherium Magnum*.

2024. *Now is the Time to Collect: Daniel Elliot, Carl Akeley, & the Field Columbian Museum Zoological Expedition to Africa in 1896*. University of Alabama Press.

2010. *The Second Jurassic Dinosaur Rush: Museums & Paleontology in America at the Turn of the Twentieth Century*.* Chicago and London: University of Chicago Press.

*Nominated for the Susan E. Abrams Prize in History of Science

2004. *A Triceratops Hunt in Pioneer Wyoming: The Journals of Barnum Brown & J. P. Sams, University of Kansas Expedition of 1895*. (Co-edited with M. Kohl and L. Martin). Glendo, Wyoming: High Plains Press.

Peer-reviewed Articles and Book Chapters

- [In press.] "A history of dinosaur fieldwork on seven continents." (Co-authored with I. Nieuwland and C. Manias.) In *The Complete Dinosaur*.
2023. "The North Carolina Rolling Exposition: the most interesting aggregation of exhibitions ever crowded into a traveling conveyance." *North Carolina Historical Review* **C**(4): 402-431.
2018. "John Conrad Hansen (1869-1952) and his scientific illustrations." *Archives of Natural History* **45**(2): 233-244.
2018. "The strongest kind of competition: expanding zoology at Chicago's Field Columbian Museum, 1894-1895." *Colligo* **1**(1): 53-68. <https://perma.cc/B9BY-F9RC>
2018. "Valuable so far as it goes: establishing zoology at Chicago's Field Columbian Museum, 1893-1894." *Journal of the History of Collections* **31**(1): 93-109.
2018. "Following the lure: field experience and professional opportunities in turn-of-the-twentieth-century American vertebrate paleontology." In *Naturalists in the Field: Collecting, Recording and Preserving the Natural World from the Fifteenth to the Twenty-First Century*. Leiden and Boston: Brill Academic Publishers, pp. 775-805.
2017. "On an album of photographs recording fossils in the 'Old collections' of the Museo de La Plata and Ameghino's private collection at the beginning of the XXth century." (Co-authored with S. F. Vizcaíno, G. De Iuliis, R. F. Kay and D. L. Brinkman.) *Asociación Paleontológica Argentina Publicación Electrónica* **17**(1): 14-23.
2016. "On the objectives and results of the Handel T. Martin paleontological expedition (1903-04) to the Santa Cruz Formation in southern Patagonia." (Co-authored with S. F. Vizcaíno and R. F. Kay.) *Revista del Museo de La Plata* **1**: 316-333.
2016. "Edward Drinker Cope's final feud." *Archives of Natural History* **43**(2): 305-320.
2016. "Paleontology." In *A Companion to the History of American Science*. New York: Wiley-Blackwell, pp. 227-240.
2015. "Remarking on a blackened eye: Persifor Frazer's blow-by-blow account of a fistfight with his dear friend Edward Drinker Cope." *Endeavour* **39**(3-4): 188-192.
2015. "The 'Chicago idea': patronage, authority and scientific autonomy at the Field Columbian Museum, 1893-1897." *Museum History Journal* **8**(2): 168-187.

2015. "Voyage of the *Beagle*." In *Discoveries in Modern Science: Exploration, Invention and Technology*. New York: Macmillan Reference, vol. III, pp. 1203-1207.
2014. "A. R. Crandall's smooth green snake (*Opheodrys vernalis*) from North Carolina." (Co-authored with B. L. Stuart and J. Rosado.) *Southeastern Naturalist* **13**(4): 37-42.
2014. "Academy of Natural Sciences Philadelphia." In *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford: Oxford University Press, vol. 1, pp. 11-12.
2014. "Edward Drinker Cope." In *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford: Oxford University Press, vol. 1, pp. 217-218.
2014. "Dinosaurs." In *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford: Oxford University Press, vol. 1, pp. 249-250.
2014. "Othniel Charles Marsh." In *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford: Oxford University Press, vol. 2, pp. 24-25.
2014. "Paleontology." In *The Oxford Encyclopedia of the History of American Science, Medicine, and Technology*. Oxford: Oxford University Press, vol. 2, pp. 215-218.
2014. "Clemente Onelli's sketch map and his first-hand, retrospective account of an early fossil-hunting expedition along the Río Santa Cruz, southern Patagonia, 1888-1889." (Co-authored with S. F. Vizcaíno.) *Archives of Natural History* **41**(2): 326-337.
2013. "Red Deer River shakedown: a history of the Captain Marshall Field Paleontological Expedition to Alberta, 1922." *Earth Sciences History* **32**(2): 204-234.
2013. "Looking back with 'great satisfaction' on Charles Darwin's vertebrate paleontology." In *Cambridge Encyclopedia of Darwin and Evolutionary Thought*. Cambridge: Cambridge University Press, pp. 56-63.
2010. "The second Jurassic dinosaur rush and the dawn of dinomania." *Endeavour* **34**(3): 104-111.
2010. "Charles Darwin's *Beagle* voyage, fossil vertebrate succession, and the gradual birth & death of species." *Journal of the History of Biology* **43**(1): 363-399.
2009. "Frederic Ward Putnam, Chicago's cultural philanthropists, and the founding of the Field Museum." *Museum History Journal* **2**(1): 73-100.

