**Adam Douglas Marsh, Ph.D.**

1109 N. 8th Ave #5 (574) 993-6263

Holbrook, AZ 86025 220marsh@gmail.com; adam\_marsh@nps.gov

**EDUCATION**

 Doctor of Philosophy in Geological Sciences, Vertebrate Paleontology May 2018

 The University of Texas at Austin, Jackson School of Geosciences

Dissertation: *Contextualizing the evolution of theropod dinosaurs in western North America using U-Pb geochronology of the Chinle Formation and Kayenta Formation on the Colorado Plateau*

Advisor: Dr. Timothy Rowe

Current cumulative GPA: 3.99/4.00 (22 semester hours)

Qualifying examination passed on December 5, 2014

Oral doctoral examination passed on April 30, 2018

**RELEVANT COURSEWORK**

Clastic Depositional Systems, Fundamentals/Applications of ICP-MS, Geochronology, Proposal Writing, Paleontological Lab Techniques, Technical Sessions

Master of Science in Geological Sciences, Vertebrate Paleontology May 2013

 The University of Texas at Austin, Jackson School of Geosciences

Thesis: *The osteology of* Sarahsaurus aurifontanalis *and geochemical observations of the dinosaurs from the* Sarahsaurus *Quarry (Kayenta Formation), Coconino County, Arizona*

Advisor: Dr. Timothy Rowe

Cumulative GPA: 4.00/4.00 (31 semester hours)

**RELEVANT COURSEWORK**

Supervised Teaching in Geological Sciences, Technical Sessions, Morphology of the Vertebrate Skeleton, Digital Methods in Morphology, Advanced Systematics, Systematics and Fundamental Paleontological Questions, Paleontological Lab Techniques, Systematics and Paleontology, Comparative Vertebrate Anatomy, Herpetology, Topics in Vertebrate Paleontology

 Bachelor of Science, Biological Sciences May 2011

 Minor: Environmental Geosciences

 The University of Notre Dame, Notre Dame, IN

 Cumulative GPA: 3.543/4.00 (159 semester hours)

 **RELEVANT COURSEWORK**

Ecology and Evolution, Fundamentals of Genetics, Physical Geology, Sedimentation and Stratigraphy, Principles of Paleontology, Historical Geology, Cellular Biology, Vertebrate (Human) Anatomy, Vertebrate Biology, Aquatic Ecology, Mineralogy and Optical Mineralogy, Surficial Processes and Geomorphology, Marine Biology, Animal Behavior, Biostatistics, Environmental Geosciences, Introduction to Paleontology, Molecular Cell Biology, General Ecology

 **Graduate and undergraduate field trips**

Anza-Borrego Desert State Park October 2013

Carlsbad National Park, NM and Big Bend National Park, TX March 2011

Marengo Cave, IN March 2010

Death Valley National Park, CA March 2010

**EXPERIENCE**

**Petrified Forest National Park**  Holbrook, AZ

* Lead paleontologist (40 hr/week) March 2019-current
	+ NEPA Specialist
	+ Research Permit Coordinator
	+ Concessions Inspector
	+ Natural Resource Supervisor
	+ Librarian
	+ Carpool Coordinator
* Term paleontologist (40 hr/week) March 2019-March 2019
* Seasonal paleontologist (40 hr/week) May-August 2015
* Paleontology summer intern (40 hr/week) May-August 2013, 2014
* Supervisor: Dr. William Parker (928-524-6228; ext. 262, okay to contact)
	+ Petrified Forest National Park

1 Park Road #2217

Petrified Forest National Park, AZ 86028

**University of Texas at Austin**  Austin, TX

* Teaching assistant (20 hr/week)
	+ Life Through Time with Dr. Julia Clarke, Dr. Chris Bell Fall 2013, 2014, 2015
	+ Morphology of the Vertebrate Skeleton with Dr. Chris Bell Spring, 2014
	+ Age of Dinosaurs with Dr. Tim Rowe Fall 2011, 2012
	+ Age of Mammals with Dr. Chris Bell Spring, 2011
* Research assistant (20 hr/week)
	+ High-Resolution X-ray Computed Tomography Facility Summer 2012
* Supervisors: Dr. Timothy Rowe (512-232-5512), Dr. Chris Bell (512-471-7301); both okay to contact
	+ Jackson School of Geosciences, The University of Texas at Austin
	2305 Speedway
	Stop C1160
	Austin, TX 78712

**University of California Museum of Paleontology** Berkeley, CA

* Visiting Student Researcher (40 hr/week) Spring 2015
	+ - Supervisor: Dr. Kevin Padian (510-642-7434, okay to contact)
		- Museum of Paleontology, The University of California

1101 Valley Life Sciences Building

Berkeley, CA 94720

**University of Notre Dame** Notre Dame, IN

* UND Energy Frontier Research Center July 2009-August 2011
	+ Supervisor: Dr. Ginger Sigmon (574-631-7852, okay to contact)
	+ Undergraduate research assistant (20 hr/week)
	+ University of Notre Dame Energy Frontier Research Center

301 Stinson-Remick Hall

Notre Dame, IN 46556

* University of Notre Dame Museum of Biodiversity May 2008-June 2009, June-July 2012
	+ Temporary museum employee (20 hr/week)
	+ Supervisors: Drs. Ronald and Barbara Hellenthal (574-631-6684, okay to contact)
	+ University of Notre Dame Museum of Biodiversity

215 Jordan Hall of Science

Notre Dame, IN 46556

**Volunteer**

* Montana State University and Museum of the Rockies May-August 2010
	+ Rudyard, MT
	+ Supervisor: Dr. Elizabeth Fowler (863-899-2128, okay to call)
	+ Museum of the Rockies

600 West Kagy Road

Bozeman, MT 59717

* Osage, WY May 2009
	+ Private excavation of *Camarasaurus* sp. and unknown dryosaurid dinosaur

**Dissertation fieldwork**

* Late Triassic Fossil collection at Ghost Ranch, NM. August 2014, 2015, 2017, 2018
* Measuring Early Jurassic stratigraphy and collecting rock samples in the

