

THE FOSSIL RECORD



UPCOMING MEETING: SIDERITE, CONCRETIONS, AND SIDERITE CONCRETIONS

by Tom Dill

Safe in our cocoons, like leaf fossils in concretions. Our next meeting will be on Wednesday, February 9th, at 7 p.m. Central time, virtually on Zoom. We will not be holding a face-to-face component of the meeting this month. Dr. James Thomka, Assistant Professor at State University of New York at Plattsburgh, will speak on "Siderite, Concretions, and Siderite Concretions".

Dr. Thomka earned a BS degree from the University of Tennessee in Martin, Tennessee, with two senior theses - one on siderite concretions and the second on Cambrian stromatolites. He went on to Auburn University in Alabama for his MS degree with a thesis on exceptionally-preserved crinoids from the Upper Pennsylvanian Barnsdall Formation in northeast Oklahoma. He then earned his PhD degree at the University of Cincinnati for a dissertation on the Silurian fossils of Eastern Laurentia. He taught at the University of Akron for several years before moving to SUNY Plattsburgh in 2019. He has co-written more than 40 papers and 90 abstracts on paleontology, with most of his recent publications on Silurian crinoids and their parasites and predation. He continued his undergraduate interest in siderite with his paper with R. D. Lewis "Siderite concretions in the Copan crinoid Lagerstätte (Upper Pennsylvanian, Oklahoma): Implications for interpreting taphonomic and depositional processes in mudstone successions" in *Palaios* in 2012. In North Texas, we have abundant siderite concretions in the Cretaceous Eagle Ford Shale and the Pennsylvanian Finis Shale, among other units. In other places siderite concretions enclose excellent fossils, such as the famous Mazon Creek biota of Illinois.



Neuropteris scheuchzeri (seed fern), Pennsylvanian (315 Ma), Mazon Creek Formation, Francis Ck Shale, Will Co, Illinois (photo from C. Zambell, Rutgers University Plant Fossil Teaching Collection, Wikimedia Commons.)

You can join our Zoom meeting by clicking on this link: <https://us06web.zoom.us/j/83765036222> or start the Zoom app and enter the Meeting ID: **837 6503 6222**. You will then need to enter the Passcode: **618114**. Remember to mute your audio until you are ready to speak, especially during the presentation. Post questions for James in the chat box, starting with the uppercase 'QUESTION' so they are easy to spot. We hope to see you online.

REVIEWING INITIATIVES WITH THE PRESIDENT

By Estée Easley

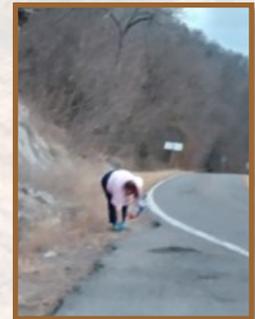
As President, I have had a few Society initiatives:

1. Honor Chuck Finsley's memory in every action
2. Promote trash pickup while hunting fossils
3. Start a journal club
4. Encourage rapport with Charter members

Here's how I think I am doing. Please absolutely email me if you think differently! I am always ready to listen.

1. I hold my memories of Chuck dearly, as those in DPS who knew him also do, and as I made decisions, requests, votes, or changes, I consider and ensure I am honoring his intentions. As times and technology have changed, I do not ask myself, "What would Chuck do?" because we can't be sure of that answer. Instead, I ask myself if I am staying true to his legacy and the DPS Mission. I believe I am, and I trust the Executive Officers and other members to question me if at any time I am not.

2. When I was VP, I started the unnamed DPS cleanup program, and I am still very supportive of it today. For those who don't know and those who forget to do this, simply take a trash bag with you every time you go fossil hunting. Pick up trash you find next to fossils you find. Easy enough! If you would like to submit a name, slogan, or logo for this program, please email me at president@dallaspaleo.org.



Estée picking up wonderful fossils and lots of litter in Oklahoma, March 2021.

3. The journal club idea went over like a lead balloon. Not all my initiatives need to be successful, right? It was basically a book club but for current articles on paleontology. I found out recently that DPS had a similar idea back in the 80s! It didn't last, either.