2009. "Dinosaurs, museums, and the modernization of American fossil preparation at the turn of the 20th century." In *Methods in Fossil Preparation: Proceedings of the First Annual Fossil Preparation and Collections Symposium*. Petrified Forest, AZ: Petrified Forest Museum Association, pp. 21-34.
2007. "The Field Museum." In *The American Midwest: An Interpretive Encyclopedia*. Bloomington: Indiana University Press, p. 699.
2006. "Bully for *Apatosaurus*." *Endeavour* **30**(4): 126-130.
2005. "Henry Fairfield Osborn and Jurassic dinosaur reconnaissance in the San Juan Basin, along the Colorado-Utah border, 1893-1900." *Earth Sciences History* **24**(2): 159-174.
2004. "Bartholomew James Sullivan." In *The Dictionary of Nineteenth-Century British Scientists*. Bristol: Thoemmes Press, vol. IV, pp. 1944-1945.
2004. "Framing nature: Reflections on the formative years of natural history museum development in the United States." (Co-authored with S. G. Kohlstedt.) *Proceedings of the California Academy of Sciences* **55**(supplement 1): 7-33.
2003. "Bartholomew James Sullivan's discovery of fossil vertebrates in the Tertiary beds of Patagonia." *Archives of Natural History* **30**(1): 56-74.
2000. "Establishing vertebrate paleontology at Chicago's Field Columbian Museum, 1893-1898." *Archives of Natural History* **27**(1): 81-114.
1999. "Score! A method for constructing improved polyethylene foam liners for specimen trays." *Collection Forum* **13**(2): 90-92.
1996. "*Nothosaurus* Munster, 1834 (Reptilia, Sauropterygia): proposed precedence over *Conchiosaurus* Meyer, [1833]." (Co-authored with O. Rieppel.) *Bulletin of Zoological Nomenclature* **53**(4): 270-272.

Abstracts, Book Reviews and Other Publications

- [Submitted.] "The North Carolina Rolling Exposition." *NCpedia*.
- [Submitted] "Review of: *For Want of Wings: A Bird with Teeth and a Dinosaur in the Family*." *Archives of Natural History*.
2022. "Review of: *Strata: William Smith's Geological Maps*. *Archives of Natural History* **49**(1): 221.

2022. ["Review of: *A Natural Curiosity: The Story of the Bell Museum.*"] H-Net Reviews in the Humanities & Social Sciences. On-line at: <https://www.h-net.org/reviews/showpdf.php?id=57855>.
2022. "Response to: "What Fossil Preparators Can Teach Us About More Inclusive Science." *Issues in Science and Technology, Forum*. On-line at: https://issues.org/fossil-preparators-inclusive-science-wylie-forum/#forum-response-block_61f835345cf29.
2021. ["Review of: *Birds, Bones, and Beetles: The Improbable Career and Remarkable Legacy of University of Kansas Naturalist Charles D. Bunker.*"] H-Net Reviews in the Humanities & Social Sciences. On-line at: <https://www.h-net.org/reviews/showpdf.php?id=56384>.
2020. "Review of: *Museums at the forefront of the history and philosophy of geology.*" *Earth Sciences History* **39**(1): 219-220.
2019. "Fur and feathers: Building the zoology collections." In *125 Moments in the Natural History of the Field Museum*, ed. F. Mercurio and C. Garland. Chicago: The Field Museum, pp. 28-31.
2019. "Big bone, big audience: Building the dinosaur collections." In *125 Moments in the Natural History of the Field Museum*, ed. F. Mercurio and C. Garland. Chicago: The Field Museum, pp. 40-41.
2019. "Hunting for fossil mammals in South America." In *125 Moments in the Natural History of the Field Museum*, ed. F. Mercurio and C. Garland. Chicago: The Field Museum, pp. 124-125.
2018. "Review of: *Darwin's fossils: the collection that shaped the theory of evolution.*" *Quarterly Review of Biology* **93**(4): 378.
2018. "Review of: *Dragon Teeth.*" *Endeavour* **42**(1): 4.
2018. "Review of: *Field Life: Science in the American West During the Railroad Era.*" *Archives of Natural History* **45**(1): 190-191.
2017. "The curious case of Argentina's 'Old Collections.'" *North Carolina Naturalist* **25**(4): 8.
2017. "Review of: *Arthur Smith Woodward: His Life and Influence on Modern Vertebrate Palaeontology.*" *Archives of Natural History* **44**(2): 383-384.