Navajo Nation and Zion National Park, UT. Summer 2014-2017

**Professional development and outreach**

* Invited speaker for the Central Arizona Geology Club March, 2018
* PEFO Paleontology table at the Navajo County Fair September 2016–2024
* National Fossil Day, Petrified Forest National Park, AZ October 2016-2024
* Dinosaur Day, Petrified Forest National Park, AZ June 2016-2024
* Earth Science Career Day, Austin, TX November 2014, September 2015
* Paleontological Society of Austin guest speaker October 2013, 2015
* Cal Day, University of California Museum of Paleontology April 2015
* Paleontological Society of Austin Fossil Fest December 2013, 2014
* UT Austin Fossil Identification liaison Fall 2014
* Dinosaurs in the Desert, Petrified Forest National Park June 2013
	+ https://www.youtube.com/watch?v=ssLtgNV3Icc

**GRANTS, HONORS, and AWARDS**

* Enhance Visitor Understanding of Park Paleontology Through Conservation of Rare Threatened Fossils (PMIS 209814- for Petrified Forest National Park via NPS Natural Resources)
	+ $321,000 over three years (beginning 2019) Approved August 2017
* Ernest L. and Judith W. Lundelius Endowment in Vertebrate Paleontology 2011-2015
* Paleontological Society of Austin Travel Grant October 2015
* Howard R. Lowe Vertebrate Paleontology Endowment May 2014
* Doris O. and Samuel P. Welles Research Fund February 2014, January 2017
* Francis L. Whitney Endowed Presidential Scholarship 2012-2014
* Director’s Award for Outstanding Senior Band Member, Notre Dame Band November 2010
* Eagle Scout, Boy Scouts of America September 2006

**PROFESSIONAL ORGANIZATIONS**

* Research Associate, Museum of Northern Arizona August 2018-Present
* Research Associate, University of Texas at Austin October 2018-Present
* The Society of Vertebrate Paleontology December 2008-Present
* The Geological Society of America February 2013-Present
* The Paleontological Society July 2009-July 2010, February 2015-2016

**PROFESSIONAL REFERENCES**

* Dr. William Parker, Petrified Forest National Park, Resource Management Department Lead, 928-524-6228 x262, william\_parker@nps.gov
* Dr. Timothy Rowe, The University of Texas at Austin, Professor, 512-232-5512, rowe@mail.utexas.edu
* Dr. Christopher Bell, The University of Texas at Austin, Professor, 512-471-7301, cjbell@jsg.utexas.edu
* Matthew Brown, The University of Texas at Austin, Director of Vertebrate Collections,
* 512-232-5515, matthewbrown@utexas.edu
* Matthew Smith, Petrified Forest National Park, Museum Curator, 928-524-6228, matthew\_e\_smith@nps.gov
* Dr. Ronald Hellenthal, The University of Notre Dame, Professor Emeritus, 574-631-6684, rhellent@nd.edu

**PEER-REVIEWED ARTICLES**

Stack, J., Kligman, B.T., Stocker, M.R., Stricklin, M.L., **Marsh, A.D**. In prep. The evolutionary history of ray-finned fishes in freshwater: insights from a new ray-finned fish (Actinopterygii; pan-Teleosti) from the Upper Triassic (Norian) Blue Mesa Member (Chinle Formation) of Arizona, USA.

Abolt, R., **Marsh, A.D.**, O’Callaghan, E.V., Parker, W.G., Shubul, A.N., Kligman, B.T. In prep. A diverse assemblage of Upper Triassic vertebrate teeth from east-central Arizona. Lithodendron.

McKinney, I.T., **Marsh, A.D.**, Kligman, B.T.In revision. Exemplary excretions: a close examination of a Late Triassic coprolite and possible evidence of cannibalism in parasuchid phytosaurs. Journal of Vertebrate Paleontology.

Schubul, A.N., **Marsh, A.D.**, Kligman, B.T. 2025. A diverse assemblage of tanystropheid archosauromorphs from the continental interior of Late Triassic tropical Pangaea includes a new taxon (*Akidostropheus oligos* gen. et sp. nov.) with defensive vertebral adaptations. Palaeodiversity 18: 99–125.

Kligman, B.T., Whatley, R.L., Ramezani, J., **Marsh, A.D.**, Lyson, T.R., Fitch, A.J., Parker, W.G., Behrensmeyer, A.K. 2025. Unusual bonebed reveals a vertebrate community with pterosaurs and turtles in equatorial Pangaea before the end-Triassic extinction. Proceedings of the National Academy of Sciences 122: e2505513122.

**Marsh, A.D.** 2025. A large silesaurid specimen from Petrified Forest National Park, U.S.A., with comments on large body sizes in latest Triassic ornithodirans. Lithodendron 2: 1–15.

Suarez, C.A., Sharman, G.R., Oefinger, J., Boudreaux, A., Mmasa, D., Crowley J., **Marsh, A.D.**, Milner, A.R.C. 2025. A revised chronostratigraphy of the Moenave Formation, USA: implications for timing of C-cycle perturbations associated with the Central Atlantic Magmatic Province. GSA Bulletin.

Foffa, D., Dunne, E.M., Chiarenza, A.A., Farnsworth, A., Lunt, D.J., Valdes, P.J., Nesbitt, S.J., Kligman, B.T., **Marsh, A.D.**, Parker, W.G., Butler, R.J., Fraser, N.C,. Brusatte, S.L., Walsh, S., Barrett, P.M. 2025. Climate drivers and paleobiogeography of early pterosauromorphs. Nature Ecology and Evolution.

Reyes, W.A., Parker, W.G., **Marsh, A.D.**, Kligman, B.T. 2025. Cranial anatomy, intraspecific variation, and positional variation within *Calyptosuchus w*ellesi (Pseudosuchia: Aetosauria) based on new specimens from the Upper Triassic Chinle Formation (Adamanian, early middle-Norian) of Petrified Forest National Park, Arizona, USA. Journal of Paleontology.

Goldsmith, E.R., Barta, D.E., Nesbitt, S.J., Kligman, B.T., **Marsh, A.D., Parker, W.G.**, Stocker, M.R. 2024. Osteohistology of a diminutive phytosaur femur and implications for the evolution of growth dynamics in Archosauria. Journal of Anatomy.

Griffin, C.T., Barta, D.E., Barrett, P.M., Breeden, B.T., Carrano, M.T., Chappelle, K., Chinsamy, A., Choiniere, J., Ezcurra, M.D., Irmis, R.B., **Marsh, A.D.**, McDavid, S.N., Munyikwa, D., Nesbitt, S.J., Padian, K., Parker, W.G., Rowe, T.B., Smith, N.D., Spiekman, S.N.F., Stiegler, J., Tykoski, R., Zondo, M. 2025. Case 3894- *Syntarsus* Raath, 1969 (Dinosauria, Theropoda): proposed conservation of genus-group name by suppression of *Syntarsus* Fairmaire, 1869 (Coleoptera, Zopheridae). Bulletin of Zoological Nomenclature 81: 3.