4. This initiative is brand new. Our Charter members are very important not only to the history of the Society but to the current activities of DPS, as well. I would like to challenge every one of our members to introduce yourself to one or more of our Charter members and learn something from them. Reach out in person at a meeting, on Zoom, on a fossil trip, or even at the Perot. I challenge our Charter members to meet and share with someone new. You might share something about Chuck, the founding of DPS, your fossil finds, an autograph, or maybe your secret fossil spot.

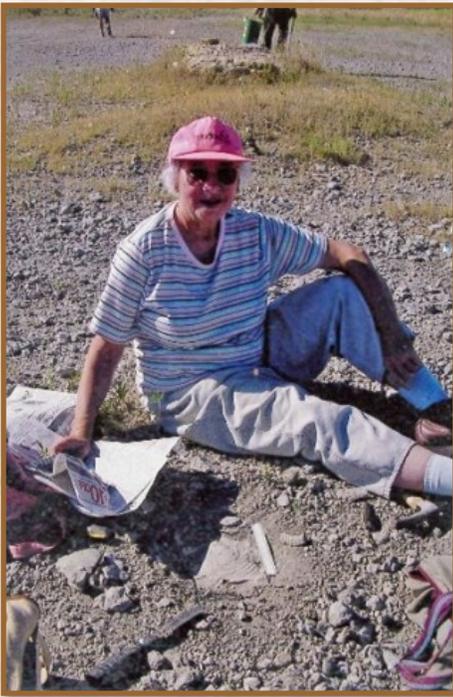
Thank you, all, and feel free to attend our Executive Meeting on the second Wednesday of each month at 7:00pm, Zoom ID 882 2320 3521.

Charter Members of DPS		
Henry F. Ball	Gary H. Beadel	Mr & Mrs Jessy Boedeker
James M. Bryant	Dennis Canpbell	Jim Carroll
Robert Cattley	Kevin Coleman	Jan Collmer
Robert Collmer	Adriana Comini	Gary L. Cook
Frank Crane	Steven Crane	Anna Ruth Cress
Jim Cunliffe	Rosalie N. Cutrer	David Daniel
Eric B. Barnell	Roberta Dierken	Michael A. Edgemon
Robert Evans	James & Margorie Ferguson	Charles Finsley
Mike Fowler	Dennis & Cynthia Fryar	Joseph F. Gallo
David Garrett	Lorine Gibson	Jimmy Green
Ted Gruen	Bob Hall	Bruce Handley
Joe Herndon	Lloyd E. Hill	Frank K. & Mary Holterhoff
Jim Howes	Louis Jacobs	Bobby Jennings
Francis Jensen	Dorothy Joseph	Tom Kamin
Rickie Kelsey	Joseph P. Kennedy	Harry Ketter
Chris Kline	Charles E. Langkford	Mary Lavigne
William S. Lowe	Evelyn Luciani	Duncan & Sandy McKenzie
Rocky Manning	Mrs. Lindsey J. Marshall	Gary S. Martyr
Jimmy N. May	Jeffrey D. McLaughlin	John W. McLeland
W.E. & Lorraine R. Meenan	James Merrett	John P. Meyer
Becky A. Miller	Lee Miller	Aifie Montagne
John Moody	Claudine R. Morgan	Mr. & Mrs. Jack Murphrey
Alice Murphy	John R. Nutini	Robert F. Patton
Jimmy Payne	Edwin F. Pegelow, Jr.	Walter Pepper
Arlene Pike	Robert Price	Gene Rhoden
LaVerna Ricco	Virgil Riordan	Terry Roe
Yvonne Rogers	Gail Rymess	Lewis & Melissa Sadler
John R. Schulz	Joan Scott	John Sellinger
Martin & Victoria Selznick	Tom Seward	Arun Sinha
Kenneth W. Smith	J.R. Starr	Virginia Stegall
Shirley Strickland	Brenda M.W. Strickler	Roy V. Stults
Fayanne Teague	Fred & Corinne Timm	Richard Van Atta
Ronald Vasicek	Edward C. Verde	Gary Vermillion
James & Sharon Walczak	Sheila R. White	Naoma Wilkins

List of Charter Members from the Feb 1985 DPS newsletter.