2017. "Beyond the museum's mandate: a behind-the-scenes tour of iconic institutions offers insight into their once and future roles. A review of: *Inside the Lost Museum: Curating, Past and Present*." *Science* **357**(6352): 652.
2017. "Review of: *Life on Display: Revolutionizing U. S. Museums of Science & Natural History in the Twentieth Century*." *Journal of the History of Biology* **50**(3): 685-687.
2017. "Review of: *House of Lost Worlds: Dinosaurs, Dynasties, and the Story of Life on Earth*." *Archives of Natural History* **44**(1): 192.
2016. "Old sites - new technologies: reevaluation of the Morrison Formation; from historic expeditions to new scientific discoveries." (Co-authored with B. Breithaupt, B. Southwell and N. Matthews). [Abstract.] Program and Abstracts for the Society of Vertebrate Paleontology 76th Annual Meeting, Salt Lake City.
2016. "Review of: *Eternal Ephemera: Adaptation and the Origin of Species from the Nineteenth Century through Punctuated Equilibria and Beyond*." *Isis* **107**(2): 442-443.
2016. "Down goes...Frazer?" *North Carolina Naturalist* **24**(1): 7.
2015. "The Elliot journal: 1896 Africa expedition." (Co-authored with C. Giannoni). *In the Field* **86**(3): 15.
2014. "A new, nearly-complete skeleton of a basal crocodylomorph from the Late Triassic (late Carnian) of North America and high rates of morphological change prior to the end-Triassic extinction." (Co-authored with S. Nesbitt, V. Schneider, R. Irmis, L. Zanno and J. Clarke). [Abstract.] Program and Abstracts for the Society of Vertebrate Paleontology 74th Annual Meeting, Berlin, p. 195.
2013. "Review of: *A Glorious Enterprise: The Academy of Natural Sciences of Philadelphia and the Making of American Science*." *Archives of Natural History* **40**(1): 175-176.
2013. "Review of: *Museums and Empire: Natural History, Human Cultures and Colonial Identities*." *Annals of Science* **70**(1): 114-115.
2010. "Review of: *The Earth on Show: Fossils and the Poetics of Popular Science, 1802-1856*." *Museum History Journal* **3**(2): 281-282.
2009. "Review of: *The Paleobiological Revolution: Essay on the Growth of Modern Paleontology*." *Journal of the History of Biology* **42**(4): 819-821.
2009. "Review of: *Worlds before Adam: The Reconstruction of Geohistory in the Age of Reform*." *Reports of the National Center for Science Education* **29**(3): 46-47.