Burch, H.E., Eddins, H.-M., Stocker, M.R., Nesbitt, S.J., Kligman, B.T., **Marsh, A.D.,** Parker, W.G. 2024. A small venomous reptile from the Late Triassic (Norian) of the southwestern United States. PeerJ 12: e18279.

Milner, A.R.C., Santucci, V.L., **Marsh, A.D.**, King, M.R., Harris, J.D., Delgalvis, A., Wood, J.R., Buchwitz, J.C., Carter, H.A., Kirkland, J.I., Slauf, D.L., Charobee, A.I., Bennett, C.J., Rodriguez, M., Tweet, J.S., Clites, E.C. 2024. Following in the footsteps of Dr. Martin Lockley: another 10 years of paleontological investigations in Glen Canyon National Recreation Area, Utah and Arizona. New Mexico Museum of Natural History and Science Bulletin 95: 283–236.

**Marsh, A.D.**, De Blieux, D. D., Kirkland, J.I. 2024. The first postcranial dinosaur body fossils from the Kayenta Formation of Utah. Geology of the Intermountain West 11: 45–57.

**Marsh, A.D.**, Sidor, C.A., Smith, E.A. 2024. The allokotosaur (Archosauromorpha) assemblage from a multitaxic bonebed in the Sonsela Member (Jim Camp Wash beds, Chinle Formation) at Petrified Forest National Park, U.S.A. Lithodendron 1: 95–118.

**Marsh, A.D.**, Kligman, B.T., Reyes, W.R., Rountrey, A.N. 2024. Reidentification of the holotype specimen

of *Trilophosaurus buettneri* Case, 1928 (Archosauromorpha, Trilophosauridae) from the

Upper Triassic of Crosby County, Texas, U.S.A. Journal of Vertebrate Paleontology: e2317396.

Parker, W.G., **Marsh, A.D.**, Smith, M.E., Kligman, B.T., Wagner, D.E., Varela, P., Boudreau, D.M. 2024. New perspectives on NPS paleontological resource stewardship: scientific, curatorial, and educational outcomes at Petrified Forest National Park. Park Stewardship Forum 40: 197–209.

Parker, W.G., Reyes, W.A., **Marsh, A.D.** 2023. Incongruent ontogenetic maturity indicators in a Late Triassic archosaur (Aetosauria: cf. *Typothorax*). The Anatomical Record, 307: 1254–1270.

Kligman, B.T., Gee, B.M., **Marsh, A.D.**, Nesbitt, S.J., Smith, M.E., Parker, W.G., Stocker, M.R. 2023. Triassic stem caecilian supports dissorophoid origin of living amphibians. Nature 614: 102–107.

**Marsh, A.D.**, Parker, W.G., Nesbitt, S.J., Kligman, B.T., Stocker, M.R. 2022. *Puercosuchus traverorum* n. gen. and sp.: a new malerisaurine azendohsaurid (Archosauromorpha: Allokotosauria) from a monodominant bonebed in the Chinle Formation (Late Triassic, Norian) of Arizona. Journal of Paleontology 96 (Memoir 90): 1–39.

Nesbitt, S.J., Stocker, M.R., Ezcurra, M.D., Fraser, N.C., Heckert, A.B., Parker, W.G., Mueller, B., Sengupta, S., Bandyopadhyay, S., Pritchard, A.C., **Marsh, A.D.** 2021. Widespread azendohsaurids (Archosauromorpha: Allokotosauria) from the Late Triassic of the western United States and India. Papers in Palaeontology 8: e1413.

Parker, W.G., Nesbitt, S.J., **Marsh, A.D.**, Kligman, B.T., Bader, K. 2021. First occurrence of *Doswellia* cf. *D*. *kaltenbachi* (Archosauriformes) from the Late Triassic (middle Norian) Chinle Formation of Arizona and its implications on proposed biostratigraphic correlations across North America during the Late Triassic. Journal of Vertebrate Paleontology (early view): e1976196.

Parker, W.G., Nesbitt, S.J., Irmis, R.B., Martz, J.W., **Marsh, A.D.**, Brown, M.A., Stocker, M.R., Werning, S.W. 2021. Osteology, histology, and relationships of *Revueltosaurus callenderi* (Archosauria: Suchia) from the Upper Triassic (Norian) Chinle Formation of Petrified Forest National Park, Arizona, USA. The Anatomical Record 305:2353-2414.

**Marsh, A.D.**, Milner, A.R.C., Harris, J.D., De Blieux, D.D., Kirkland, J.I. 2021. A non-averostran neotheropod vertebra (Dinosauria: Theropoda) from the earliest Jurassic Whitmore Point Member (Moenave Formation) in southwestern Utah. Journal of Vertebrate Paleontology 41:e1897604.

**Marsh, A.D.**, Parker, W.G., Miller, A.E. 2021. Mesozoic paleontology of Grand Canyon National Park: trace fossils, stratigraphy, and regional correlations. Utah Geological Association Special Publications 1:205-218.

Reyes, W.A., Parker, W.G., **Marsh, A.D.** 2021. Cranial anatomy and dentition of the aetosaur *Typothorax coccinarum* (Archosauria: Pseudosuchia) from the Upper Triassic Chinle Formation of Arizona. Journal of Vertebrate Paleontology 40: e1876080.

Hégron, A., Stocker, M.R., **Marsh, A.D.**, Nesbitt, S.J. 2020. Archosauromorphs from the Lamy Quarry, Garita Creek Formation (Adamanian, Late Triassic), New Mexico, USA. Palaeodiversity 13:135-149.

**Marsh, A.D.**, Parker, W.G. 2020. New dinosauromorph specimens from Petrified Forest National Park and a global biostratigraphic review of Triassic dinosauromorph body fossils. PaleoBios 37:1-56.

Kligman, B.T., **Marsh, A.D.**, Sues, H.-D., Sidor, C.A. 2020. A new non-mammalian eucynodont from the Chinle Formation (Triassic: Norian), and implications for the early Mesozoic equatorial cynodont record. Biology Letters 16: 20200631.

