

# Michael T. Read, Ph.D.

Lecturer, Outreach & Recruitment Coordinator  
Department of Earth Sciences and Geologic Resources  
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Research focused on Late Pennsylvanian-Early Permian fusulinid and conodont biostratigraphy and paleobiogeography. Most recent work concerned with the integrated correlation of Paleo-Tethyan and North American stratigraphic successions. Other research and teaching interests include invertebrate paleontology, micropaleontology, oceanography, carbonate sedimentology, sequence stratigraphy, and the paleogeographic evolution of western North America.

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## EDUCATION

**December 2018**                      **Ph.D.** – University of Texas at Arlington, Earth and Environmental Science

Dissertation: *Fusulinid and conodont biostratigraphy of the Upper Pennsylvanian–Cisuralian Riepe Spring Limestone, Spruce Mountain Ridge, Elko County, Nevada, U.S.A.*

Major Professor: Dr. Merlynd K. Nestell

**December 2012**                      **B.S.** – University of Texas at Arlington, Geology (**Minor:** Biology)

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## PROFESSIONAL EXPERIENCE

**Fall 2019 – Present**                      **Lecturer**  
Department of Earth Sciences and Geologic Resources, Stephen F. Austin State University

**Summer 2019, 2020, 2022**                      **Adjunct Professor - Field Camp**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**Summer 2019**                      **Postdoctoral Researcher (part-time)**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

- Research advisor: Dr. Merlynd K. Nestell

**Spring 2019**                      **Adjunct Professor**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**Fall 2016 – Fall 2018**                      **Instructor (as Graduate Teaching Assistant)**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**Summer 2016, 2017**                      **Graduate Teaching Assistant - Field Camp**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**Fall 2015, Spring 2018**                      **Guest Researcher**  
Department of Paleobiology, Smithsonian National Museum of Natural History

**Fall 2015 – Fall 2018**                      **Carbonate Thin Section Instructor**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**Spring 2014 – Spring 2016**                      **Graduate Teaching Assistant**  
Department of Earth and Environmental Sciences, University of Texas at Arlington

**COURSES TAUGHT**

Fundamentals of Earth Science (GEOL 1301/1001)  
 Introductory Geology (GEOL 1303/1103)  
 Historical Geology (GEOL 1304)  
 Oceanography (GEOL 3303)  
 Field Geology (GEOL 3664)  
 Invertebrate Paleontology (GEOL 3361/3061)  
 Texas Hill Country Field Trip (GEOL 4171)  
 Senior Seminar (GEOL 4179)

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**GRANTS & AWARDS**

October 2020	SFA Center for Teaching & Learning Award for Excellence in Online Course Design
October 2018	Dallas Paleontological Society's Frank Crane Memorial Scholarship
May 2017	Geological Society of America graduate student research grant for $^{87}\text{Sr}/^{86}\text{Sr}$ chemostratigraphy of the Cisuralian part of the Riepe Spring Limestone, NV
August 2010	University of Texas at Arlington Outstanding Transfer Scholarship

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**INVITED TALKS**

October 2018	Dallas Paleontological Society – “Pennsylvanian-Permian microfauna of the Riepe Spring Limestone, Spruce Mountain Ridge, Nevada”
April 2018	Dallas Paleontological Society (research scholarship overview) – “Fusulinid and conodont biostratigraphy of the Upper Pennsylvanian-Cisuralian Riepe Spring Limestone, Spruce Mountain Ridge, Elko County, Nevada, U.S.A.”
May 2017	UT Arlington Geological Society – “Biostratigraphy of the Pennsylvanian-Permian boundary interval of the Riepe Spring Limestone, North Spruce Mountain Ridge, Nevada, U.S.A.”

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**OUTREACH**

January 2020, February 2023	Coston Elementary School, Lufkin, TX – College & Career Day
November 2019	Naranjo Museum of Natural History – Artifact Identification Weekend
October 2018	UTA EES GeoCamp program – Careers in Earth Science
November 2017	Cub Scouts of America, McKinney, TX – Late Cretaceous Paleontology of the Dallas/Fort Worth Area
September 2017	Dallas Paleontological Society, PIT (Paleontologists in Training) – Introduction to Microfossils
February 2017	Miller Elementary School, Richardson, TX – A Day in the Life of a Geologist