2009. "Review of: *The Voyage of the Beagle: Darwin's Extraordinary Adventure aboard FitzRoy's Famous Survey Ship.*" *Nautical Research Journal* **54**(1): 60-61.
2008. "A New Basal Crocodylomorph from the Late Triassic of North Carolina." (Co-authored with V. Schneider, J. Clarke, and S. Nesbitt). [Abstract] *Journal of Vertebrate Paleontology* **28**(supplement to 3): 137.
2006. "Benjamin Dann Walsh – Darwin's prairie correspondent." *In the Field* **77**(2): 20.
2004. "She married a dinosaur." *In the Field* **75**(3): 20.
2004. "Introduction." In: *A Triceratops Hunt in Pioneer Wyoming: The Journals of Barnum Brown & J. P. Sams, University of Kansas Expedition of 1895.* (Co-authored with L. Martin and M. Kohl). Glendo, Wyoming: High Plains Press, pp. 13-35.
2004. "A *Triceratops* hunt in frontier Wyoming: The University of Kansas Expedition of 1895." (Co-authored with Mike Kohl and Larry Martin). [Abstract] *Journal of Vertebrate Paleontology* **24**(supplement to 3): 79a.
2003. "Darwin's conversion reconsidered: The *Beagle* voyage and fossil vertebrate succession." [Abstract] *Journal of Vertebrate Paleontology* **23**(supplement to 3): 36a.
2001. "The discovery of fossil mammals in the Tertiary beds of Patagonia." [Abstract] *Journal of Vertebrate Paleontology* **21**(supplement to 3): 35a-36a.
2000. "Review of: *Letters Home from the Bone Camps: Annals of a Field Museum Paleontologist.*" *Archives of Natural History* **27**(2): 269-270.
1999. "Establishing vertebrate paleontology at the Field Museum, 1893-1898." [Abstract] *Journal of Vertebrate Paleontology* **19**(supplement to 3): 33a.
1998. "Review of: *Discovering Dinosaurs in the Old West: The Field Journals of Arthur Lakes.*" *Archives of Natural History* **25**(3): 451-452.
1997. "A commemorative account of the Captain Marshall Field Paleontological Expedition to Argentina and Bolivia, 1922-1927." [Abstract] *Journal of Vertebrate Paleontology* **17**(supplement to 3): 34a.
1996. "Holocene vegetation and climatic history of Laurel Lakes Canyon, Sierra Nevada, CA." [Abstract] (Co-authored with M. Pohl, P. L. Fall, S. L. Arundel, C. P. Davies, D. L. Douglas, S. M. Emrick and J. J. Brown). *American Quaternary Association 14th Biennial Meeting Program and Abstracts.*

1993. "Dinosaurs." [Letter to the editor] *National Geographic* **183**(5).

Selected Presentations

"Now is the time to collect: salvage zoology & the colonial geography of extinction."

Invited talk presented at the Augustana College Geography Department's 75th Anniversary Conference, Rock Island, IL, April 27, 2024.

"The problem with Piltdown Man." Guest lecture presented to the Frauds and Mysteries of History course at NCSU, February 15, 2024.

"She sells sea shells: a brief history of the on-going conflict between academics & commercial fossil collectors, professional & amateur paleontologists." Talk presented at Teen Science Café, Raleigh, NC, 1 December 2023.

"First by bucaniers and latterly by whalers: a history of human occupation in the Galápagos Islands." Guest lecture presented to the Wildlife Conservation in the Galápagos short course at NCSU's College of Veterinary Medicine, 4 December 2023.

"Charles Darwin in the Galápagos Islands." Guest lecture presented to the Wildlife Conservation in the Galápagos short course at NCSU's College of Veterinary Medicine, 4 December 2023.

"Giants in the earth: the amazing true story of the most infamous hoax in American history." Guest lecture presented to the Frauds and Mysteries of History course at NCSU, September 26, 2023.

"Rex appeal: a brief history of the Sue Project at Chicago's Field Museum." Invited talk presented at the Memphis Archaeological and Geological Society, Memphis, TN, 10 September 2021; at the VT Natural History Collections Club, Blacksburg, VA, 1 November 2021; and at the NCSU Geology Club, Raleigh, NC, 28 September 2022.

"Othniel Charles Marsh's canvas dinosaurs." Invited talk presented at the Popularizing Palaeontology Workshop III, at Artis Library, Amsterdam, 31 May 2018; and the Geosciences Department Colloquium, Virginia Tech, Blacksburg, VA, 8 October 2021.

"A history of the North Carolina Museum of Natural Sciences." Guest lecture presented to an NCSU museum studies Maymester course, Raleigh, NC, 4 June 2019 and 17 May 2015.

“Making research from rubbish: the ‘fossil correspondence’ of Othniel Charles Marsh.” Invited talk presented at the Popularizing Palaeontology Workshop IV, at King’s College London, 18 December 2018.

“*Now* is the time to collect: museums and salvage zoology at the turn of the twentieth century.” Talk presented at the History of Science Society Annual Meeting, Seattle, WA, 2 November 2018.

“The monsters of the Pampas: how the extraordinary fossils of South America changed Charles Darwin’s understanding of nature.” Invited talk presented at Wake County Audubon Society, Raleigh, NC, 13 February 2018; and at Lyman Briggs College Speaker Series, Michigan State University, East Lansing, MI, 5 February 2015.