**Marsh, A.D.**, Smith, M.E., Parker, W.G., Irmis, R.B., Kligman, B.T. 2020. Skeletal anatomy of *Acaenasuchus geoffreyi* Long and Murry, 1995 (Archosauria: Pseudosuchia), a member of a new clade of armored archosaurs. Journal of Vertebrate Paleontology 40: e1794885.

Jenkins, X.A., Pritchard, A.C., **Marsh, A.D.**, Kligman, B.T., Sidor, C.A., Reed, K.E. 2020. Using manual ungual morphology to predict substrate use in the Drepanosauromorpha and the description of a new species. Journal of Vertebrate Paleontology 40: e1810058.

Gehrels, G., Giesler, D., Olsen, P.E., Kent, D.E., **Marsh, A.D.**, Parker, W.G., Rasmussen, C., Mundil, R., Irmis, R.B., Geissman, J., Lepre, C.J. 2020. LA-ICPMS U-Pb geochronology of detrital zircon grains form the Coconino, Moenkopi, and Chinle Formations in the Petrified Forest National Park (Arizona). Geochronology 2:257-282.

**Marsh, A.D.**, Rowe, T.B. 2020. A comprehensive anatomical and phylogenetic evaluation of *Dilophosaurus wetherilli* (Dinosauria: Theropoda) with descriptions of new specimens from the Kayenta Formation of northern Arizona. Journal of Paleontology 94 (Memoir 78):1-103.

**Marsh, A.D.**, Parker, W.G., Miller, A.E. 2020. Mesozoic paleontology of Grand Canyon National Park: trace fossils, stratigraphy, and regional correlations; pp. 381-410 in Santucci, V.L., Tweet, J.S. (eds.), Grand Canyon National Park: Centennial Paleontological Resource Inventory (non-sensitive version). Natural Resource Report NPS/GRCA/NRR-2020/2013. National Park Service, Fort Collins, Colorado.

Kligman, B.T., **Marsh, A.D.**, Nesbitt, S.J., Parker, W.G., Stocker, M.R. 2020. New trilophosaurid species demonstrates a decline in allokotosaur diversity across the Adamanian-Revueltian boundary in the Late Triassic of western North America. Palaeodiversity 13:25-37.

**Marsh, A. D.**, W. G. Parker, M. C. Langer, and S. J. Nesbitt. 2019. Redescription of the holotype specimen of *Chindesaurus bryansmalli* Long and Murry, 1995 (Dinosauria, Theropoda), from Petrified Forest National Park. Journal of Vertebrate Paleontology 39: e1645682.

Gee, B. M., W. G. Parker, and **A. D. Marsh**. 2019. Redescription of *Anaschisma* (Temnospondyli: Metoposauridae) from the Late Triassic of Wyoming and the phylogeny of the Metoposauridae. Journal of Systematic Palaeontology. Online first: 1602855.

**Marsh, A. D.**, W. G. Parker, D. F. Stockli, and J. W. Martz. 2019. Regional correlation of the Sonsela Member (Upper Triassic Chinle Formation) and detrital U-Pb zircon data from the Sonsela Sandstone bed near the Sonsela Buttes, northeastern Arizona, U.S.A., support the presence of a distributive fluvial system. Geosphere 15: 1-12.

Stocker, M. R., S. J. Nesbitt, B. T. Kligman, D. J. Paluh, **A. D. Marsh**, D. C. Blackburn, and W. G. Parker. 2019. The earliest equatorial record of frogs from the Late Triassic of Arizona. Biology Letters 15: 20180922.

**Marsh, A. D.** 2018. A new record of *Dromomeron romeri* Irmis et al., 2007 (Lagerpetidae) from the Chinle Formation of Arizona, USA. PaleoBios 35: 1-8.

**Marsh, A. D.**, and T. B. Rowe. 2018. Anatomy and systematics of the sauropodomorph *Sarahsaurus aurifontanalis* from the Early Jurassic Kayenta Formation. PLOS One 13: e0204007.

Lessner, E. J., Parker, W. G., Nesbitt, S. J., **Marsh, A. D.**, Irmis, R. B., and B. Mueller. 2018. New insights into Late Triassic dinosauromorph-bearing assemblages from Texas using apomorphy-based identifications. PaleoBios 35: 1-41.

Kligman, B. T., **A. D. Marsh**, and Parker, W. G. 2018. First record of *Palacrodon* (Diapsida) from the Late Triassic (Chinle Formation: Norian) of western North America. Acta Paleontologia Polonica 63: 117-127.

Kligman, B. T., Parker, W. G., and **A. D. Marsh**. 2017. First record of *Saurichthys* (Actinopterygii) from the Late Triassic (Chinle Formation: Norian) of western North America. Journal of Vertebrate Paleontology 37: e1367304.

Gee, B. M., Parker, W. G., and **A. D. Marsh**. 2017. Microanatomy and paleohistology of the intercentra of North American metoposaurids from the Upper Triassic of Petrified Forest National Park (Arizona, USA) with implications for the taxonomy and ontogeny of the group. PeerJ 5: e3183.

Burroughs, R. W., Z. S. Morris, and **A. D. Marsh**. 2014. T*rachemys scripta* (Red-Eared Slider), *Pseudemys texana* (Texas River Cooter), *Chelydra serpentina* (Snapping Turtle), Feeding Behavior and Scavenging. Herpetological Review 45(2): 321-322.

**PRESENTATION ABSTRACTS**

Tibbits, D.M., Kinney, S.T., Chang, C., DiMaio, M., **Marsh, A.**, Olsen, P., Schaller, M., Basu, A. 2025. High-resolution elemental and isotopic mapping of redox gradients and uranium mineralization, Petrified Forest National Park, Arizona. American Geophysical Union Annual Meeting.

Chang, C., Pillai, A., Mitra, A., Tibbits, D., Kinney, S., **Marsh, A.**, John, G., Rock, T., Navas-Acien, A., Schilling, K., Glabonjat, R., Basu, A. 2025. Selenium, aluminum, lithium, and uranium accumulation in plants from an abandoned uranium mine. American Geophysical Union Annual Meeting.

Nolan, M.R., Kligman, B.T., Scher, M., **Marsh, A.D.**, Reid, R., Gill, B. 2025. Community ecology from the Upper Triassic Chinle Formation, southwestern USA: insights from coprolite 𝛿13Corg and 𝛿15N stable isotope geochemistry. Geological Society of America Annual Meeting.