REMEMBERING IRENE STEMPLE 1934-2022

Compiled by Roger Farish



Irene passed Sunday, January 9 in Fort Worth, TX. She was a very active member of our Society until the past few years when her health started failing.

Back in 2010 Stephan Gozdecki did a wonderful member profile on Irene that has been updated below.

The Dallas Paleo Society statement of purpose is “promoting the interest in and knowledge of the science of paleontology.” Irene Stemple performed this task for over 60 years. A charter member of the DPS, Irene’s interest in paleontology started as a young girl growing up in the Mohawk Valley of New York. This wonderful setting for a bright, curious child is nestled between the Adirondacks and Catskill Mountains. There are several State and National Parks along with many other locations to enjoy and explore nature’s wonders. Irene would visit many of these sites with family and friends and at age six found herself collecting various brachiopods, trilobites, and other invertebrates even though her mother wasn’t happy with “having those dirty things in the house.”

A graduate from Penn State with a master’s degree in physics and a minor in geology, she easily found employment in several mineral related industries in the area including Vassar College in New York. After getting married, she switched careers and started working as a teacher’s assistant. This allowed her to share her knowledge and enthusiasm of science and schedule time to raise five children. Irene and family moved to Texas in 1967 for husband Norman to get his PhD from TCU. Irene took a Saturday morning position in the Children’s Museum at what is now the Fort Worth Museum of

Science and History. That turned into a 55-year commitment to the education of young students, teens, and adults at the Museum’s school. The purpose of the Museum school is to expand student’s mental horizon with hands-on experiences in the wonderful world of science.

A friend once mentioned to Irene about a new group over in Dallas that was forming to promote the science of paleontology, so she was there at the start of the Dallas Paleontological Society. She soon found herself making new friends and having many interesting experiences. Few, if any, members of the DPS have led as many field trips and touched more lives than Irene. She enjoyed her students’ reaction to finding “treasures” out in the field and discussions before and after. One of her favorite sites was working in Rattlesnake Canyon near Archer City where she helped extract and prepare a Dimetrodon.

Irene didn’t restrict her paleo interest to just this area. Over the years she developed many relationships with people throughout the United States in order to share and exchange items found in their local areas. She had found numerous ammonites from the Woodbine that were desired by other collectors and happily traded them for their fossils. Making friends, forming relationships, and sharing knowledge, while continuing to learn, made this wonderful woman one of the DPS’s greatest treasures.

Our Society works hard to provide many paleontological services to our members as well as to the community. Sometimes, however, an individual makes a significant contribution to the science of paleontology on their own and would have more of an impact than we do as a group. When this is done over the course of a lifetime, the DPS awards them our highest honor: the “Lifetime Achievement Award.” In 38 years, it had only been awarded three previous times.



We will miss this pillar of our Society. Her obituary can be found at: <https://thompsonfunerals.com/obituaries/>

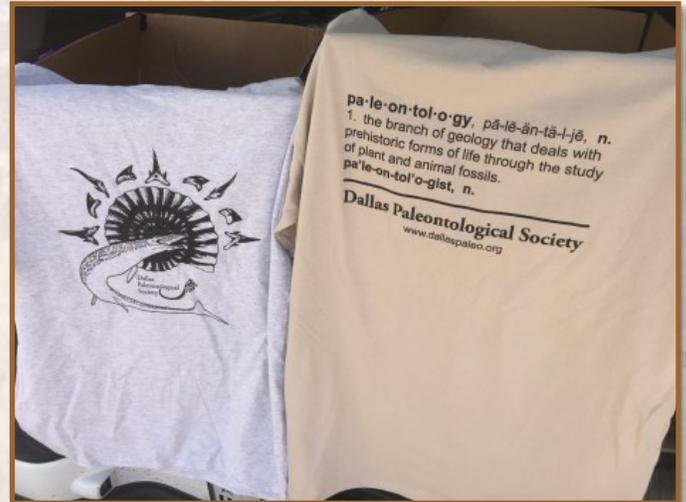
2022 DPS OFFICIAL T-SHIRT CONTEST

Looking to flex your artistic skills? Do you have a knack for drawing dinosaurs and paleontology-related materials? The Dallas Paleontological Society is refreshing the official society t-shirt, and one creative member will have their design selected!