“Adding life, color and interest to the fossil exhibits: the little-known scientific illustrations of John Conrad Hansen.” Invited talk presented at the Popularizing Palaeontology Workshop II, at King’s College London, 13 December 2017.

Featured guest speaker at a UNC-Wilmington history course: HST 328: The Darwinian Revolution, Wilmington, NC, 28 August 2017.

“Silent giants: dinosaurs in the movies (1914-1933).” Invited talk presented during Silent Movie Month and sponsored by the Wharton Studio Museum in Ithaca, NY, 4 October 2015.

“Bully for *Brontosaurus*?” Invited talk presented at the Cosmos Book Club, Raleigh, NC, 19 May 2015; and at a Science Cafe event in Greensboro, NC, 14 May 2015.

“Discoverers of the lost world: a history of mammalian paleontology in South America, 1770-1934.” Invited talk presented at Duke University, Durham, NC, 17 March 2015.

“Charles Darwin’s vertebrate paleontology.” Science Cafe presentation at the N. C. Museum of Natural Sciences, Raleigh, NC, 29 January 2015.

“What’s the big deal about the world’s largest dinosaurs?” Invited talk presented at the N. C. Museum of Natural Sciences, Raleigh, NC, 4 December 2014.

“Red Deer River shakedown: a history of the Captain Marshall Field Paleontological Expedition to Alberta, 1922.” Talk presented at the History of Science Society Annual Meeting, Boston, MA, 22 November 2013; and at a symposium entitled *Practicing Science, Engaging Publics*, at the University of Minnesota, Minneapolis, MN, 20 April 2013.

“John Conrad Hansen and his amazing illustrations of vertebrate fossils.” Talk presented at the N. C. Museum of Natural Sciences, Raleigh, NC, 16 November 2013.

“Jurassic dinosaur reconnaissance along the Colorado – Utah border at the turn of the twentieth century.” Invited talk presented to the Utah Friends of Paleontology, in Moab, UT, 31 July 2013.

“The cultural and scientific history of dinosaurs.” Guest lecture presented at N. C. State University, 15 October 2012; 12 October 2010; and 22 September 2009.

Featured guest speaker at BIG (Biological Interest Group), Minnesota Center for Philosophy of Science, Minneapolis, MN, 21 September 2012.

“Charles Darwin’s *Beagle* voyage, fossil vertebrate succession, and the gradual birth & death of species.” Invited talk presented at the University of Minnesota History of Science and Technology Colloquium Series, Minneapolis, MN, 21 September 2012; the Darwin and the Boundaries of Science Conference, New York University, New York, NY, 17-18 April 2009; and at the Royal Tyrrell Museum, Drumheller, Alberta, Canada, 4 April 2009.

“Putting dinosaurs in their places: museums and paleontology.” Invited talk presented at the Department of Geological Sciences Speaker Seminar, Michigan State University, East Lansing, MI, 6 February 2015; and at Wofford College, Spartanburg, SC, 26 March 2012.

“The second American Jurassic dinosaur rush.” Guest lecture presented at N. C. State University, 22 February 2012; 14 October 2010; and 24 September 2009.

“Cope’s final feud.” Talk presented at an international conference, *Dinosaurs: Their Kith and Kin: A Historical Perspective*, in Paris, France, 3-7 May 2011.

“The second Jurassic dinosaur rush revisited.” Poster presented at an international conference, *Dinosaurs: Their Kith and Kin: A Historical Perspective*, in Paris, France, 3-7 May 2011.

“The second Jurassic dinosaur rush.” Invited talk presented at the Osher Lifelong Learning Institute at Duke University, Durham, NC, 25 January 2011; and at Fossil Fair at the N. C. Museum of Natural Sciences, Raleigh, NC, 6 November 2010.

“Charles Darwin’s *Beagle* voyage and the origin of ‘The Origin.’” Invited talk presented at the Darwin Lecture Series at the N. C. Museum of Natural Sciences, Raleigh, NC, 24 November 2009.

“Darwin’s conversion reconsidered (again!).” Talk presented at the History of Science Society Meeting, Phoenix, AZ, 22 November 2009.

“Did Darwin become a convinced transmutationist in Argentina?” Invited talk presented at a Darwin conference at the Centro Cientifico Tecnologico CONICET in Bahia Blanca, Argentina, 12 October 2009.