Kligman, B.T., Whatley, R.L., Ramezani, J., **Marsh, A.D.**, Lyson, T.R., Fitch, A. J., Parker, W.G., and A.K. Behrensmeyer. 2025. New fossils bridge a Late Triassic gap in the record of non-marine vertebrate paleocommunities and raise new questions about the end-Triassic extinction. Geological Society of America Annual Meeting.

Kligman, B.T., Whatley, R.L., Ramezani, J., **Marsh, A.D.**, Lyson, T.R., Fitch, A. J., Parker, W.G., and A.K. Behrensmeyer. 2025. Microvertebrate bonebeds, radioisotopic dates, and bridging the gap in non-marine vertebrate paleocommunities preceding the end-Triassic extinction. Society of Vertebrate Paleontology Annual Meeting.

Jasicki-Velin, D., Stocker, M. R., Flis, C., **Marsh, A. D.**, Kligman, B. T., and S. J. Nesbitt. 2025. Bridging fossil gaps: diagnostic features of fossilized shark cartilage from the Upper Triassic. Society of Vertebrate Paleontology Annual Meeting.

Mestriner, G., LeBlanc, A., Funston, G., Evans, D., Rytel, A., Herter, S., Casali, D., Nesbitt, S. J., Scheyer, T., Marsola, J., Müller, R., **Marsh, A.**, Smith, M. E., Sulej, T., Piechowski, R., Muniz, F., Dyer, A., Barrett, P., Ribeiro, A. M., Langer, M. C. 2025. Evolutionary history of tooth attachment systems in Archosauromorpha: understanding the origin and ontogeny of archosaurian thecodonty. Society of Vertebrate Paleontology Annual Meeting.

Foffa, D., Butler, R., Nesbitt, S. J., Stocker, M. R., Parker, W. G., **Marsh, A. D.**, Kligman, B. T. 2025. The vertebrate fauna of the Moenkopi Formation and the diversification of low-latitude Triassic communities. Society of Vertebrate Paleontology Annual Meeting.

Burch, H. E., Stocker, M. R., Dineen, A., Foffa, D., Kryder, S., Keeble, E., Kligman, B. T., **Marsh, A. D.**, Parker, W. G., Nesbitt, S. J. 2025. Composition, trophic interactions, and community structure of a diverse Upper Triassic microvertebrate assemblage from the Norian of northeastern Arizona, U.S.A. Society of Vertebrate Paleontology Annual Meeting.

Pittinger, D., **Marsh, A.**, Kligman B., Haridy, Y. 2025. Caudal autotomy in tanystropheids (Reptilia, Tanyasauria): the first known occurrence of tail-shedding in archosauromorphs. Society of Vertebrate Paleontology Annual Meeting.

Chang, C., Glabonjat, R., Schilling, K., Tibbits, D., Kinney, S. Marsh, A., John, G., Navas-Acien, A., Basu, A. 2025. Selenium speciation in hyperaccumulating desert plants from an abandoned uranium mine (Arizona, USA). Goldschmidt.

Basu, A., Chang, C., Kinney, S., Tibbits, D., Marsh, A., John, G., Schilling, K., Navas-Acien, A., Halliday, A. 2025. Uranium isotopes in plant tissues trace contamination source and cycling. Goldschmidt.

Marsh, A.D., Sidor, C.A., Armour Smith, E. 2024. The hidden diversity of monodominant macrofossils bonebeds: a case study in allokotosaurian archosauromorphs from the Upper Triassic Chinle Formation Society of Vertebrate Paleontology Annual Meeting.

Huttenlocker, A.K., Henrici, A.C., Irmis, R.B., **Marsh, A.D.**, Sumida, S.S., Tse, Y.-T. 2024. New diadectomorphs from the Carboniferous-Permian Cutler Group of Utah and their stratigraphic significance. Society of Vertebrate Paleontology Annual Meeting.

McKinney, I.T., **Marsh, A.D.**, Kligman, B.T. 2024. Exemplary excretions: a close examination of a Late Triassic coprolite and possible evidence of cannibalism in parasuchid phytosaurs. Society of Vertebrate Paleontology Annual Meeting.

Kligman, B.T., **Marsh, A.D.**, Melstrom, K.M., Stocker, M.R. 2024. Exceptionally diverse lepidosaur assemblage from the Late Triassic of equatorial Pangaea fills gap in squamate origins. Society of Vertebrate Paleontology Annual Meeting.

Melstrom, K.M., Kligman, B.T., **Marsh, A.D.**, Nesbitt, S.J., Irmis, R.B. 2024. Dental complexity disparity of Late Triassic reptiles resembles extant Sauria. Society of Vertebrate Paleontology Annual Meeting.

Goldsmith, E.R., Barta, D., Nesbitt, S.J., Kligman, B.T., **Marsh, A.D.**, Parker, W.G., Stocker, M.R. 2024. Osteohistology of a tiny phytosaur femur: implications for the evolution of archosaur growth dynamics. Society of Vertebrate Paleontology Annual Meeting.

Parker, W.G., **Marsh, A.D.**, Martz, J.W., Wagner, D.E., Allen, T.J. 2024. Redefining the Late Triassic Land Vertebrate Teilzones in the Chinle Formation of Petrified Forest National Park. Society of Vertebrate Paleontology Annual Meeting.

Melstrom, K.M., Kligman, B.T., **Marsh, A.D.**, Nesbitt, S.J., Irmis, R.B. 2024. Dental complexity disparity of Late Triassic reptiles approaches that of extant Lepidosauria. North American Paleontological Convention.

Kligman, B.T., **Marsh, A.D.**, Melstrom, K.M., Stocker, M.R. 2024. Exceptionally diverse Late Triassic lepidosaur assemblage illuminates squamate origins. North American Paleontological Convention.

Goldsmith, E.R., Barta, D., Nesbitt, S.J., Kligman, B., **Marsh, A.**, Parker, W., Stocker, M.R. 2023. Osteohistology of a tiny phytosaur femur: implications for the evolution of early archosaur growth. The Society for Integrative and Comparative Biology, Annual Meeting.

**Marsh, A.D.**, Beightol, C.V., Toth, N.G., Kligman, B.T., Parker, W.G. 2023. Systematic paleontological inventory of newly acquired lands at Petrified Forest National Park reveals unprecedented diversity of Late Triassic terrestrial vertebrates. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2023.