Deadline for entries is March 8, 2022. Email your entry to: pangea@dallaspaleo.org.

The Rules:

- All entries must contain 100% original work or written proof of use by the other creator(s).
- Artwork is limited to paleontology. No human crafted artifacts of any age. No dinosaurs with humans.
- Topics may be specific or a broad area of interest.
- All accepted artwork is at the discretion of the t-shirt committee and has the right to reject any entry for any reason.
- Artwork may be created by hand or with the aid of electronic software including photography and editing or “paint” software.
- Entry may be in black and white or full color.
- Art created by hand such as pencil, charcoal, oil / acrylic paint, sculpture, etc. must be scanned or photographed with the digital image submitted for entry.
- Please submit an image with a minimum of 300 PPI to prevent distortion when printed. Cell camera photographs are acceptable. Print size is estimated at 10” wide by 14” high. Images are easier to shrink without distortion than to enlarge.
- Entries must include / incorporate “DALLAS PALEONTOLOGICAL SOCIETY” or “Dallas Paleontological Society” somewhere in the image / entry. “Dallas Paleo,” “DPS,” or any other change or shortening, abbreviation of the name of the Society constitutes automatic disqualification.
- Topics cannot mention or specify locations like the NSR or Post Oak Creek. (A photograph from said or other identifiable location is permitted providing the location is not specifically identified. Identification includes signage or other text in the photograph or artwork.)
- Entries may contain humor and have a cartoonish art style.
- Accepted entries will be posted on the website, dallaspaleo.org, in the Members Only section for voting. Voting begins on March 10, 2022. Login is required to view and vote.
- Images of the entries will be posted anonymously. (Please don’t post your entry on social media. Non-members cannot vote, and it is not cool.)
- Voting will be by the number of the entry.
- Voting will be anonymous.
- A voter may change their vote from one numbered entry to another prior to the deadline. One vote per membership. One vote per family membership regardless of the number of family members.
- Winner will get one free t-shirt and infinite bragging rights.
- The final design(s) will be posted on the DPS store website. From there people are directed to the Zazzle website. People can order a shirt or sweatshirt in different styles, sizes, and colors. Zazzle will also have the text for the definition of paleontology. Please place this text on the back of your shirt. Products are shipped directly to the buyer. The Society will have some shirts in limited sizes and (one) color at shows like Fossilmania.



CONSTITUTION AND BYLAWS CHANGES PENDING

In the January issue of *The Fossil Record*, proposed changes to the DPS Constitution and Bylaws were outlined on pages 3-7. On February 9, DPS members are invited to voice any feedback regarding the updates.

Why These Are Important:

The DPS Constitution and Bylaws are the backbone of the Society and provide a structured document outlining Society processes.

Why We Need Your Voice and Vote:

Updates to the DPS Constitution and Bylaws are reviewed by the DPS Executive Committee and Advisors to reflect technological updates and clarify the way the Society does business. It is important that DPS members review these changes before implementation so that any questions or concerns can be addressed.

To shorten the time required for discussion at the February meeting, you are invited to send any concerns you want brought to members' attention or ask any questions for clarification by emailing Kate Fenton at VP@dallaspaleo.org.



THE HISTORY CORNER: OUR WEBSITE CAN BE OVERHEARD SAYING "FEED ME!" by Bob Williams

The website of the Dallas Paleontological Society is a living, breathing organ. Old cells are being replaced with new ones, it's putting on new muscle mass, and getting healthier all the time. If you haven't looked lately you should check out a few features you may have missed.

Members can sign in and access a wide range of topics in "Documents and Resources" of the Members Only section under the Home tab. There are guides, presentations, and even a PDF copy of our first issue of the Occasional Papers. Many back issues of *The Fossil Record* can be found there as well.

Under our The Society tab you will see new material on the History Page, too. Updates to the continuing story of DPS as well as lists of members' achievements and awards and fossil donations are now included.

When information becomes available for upcoming events or field trips that require registration you will see it under the Events/Trips tab at the "Upcoming Event Registration" link. That tab also has the most information you can find in one place on the local geological formations. Find it at the "Geology of Dallas and Tarrant Counties" link. We hope to add other counties in the future so keep checking back. Any member with information about local formations can contribute to this resource.