“Darwin’s role in the discovery of the Santa Cruz beds.” Invited talk presented at a Darwin conference at the Centro Cientifico Tecnologico CONICET in Bahia Blanca, Argentina, 10 October 2009.

“A new basal crocodylomorph from the Late Triassic of North Carolina.” Poster presented (with V. Schneider, J. Clarke, and S. Nesbitt) at the 68th Annual Meeting of the Society of Vertebrate Paleontology, Cleveland, OH, 15-18 October 2008.

“Modernizing American fossil preparation at the turn of the 20th century.” Talk presented at the Fossil Preparation and Collections Symposium, Petrified Forest National Park, Holbrook, AZ, 10-12 April 2008.

“Keeping everything in good order.” Talk presented at the Museum of Comparative Zoology, Harvard University, Cambridge, MA, 18 March 2008.

“Charles Darwin, a few of his successes, and a bit on his thinking about fossil vertebrate succession.” Talk presented at the Sedgwick Museum of Earth Sciences, Cambridge University, Cambridge, UK, 5 June 2007.

“Bully for *Apatosaurus*: A speedy survey of scientific contributions during the second Jurassic dinosaur rush, 1895–1905.” Talk presented at the History of Science Society Meeting, Minneapolis, MN, 5 November 2005.

“A *Triceratops* hunt in frontier Wyoming: The University of Kansas Expedition of 1895.” Poster presented (with M. Kohl and L. Martin) at the 64th Annual Meeting of the Society of Vertebrate Paleontology, Denver, CO, 3–6 November 2004.

“Darwin’s conversion reconsidered: The *Beagle* voyage and fossil vertebrate succession.” Talk presented in the Romer Prize Session at the 63rd Annual Meeting of the Society of Vertebrate Paleontology, St. Paul, MN, 16 October 2003.

“Framing nature: Reflections on the formative years of American natural history museum development.” Talk presented (with Sally Gregory Kohlstedt, co-author and presenter) at the California Academy of Science / American Association for the

Advancement of Science Pacific Division Symposium: *Institutions of natural history: Past, present and future*, San Francisco, CA, 16 June 2003.

“Darwin’s nascent thoughts about fossil vertebrate succession during the *Beagle* voyage.”
Talk presented at the Columbia History of Science Group Meeting, Friday Harbor, WA, 7–9 March 2003.

“Charles Darwin’s use (and abuse) of the early English account of fossil vertebrates in Thomas Falkner’s *A Description of Patagonia* (1774).” Talk presented at the James Ford Bell Library, Minneapolis, MN, 6 May 2002.

“Bartholomew J. Sullivan’s discovery of fossil mammals in the Tertiary beds of Patagonia.”
Talk presented at the Midwest Junto for History of Science Meeting, Ames, IA, 5–7 April 2002.

“The discovery of fossil mammals in the Tertiary beds of Patagonia.” Poster presented at the 61st Annual Meeting of the Society of Vertebrate Paleontology, Bozeman, MT, 3–6 October 2001.

“Riggs Hill 100th anniversary celebration.” Invited talk sponsored by the Museum of Western Colorado, Grand Junction, CO, 14 July 2000.

“The preparation and molding of Sue, a spectacular *Tyrannosaurus rex* skeleton at the Field Museum.” Invited talk presented at a meeting of the Rotary Club, Munster, IN, 25 January 2000.

“Establishing vertebrate paleontology at the Field Museum, 1893–1898.” Poster presented at the 59th Annual Meeting of the Society of Vertebrate Paleontology, Denver, CO, 20–23 October 1999.

“Behind the scenes with Sue.” Talk presented at the Field Museum, 5 November 1998.

“Mammoth mammal move.” Talk presented at the Field Museum, 19 February 1998.

“A commemorative account of the Captain Marshall Field Paleontological Expedition to Argentina and Bolivia, 1922–1927.” Poster presented at the 57th Annual Meeting of the Society of Vertebrate Paleontology, Chicago, IL, 8–11 October 1997.