Foffa, D., Nesbitt, S. J., Stocker, M. R., Kligman, B. T., **Marsh, A. D.**, Parker, W. G., and Butler, R. 2023. Ecological recovery and diversification of early Mesozoic, low latitude vertebrate assemblages. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2023.

Milner, A.R.C., **Marsh, A.D.,** Sues, H.-D., Buchwitz, J.C., Carter, H.A., Santucci, V.L. 2023. Preliminary report of tritylodontid bonebeds in the Lower Jurassic Kayenta-Navajo Transition (Glen Canyon Group) at Glen Canyon National Recreation Area, Utah. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2023.

Boudreau, D., **Marsh, A.**, Smith, M. 2023. Advancing federal paleontology management through intra-agency collaboration in the National Park Service. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2023.

Parker, W.G., Smith, M.E., **Marsh, A.D.** 2023. Building a Triassic Park: formulating a credible scientific research and outreach program for paleontology in a U.S. National Park. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2023.

Griffin, C.T., Pezzoni, N.G., Pintore, R., Irmis, R.B., Smith, N.D., Turner, A.H., **Marsh, A.D.**, Nesbitt, S.J. 2022. Early theropod hindlimbs evolved via shifts in ontogenetic timing. The Society for Integrative and Comparative Biology, Annual Meeting.

Foffa, D., Dunne, E.M., Farnsworth, A., Wynd, B.M., Butler, R.J., Nesbitt, S.J., Fraser, N.C., Brusatte, S.L., Lunt, D.J., Barrett, P.M., Walsh, S., **Marsh, A.D.**, Kligman, B.T., Parker, W.G. 2022. Climate drivers of pterosaur origins. SVP Program and Abstracts Book 2022.

**Marsh, A.D.**, DeBlieux, D.D., Kirkland, J.I. 2022. The first dinosaur skeletal fossils from the Kayenta Formation of Utah. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2022.

Patellos, E.A., Kligman, B.T., **Marsh, A.D.**, Stocker, M.R., Parker, W.G., Nesbitt, S.J. 2022. Quantifying variation in the marginal dentition of a malerisaurine (Allokotosauria) from the Upper Triassic Chinle Formation of Arizona shows statistically distinct morphologies within different tooth-bearing elements. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2022.

Kligman, B.T., **Marsh, A.D.**, Parker, W.G., Nesbitt, S.J., Reyes, W.A., Gee, B.M., Smith, M.E., Stocker, M.R. 2022. New Late Triassic paleocommunity recalibrates the rise of the modern tetrapod evolutionary fauna, placing new constraints on early Mesozoic extinctions. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2022.

Griffin, C.T., Pezzoni, N.G., Pintore, R., Irmis, R.B., Smith, N.D., Turner, A.H., **Marsh, A.D.**, Nesbitt, S.J. 2022. Femoral ontogeny of the Triassic saurischian *Tawa hallae* suggests that neotheropod hindlimbs evolved via shifts in ontogenetic timing. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2022.

Sodano, M.P., Kligman, B.T., Stocker, M.R., **Marsh, A.D.**, Parker, W.G., Pritchard, A.C., Nesbitt, S.J. 2022. A new drepanosaur ungual morphotype from the Sonsela Member of Petrified Forest National Park. . Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2022.

Reyes, W.A., Parker, W.G., **Marsh, A.D.**, Kligman, B.T. 2022. New specimens of *Calyptosuchus wellesi* (Psuedosuchia: Aetosauria) from the Upper Triassic Chinle Formation of Petrified Forest National Park, Arizona, provide new details on the cranial anatomy and intraspecific variation of the taxon. Geological Society of America Abstracts with Programs, v. 50.

Kwiatkowski, C.J., Keating, K.A. Romaine-Elkhadri, Y.A., Harries, E.L., Henderek, R.L., Szydlo, M.D., Hardes, J.G., Gillette, D.D., Thomson, T.J., Milner, A.R.C., **Marsh, A.D.**, Miller, A.E., Kligman, B.T. 2022. A treasure trove of the Triassic tracks: reptile footprint fossils in the Moenkopi Formation revealed by two Scientists in Parks surveys at Wupatki National Monument, north-central Arizona. Geological Society of America Abstracts with Programs, v. 50.

Reyes, W. A., Kligman, B. T., **Marsh, A. D.**, and Parker, W. G. 2022. New insight on the pelvic anatomy of the aetosaur*Calyptosuchus wellesi*(Archosauria: Pseudosuchia) based on a new specimen from the Chinle Formation within Petrified Forest National Park, Arizona,*conference name,*Austin, Texas. 11th Annual Jackson School Research Symposium.

**Marsh, A.**, Parker, W., Nesbitt, S., Kligman, B., Stocker, M., Patellos, E. 2021. A new species of carnivorous azendohsaurid (Archosauromorpha) from the Chinle Formation of Petrified Forest National Park. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2021.

Kligman, B., Stocker, M., **Marsh, A.**, Nesbitt, S., Parker, W. 2021. New Late Triassic stem-caecilian from southwestern North America strengthens evidence for lissamphibian monophyly, and illuminates the anatomical, functional, and geographic origins of living caecilians. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2021.

Ezcurra, M.D., **Marsh, A.D.**, Irmis, R.B., Nesbitt, S.J. 2021. A revision of coelophysoid theropod specimens from Petrified Forest National Park, Arizona (U.S.A.), reveals a new species from the Upper Triassic Chinle Formation. Jornadas Argentinas de Paleontología de Vertebrados, Libro de Resúmenes: R16

Baez J, Kinney S, Chang C, Parker W, **Marsh A**, Olsen P. 2020. Did the Manicoagan Impact cause a biotic turnover 215.5 million years ago? Constraints from airfall and detrital zircon U-Pb LA-ICP-MS geochronology. Geological Society of America Abstracts with Programs.