## CONFERENCE PRESENTATIONS

- Read, M.T.**, and Nestell, M.K., 2023, Middle Pennsylvanian-Cisuralian (Early Permian) fusulinids from the Cache Creek Complex near Meadow Lake, southern British Columbia, Canada: An exotic fauna with Paleo-Tethyan affinities (abstract). *FORAMS 2023 – The International Symposium on Foraminifera*, p. 216-217.
- Leidy, B.J., **Read, M.T.**, and Nestell, M.K., 2023, Carbonate microfacies of the Middle to Upper Pennsylvanian Cache Creek Group at Meadow Lake, British Columbia, Canada. *Texas Academy of Science Annual Meeting (TAS 2023)*.
- O’Neill, J.L., Nielson, R.L., and **Read, M.T.**, 2020, Lamniform and carcharhiniform sharks of the Weches Formation, Nacogdoches County, Texas (abstract). *GSA South-central Section Meeting, Abstracts with Programs*, paper no. 10-7.
- Read, M.T.**, and Nestell, M.K., 2020, Kasimovian-Gzhelian (Late Pennsylvanian) conodonts from the lower and middle informal members of the Riepe Spring Limestone, Elko County, Nevada (abstract). *GSA South-central Section Meeting, Abstracts with Programs*, paper no. 10-2.
- Read, M.T.**, and Nestell, M.K., 2018, Global distribution of the fusulinacean genus *Biwaella* (extended abstract). *XVII All-Russian Micropaleontological Conference, Abstracts with Programs*, p. 127-131.
- Williams, B.A., Nestell, M.K., Nestell, G.P., Rashall, J.M., and **Read, M.T.**, 2018, The microfossil assemblage of the upper Salesville cycle (early Missourian, Pennsylvanian) near Mineral Wells, Texas (abstract). *AAPG Southwest Section Meeting, Abstracts with Programs*, poster no. 2-5-20.
- Read, M.T.**, and Nestell, M.K., 2017a, Biostratigraphy of the Pennsylvanian-Permian boundary interval of the Riepe Spring Limestone, North Spruce Mountain Ridge, Nevada: Further evidence for Late Paleozoic glacioeustatic fluctuations (extended abstract). *North American Micropaleontology Section (NAMS–SEPM), Microfossils IV, Abstracts with Programs*, p. 159-160.
- Read, M.T.**, and Nestell, M.K., 2017b, Sakmarian (Early Permian) sulcus-bearing sweetognathid conodonts from Nevada: Early experimentation and novel carinal configurations (abstract). *GSA Northeast/North-Central Section Meeting, Abstracts with Programs*, paper no. 46-3.

## NEWSLETTER CONTRIBUTIONS

- Calvo González, D., Beauchamp, B., Henderson, C.M., and **Read, M.T.**, 2023, Microfacies analysis and biostratigraphy of Lower Permian carbonate-dominated cyclothems, Robledo Mountains (New Mexico, USA) and Carnic Alps (Austria): Insights into the stepwise demise of late Paleozoic ice age (LPIA). *Permophiles*, v. 75.
- Henderson, C.M., and **Read, M.T.**, 2023, Correlation chart for the Lower Permian of the western USA. *Permophiles*, v. 74.

## PUBLICATIONS

- Vaughn, L.W., Leary, R.J., and **Read, M.T.**, 2023, Tectonic and stratigraphic evolution of the late Paleozoic Darwin Basin, eastern California, USA, and implications for the onset of subduction along the southwestern Cordilleran margin of Laurentia. *GSA Bulletin (2023)*.
- Leary, R.J., Quade, J., **Read, M.T.**, and Wahlman, G.P., 2021, Sedimentary record of Late Paleozoic tectonism in the Monitor Range, central Nevada: Implications for convergence along the western Laurentian margin. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 577, p. 1-19.
- Nielson, R.L., **Read, M.T.**, Faulkner, M., Chambers, H.C., and O’Neill, J.L., 2020, Geology of Nacogdoches, Texas. *Texas Academy of Science Field Trip Guidebook, March 1, 2020*, Faculty Publications, 19.
- Read, M.T.**, and Nestell, M.K., 2019b, Lithostratigraphy and fusulinid biostratigraphy of the Upper Pennsylvanian-Lower Permian Riepe Spring Limestone at Spruce Mountain Ridge, Elko County, Nevada, U.S.A. *Stratigraphy*, v. 16, no. 4, p. 195-247.
- Read, M.T.**, and Nestell, M.K., 2019a, Global distribution of the fusulinacean genus *Biwaella*. *Paleontological Journal*, v. 53, no. 8.

**Read, M.T.**, and Nestell, M.K., 2018b, *Douglassites*, a new genus of schubertellid fusulinid from the Virgilian (Upper Pennsylvanian) of Elko County, Nevada, U.S.A. *Micropaleontology*, v. 64, no. 4, p. 317-327.

**Read, M.T.**, and Nestell, M.K., 2018c, Cisuralian (Early Permian) sweetognathid conodonts from the upper part of the Riepe Spring Limestone, North Spruce Mountain Ridge, Elko County, Nevada. *Bulletins of American Paleontology*, nos. 395-396, p. 89-113.

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#### **REFEREE**

Journals: *Bulletins of American Paleontology* (Paleontological Research Institution); *Facies* (Springer); *Micropaleontology* (Micropress); *Palaeogeography, Palaeoclimatology, Palaeoecology* (Elsevier); *SEPM Special Publication*

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#### **AFFILIATIONS**

North American Micropaleontology Section (NAMS) of SEPM – member  
Cushman Foundation of Foraminiferal Research – member  
International Commission on Stratigraphy (ICS) Subcommittee on Permian Stratigraphy – member  
Pander Society (international conodont workers group) – member  
Geological Society of America – member  
Texas Academy of Science – member  
Perot Museum – volunteer fossil preparator (former)