Field Experience

2024 – Collected Eocene and Oligocene fossil mammals in the White River badlands of Nebraska for the North Carolina Museum of Natural Sciences

- 2023-2024, 2019, 2006–2012 – Collected fossil vertebrates in various Triassic, Cretaceous and Tertiary beds of North Carolina for the North Carolina Museum of Natural Sciences
- 2017 – Collected late Cretaceous dinosaurs in North Dakota with the Bob Campbell Geology Museum at Clemson University
- 2012-2014 – Collected early Cretaceous and Jurassic dinosaurs in southern Utah with the North Carolina Museum of Natural Sciences
- 2012 – Collected fossil mammals in southern Patagonia with the Museo de La Plata
- 2005–2012, 1998, 1995 and 1991 – Collected fossil mammals in the White River badlands of northwestern Nebraska with an Augustana College paleontology field course, including eight seasons (2005-2012) as a field course assistant
- 2011 – Collected Oligocene fossil birds and marine mammals in New Zealand with the University of Otago
- 2010 – Collected fossil vertebrates from the Triassic beds of northeastern Arizona for the North Carolina Museum of Natural Sciences
- 2009 – Collected fossil mammals at Monte Hermoso, Argentina with the Museo Municipal de Ciencias Naturales “Carlos Darwin”
- 2009 – Collected early Cenozoic fossil invertebrates in Georgia and South Carolina for the North Carolina Museum of Natural Sciences
- 2008 – Collected early Cenozoic fossil birds, reptiles and fishes on an expedition to southern Peru funded by the National Geographic Society
- 2006–2007 – Collected dinosaurs in the late Cretaceous Judith River and Hell Creek Formations of Montana for the North Carolina Museum of Natural Sciences
- 1996 – Collected fossil marine reptiles from the Triassic beds of east-central Wyoming with Olivier Rieppel for the Field Museum
- 1996 – Various fieldwork in Arizona with ASU Quaternary methods field course
- 1995 – Various fieldwork in paleoecology with ASU field course, especially at Hay Lake, Arizona and Laurel Lakes Canyon, California

1994 – Collected fossil mammals from the Washakie and Bridger Basins of southwestern Wyoming with John Flynn for the Field Museum

1990 – Volunteered at the Hulbert Creek Archaeological Project, Wisconsin Dells, Wisconsin

Professional Development / Service

Co-hosted an international workshop (with Chris Manias) on the Dinosaur Renaissance at the North Carolina Museum of Natural Sciences, June 2024

Co-organizer (with Tania Munz, Robin Visser, and Matthew Booker) of the Triangle Environmental Humanities reading and writing group (since 2024)

Co-organizer (with Ilja Nieuwland and Chris Manias) of the History of Vertebrate Paleontology Working Group with the Consortium for the History of Science, Technology and Medicine (since 2024)

Was interviewed by author Susannah Klingenburg for an article about the Muir Woods and the meaning of “awe” for Park Advocate (the blog of the National Parks Conservation Association) in December 2023

Was interviewed by Justine Henning, Director of Math4Science, about science careers in December 2023

Assisting Eastern Carolina University graduate student Rachel Wheatley on her dissertation research on the history of 20th century extinction debates, 2023-2024

Member of the City of Raleigh’s Historic Resources & Museum Advisory Board (since 2023)

Organized and hosted the Popularizing Palaeontology Workshop IV at the N. C. Museum of Natural Sciences, 18-19 April 2019

Member of the editorial boards for *Journal of the History of Collections* (since 2019), *Colligo* (since 2018), *Archives of Natural History* (since 2016), and *Endeavour* (since 2016)

History of Earth Sciences Society councilor, 2013-2014, secretary 2017-2020

Refereed research article submissions for: *Archives of Natural History* (14), *Journal of the History of Biology* (5), *Endeavour* (5), *Journal of the History of Collections* (5), *Isis* (3), *Earth Sciences History* (3), *Museum History Journal* (2), *Studies in History and Philosophy of Biological and Biomedical Sciences* (2), *Colligo* (1), *Historical Studies in the*

Natural Sciences (2), *Cultural History* (1), *Earth & Environmental Science Transactions of the Royal Society of Edinburgh* (1), *Paleontologia Electronica* (1), *Bulletin de la Societe Geologique de France* (1), *Centaurus* (1), *Ichnos* (1), *History and Philosophy of the Life Sciences* (2), *Philosophy, Theory, and Practice in Biology* (1), *British Journal for the History of Science* (1), *BioScience* (1), *Geoconservation Research* (1); *Journal of the South Carolina Academy of Science* (1); *Journal of Mammalian Evolution* (1); *Geological Society of America Books* (2); *Geology of the Intermountain West* (1); book proposals for: Columbia University Press (1), University of Pittsburgh Press (1); book manuscripts for: Cambridge University Press (1), University of Pittsburgh Press (2), De Gruyter (1); research proposals for: National Science Foundation (1), Netherlands Organization for Scientific Research, Council for the Humanities (1); and an Academic Probation Review for: the History Department, Kings College London (1)