**Marsh, A.D.**, Parker, W.G., Beightol, C.V., Sidor, C.A. 2020. Apomorphy-based identifications of recently collected dinosauromorph fossils from Petrified Forest National Park (Upper Triassic, Chinle Formation). Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Smith, M.E., Kligman, B.T., Yarborough, V., **Marsh, A.D.** 2020. Screenwashing, micropreparation, and micro CT: a case study of how preparation workflow facilitates research on microfossil localities at Petrified Forest National Park. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Mellett, M.P., Kligman, B.T., **Marsh, A.D.**, Parker, W.G., Nesbitt, S.J., Stocker, M.R. 2020. Dental microwear analysis of two new species of trilophosaurid from the Chinle Formation (Arizona) reveals diversity of herbivorous diets within the clade. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Patellos, E.A., Kligman, B.T., **Marsh, A.D.**, Stocker, M.R., Parker, W.G., Nesbitt, S.J. 2020. Characterization of dental variation in a small azendohsaurid from the Chinle Formation (Upper Triassic) of Arizona indicates the abundance of azendohsaurids in Adamanian biozone assemblages. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Reyes, W.A., Parker, W.G., **Marsh, A.D.** 2020. Cranial analysis of Aetosauria based on the cranial anatomy and dentition of Typothorax coccinarum (Archosauria: Pseudosuchia) from the Upper Triassic Chinle Formation of northern Arizona. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Smith, M.E., Kligman, B.T., Yarborough, V., **Marsh, A.D.** 2020. Screenwashing, micropreparation, and micro CT: a case study of how preparation workflow facilitates research on microfossil localities at Petrified Forest National Park. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Sodano, M.P., Kligman, B.T., Stocker, M.R., **Marsh, A.D.**, Parker, W.G., Pritchard, A.C., Nesbitt, S.J. 2020. Unique internal and external morphologies of manual unguals of Drepanosauromorpha help identify isolated skeletal elements and geographic distribution of the clade in the western U.S.A. during the Late Triassic and beyond. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2020.

Eddins, H.M.S., Kligman, B.T., Nesbitt, S.J., **Marsh, A.D.**, Parker, W.G., Stocker, M.R. 2020. New Triassic reptile reveals oldest record of a complete envenomation apparatus. Society for Integrative and Comparative Biology Program: 61.

Kligman, B.T., Stocker, M.R., Nesbitt, S.J., **Marsh, A.D.**, Parker, W.G. 2019. New trilophosaurid species demonstrates extinction-driven drop in allokotosaur diversity across the Adamanian-Revueltian biozone boundary in the Late Triassic of western North America. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2019: 131.

Davis, E.B., Ghezzo, E., Massironi, M., Malavasi, S., Bianucci, G., Gioncada, A., **Marsh, A.D.**, Parker, W.G., Hopkins, S.S. 2019. High resolution remote sensing applied to paleontology: case studies from satellite imagery and conventional camera photos. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2019: 87.

**Marsh, A.D.** 2019. A near miss, the importance of public museum collections, and a global range extension of non-dinosaur dinosauromorphs in North America. Geological Society of America Abstracts with Programs 51: 251.

Bevers, J., Neff, C., Hernandez, G., Curtis, D., Fiorentino, S., **Marsh, A.D.**, Smith, M., Kligman, B.T. 2019. First two seasons surveys of fossils from four Hemphillian localities at Petrified Forest National Park. Geological Society of America Abstracts with Programs 51: 237.

Gehrels, G., Giesler, D., Olsen, P.E., Kent, D.E., **Marsh, A.D.**, Parker, W.G., Rasmussen, C., Mundil, R., Irmis, R.B., Geissman, J. 2019. LA-ICPMS U-Pb geochronology of detrital zircon grains from the Chinle Formation (Colorado Plateau Coring Project). Geological Society of America Abstracts with Programs 51: 177.

Parker, W.G., Marsh, A.D., Beightol, C.V. 2019. Examining Late Triassic (Norian-Rhaetian) terrestrial faunal assemblage compositions in the Chinle Formation of northeastern Arizona. North American Paleontological Convention Program with Abstracts, PaleoBios 36: 277.

**Marsh, A.D.**, Smith, M., Parker, W.G., Kligman, B.T., Irmis, R.B. 2019. New specimens of Acaenasuchus geoffreyi (Archosauria) from Petrified Forest National Park (Arizona) support evidence for a new Triassic clade of armored pseudosuchians in North America. North American Paleontological Convention Program with Abstracts, PaleoBios 36: 233.

Ghezzo, E., Giovanni, B., Malavasi, S., **Marsh, A.D.**, Davis, E. 2019. High-resolution multispectral images for fossil detection: applications of spectral properties of fossils to remote field surveys. North American Paleontological Convention Program with Abstracts, PaleoBios 36: 151.

**Marsh, A. D.**, Smith, M. E., Parker, W. G., Irmis, R. B., and B. T. Kligman. 2018. New specimens of *Acaenasuchus geoffreyi* (Archosauria: Pseudosuchia) support the presence of a new Triassic clade of armored pseudosuchians. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2018: 4.

Beightol V, C. V., Parker, W. G., Martz, J. W., and **A. D. Marsh**. 2018. Estimating the statistical error of observed biostratigraphic ranges within Adamanian-Revueltian vertebrate assemblages of the Late Triassic Chinle Formation of Arizona to test for an abrupt turnover event. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2018: 88.

Nesbitt, S. J., Griffin, C., Evans, E., Mueller, R. T., Cabreira, S. F., **Marsh, A. D.**, Wynd, B. M., and M. C. Langer. 2018. Prevalent ontogenetic changes characterize early dinosaurs and their closest relatives: implications for species identification, phylogeny, and the loss of these changes in later dinosaurs. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2018: 190.

Parker, W. G., Stocker, M. R., and **A. D. Marsh**. 2018. The purported Late Triassic crocodylomorph *Parrishia mccreai* is a juvenile phytosaur. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2018: 195.

**Marsh, A. D.** 2018. Anatomy, systematics, and geochronology of *Dilophosaurus wetherilli*. PaleoBios 35 (supplement): 10-11.

**Marsh, A.D.** 2018. Anatomy, systematics, and geochronology of *Dilophosaurus wetherilli* (Dinosauria: Theropoda) from the Early Jurassic Kayenta Formation of Arizona. 114th Annual Cordilleran GSA Section Meeting.

Parker, W.G., Martz, J., **Marsh, A.D.**, Kligman, B.T., Beightol, C.V. 2018. Examining Late Triassic (Norian-Rhaetian) terrestrial faunal assemblage compositions in the Chinle Formation of northeastern Arizona; implications for Triassic extinction events. 114th Annual Cordilleran GSA Section Meeting.

**Marsh, A. D.**, Parker, W. G., Kligman, B. T., and E. J. Lessner. 2017. Bonebed of a carnivorous archosauromorph from the Chinle Formation (Late Triassic: Norian) from Petrified Forest National Park. Geological Society of America Abstracts with Programs 2017: 244.

Nesbitt, S. J., Stocker, M. S., Ezcurra, M., Fraser, N. C., Heckert, A. B., **Marsh, A. D.**, Parker, W. G., Mueller, B., and A. C. Pritchard. 2017. The ‘strange reptiles’ of the Triassic: the morphology, ecology, and taxonomic diversity of the clade Allokotosauria illuminated by the discovery of an early diverging member. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2017: 45.

Lessner, E. J., Parker, W. G., Nesbitt, S. J., **Marsh, A. D.**, Irmis, R. B., and B. Mueller. 2017. Reconstructing Late Triassic vertebrate faunas from the Upper Triassic Dockum Group of Texas using apomorphy-based identifications. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2016: 149.

**Marsh, A. D**, and W. G. Parker. 2017. Current paleontological research and opportunities at Petrified Forest National Park. PaleoBios 34(supplement): 8.

**Marsh, A. D.**, Parker, W. G., Langer, M. C. and S. J. Nesbitt. 2016. An anatomical and phylogenetic revision of *Chindesaurus bryansmalli* from Petrified Forest National Park and its implication for the Late Triassic dinosaurian record of North America. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2016: 184.

Parker, W. G., **Marsh, A. D.**, Nesbitt, S. J., Stocker, M. R., and M. E. Smith. 2016. The decline of early archosauromorphs in the Norian (Upper Triassic) in the low latitudes: new insights from the Upper Triassic Chinle Formation of Arizona. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2016: 202.

**Marsh, A. D.** 2015. A comprehensive study of *Dilophosaurus wetherilli*: anatomy, taxonomy, and evolutionary relationships of the first large-bodied theropod in North America. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2015: 175.

**Marsh, A. D.**, Parker, W. G., and M. C. Langer. 2015. New information on the holotype and referred specimens of *Chindesaurus bryansmalli* from Petrified Forest National Park. V Congreso Latinoamericano de Paleontologia Libro de Resumenes: 49.

**Marsh, A. D.** 2015. Anatomy and systematics of the early sauropodomorph *Sarahsaurus aurifontanalis* from the Kayenta Formation of Arizona, USA. V Congreso Latinoamericano de Paleontologia Libro de Resumenes: 96.

**Marsh, A. D.** 2014. Preliminary U-Pb detrital zircon dates from the Kayenta Formation of Arizona. PaleoBios 32(1) Supplement: 10.

**Marsh, A. D.**, Rowe, T., Simonetti, A., Stockli, D., and L. Stockli. 2014. The age of the Kayenta Formation of northeastern Arizona: overcoming the challenges of dating fossil bone. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2014: 178.

Mossbrucker, M. T., R. T. Bakker, and **A. D. Marsh**. 2013. Missing muzzle found: new skull material referable to *Apatosaurus ajax* (Marsh 1877) from the Morrison Formation of Morrison, Colorado. Geological Society of America Abstracts with Programs 45(7): 111.

**Marsh, A**., Brown, M., Colbert, M., and T. Rowe. 2012. Combining Mechanical Preparation and X-Ray Computed Tomography Techniques to Visualize Obscured Morphology in a Basal Sauropodomorph Dinosaur. Journal of Vertebrate Paleontology, SVP Program and Abstracts Book 2012: 20A.

**Investigating the age of the Kayenta Formation (Glen Canyon Group) in northern Arizona and southern Utah**. Central Arizona Geology Club, Prescott, AZ (2018).

**Enabling legislation- what can we do and why can we do it?** State of the Park, Petrified Forest National Park, Arizona (2017).

**Current paleontological research and opportunities at Petrified Forest National Park.** University of California Museum of Paleontology Lunch Seminar Series, Berkeley, CA (2017).

**Paleontology at PEFO.** State of the Park, Petrified Forest National Park, Arizona (2016).

**An introduction to the Late Triassic and Early Jurassic dinosaurs of the American southwest, part 2.** Paleontological Society of Austin, Austin, TX (2015).

**Identifying spatial heterogeneity in the elemental concentration of Early Jurassic dinosaur bones: implications for the direct radiometric dating of fossil bone,** Jackson School of Geosciences Research Symposium, Austin, TX (2014).

**The saurischian dinosaurs and uranium geochemistry of the Kayenta Formation, northeastern Arizona.** University of California Museum of Paleontology Lunch Seminar Series, Berkeley, CA (2014).

**An introduction to the Late Triassic and Early Jurassic dinosaurs of the American southwest.** Paleontological Society of Austin, Austin, TX (2013).

**What's new in paleontology at Petrified Forest National Park?** Petrified Forest National Park, Petrified Forest National Park, AZ (2013).

**The osteology of *Sarahsaurus aurifontanalis* and the age of the *Sarahsaurus* Quarry (Kayenta Formation), Coconino County, Arizona.** Master's Saturday, Jackson School of Geosciences, Austin, TX (2013).

**Paleontological field work in the American west and actinide crystal chemistry.** UT Paleontology Seminar, Jackson School of Geosciences, Austin, TX (2011).

**OTHER ARTICLES**

Brown, M.A., **Marsh, A. D.** 2021. El auténtico *Dilophosaurus*. Investigatión y Ciencia.

Brown, M.A., **Marsh, A. D.** 2021. Entzauberung eines Filmböswichts. Spektrum.

**Marsh, A. D.** 2021. New fossils clarify the early evolution of modern frogs in North America. Intermountain Park Science 1: https://www.nps.gov/articles/000/new-fossils-clarify-the-early-evolution-of-modern-frogs-in-north-america.htm.

Brown, M.A., **Marsh, A. D.** 2020. Le dilophosaure post-Hollywood. Pour la Science 4(522):54-62.

Brown, M.A., **Marsh, A. D.** 2020. The Real *Dilophosaurus*. Scientific American 324(1):46-53.

Santucci, V. L., **Marsh, A. D.**, Parker, W. G., Chure, D., and D. Corrick. 2018. “Age of Reptiles”: uncovering the Mesozoic fossil record in three Intermountain national parks. IMR Crossroads, National Park Service (Spring): 4-11.

**Marsh, Adam**. 2017. A bigger footprint, a bigger picture. Sojourns 12(1): 44-45.

**Marsh, Adam.** 2016. Time slices. Sojourns 11(1): 19-21.