History of Science Society Annual Meeting, Seattle, WA, November 2018

- Organized a session entitled: "Expeditions, specimens and ideas"

Founder and organizer of Eremotherium Club, a history of science reading, writing, and discussion group that meets quarterly in Raleigh, NC

Was interviewed by Shaun Fitzmaurice of SciWorks Radio about Charles Darwin's life and work in February 2017

Editor of "Inside NC Science," a science-themed column that ran regularly in the *Raleigh News & Observer* from 2015-2016

Project Advisory Board member for an exhibit under development on the history of women in paleontology at the Paleontological Research Institution, Ithaca, NY

Was interviewed by Laura Fenn of the Walking Classroom Institute for a Career Exploration podcast in July 2014

Host and organizer of monthly Science Trivia contest in the Daily Planet Café at the N. C. Museum of Natural Sciences

Regular participant in outreach activities at N. C. Museum of Natural Sciences, including annual events like Bug Fest, Reptile & Amphibian Day, Fossil Fair and Darwin Day

Was interviewed for, and quoted in, a *Men's Journal* article about commercial fossil collecting written by Daniel Engber and published in March 2014

History of Science Society Annual Meeting, Boston, MA, November 2013

- Chaired a session entitled: “Paleontology as an international endeavor in the nineteenth and twentieth centuries”

Was interviewed by John Foster and Mara Ferris for a documentary film called *Dinosaurs of the Western Slope*. This film debuted on 2 March 2016 and will be shown to visitors at the Dinosaur Journey Museum in Fruita, CO.

Consulted and provided expert content for Field Museum exhibits, including: *Wonders of the 1893 World's Fair*; an exhibit on Charles Darwin; and *Evolving Planet*.

Was interviewed for, and quoted in, a *National Geographic* article about Charles Darwin written by David Quammen and published in February 2009

Archives of Natural History / Society for the History of Natural History, 2003–2005

- Served as corresponding member for the Midwest region of North America

History of Science Society Annual Meeting, Minneapolis, MN, November 2005

- Organized a session entitled: “Ideas and institutions in American paleontology”

Midwest Junto for History of Science Annual Meeting, Minneapolis, MN, April 2003

- Served as a meeting planner and organizer

Audited two graduate courses in public history/archives, 2006–2007, North Carolina State University, Raleigh, NC

- “Application of the Principles of the Administration of Archives”
- “History and Principles of the Administration of Archives and Manuscripts”

Completed a lab techniques training course on paleohistology at the Museum of the Rockies under the supervision of Ellen Lamm, Bozeman, MT, January 2007

Prepared the fossilized bones of Sue, the world-famous *Tyrannosaurus rex*, for research and exhibition, made molds and casts and reconstructed the skull, 1997-2000, The Field Museum, Chicago, IL

Completed two training courses on the deterioration & conservation of geological materials taught by Sally Shelton & Chris Collins, at Yellowstone Nat. Park, 1996

- “Preventive Conservation of Geological Materials”
- “Advanced Conservation of Geological Materials”

Graduate coursework in physical geography, paleoecology, and museum studies, 1995–1996, Arizona State University, Tempe, AZ

Graduate coursework in paleontology, 1994, University of Illinois – Chicago, Chicago, IL

- “Principles of Paleontology”

Honors, Awards, Appointments

Adjunct Assistant Professor, Department of Marine, Earth, and Atmospheric Sciences,
N. C. State University, since 2008
Field Museum Research Associate, since 2003
Field Associate, Div. of Paleontology, American Museum of Natural History, since 2019
Univ. of Minnesota Dissertation Fellowship, 2004–2005
Lester Armour Graduate Student Fellowship, Field Museum, 2003–2004
Univ. of Minnesota Graduate Assistantship, History of Science, 2001–2003
James Ford Bell Library Student Research Paper Award, 2003
Univ. of Minnesota Library Book Collecting Contest, Second Place, 2003
Univ. of Minnesota Graduate Fellowship, History of Science, 2000–2001
Arizona State University Graduate Assistantship, Geography Department, 1995–1997

Professional Affiliations

History of Earth Sciences Society
History of Science Society
Society for the History of Natural History
International Commission on the History of Geological Sciences
Southern Association for the History of Medicine and Science