We often add useful links to fossil-related websites under the Links tab. If you haven't browsed them recently you may be surprised. To keep this organ alive, and well it needs to be fed regularly. If you have ideas for content we could gather for inclusion, or if you have already gathered it yourself, let someone in leadership know and we will make sure it is shared with everyone. There is no limit to the space we can use on the website so don't hold back; feed our website!

PALEONTOLOGY IN THE NEWS

Compiled by Andrew “Dino Dad” Stück

Newly Recognized Woodbine Theropods

Multiple discoveries in the Woodbine Group of the Lewisville Formation have significantly increased our knowledge of Appalachian dinosaurs.

Several theropod specimens, though fragmentary, are sufficient to indicate a large-bodied carcharodontosaur (possibly similar to *Siats meekerorum*), a mid-sized tyrannosauroid, a large ornithomimosaur, a large dromaeosaurine, a small dromaeosaurid, a small troodontid, and a small coelurosaur; all dated to between 95-100 million years old.

The Western Interior Seaway had only recently split North America in two at this point, and these finds indicate that resulting subcontinents of Appalachia and Laramidia started off with broadly similar communities of theropods upon their separation.

More information can be found at: <https://peerj.com/articles/12782/>

Quetzalcoatlus Finally Properly Published

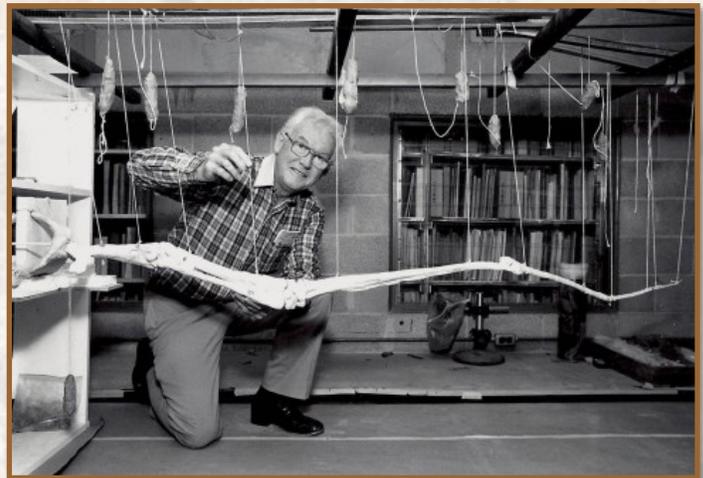
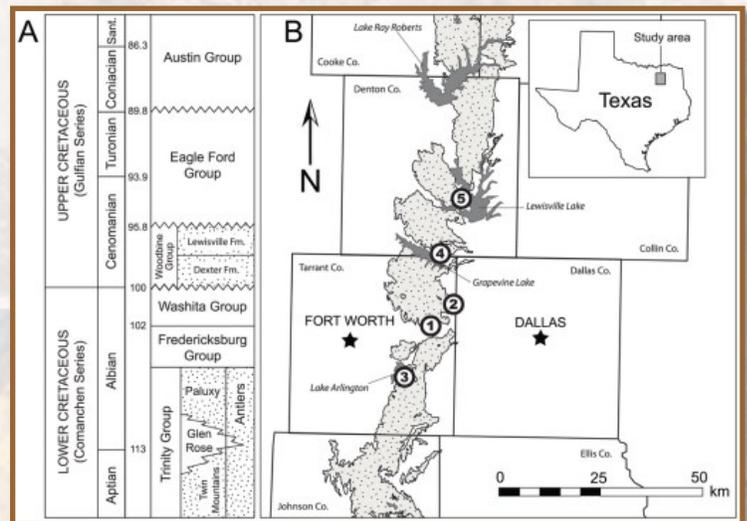
Given its prominence in popular culture and Texan paleontology, it might surprise many that the original *Quetzalcoatlus northropi* fossils (consisting of most of a wing) never actually got a full, scientific description beyond Douglas Lawson's initial report naming the specimen in 1975. Wann Langston assumed control over the material, wanting to be the one to write its definitive description. Langston and colleague Alex Kellner reported on a smaller, unnamed, more complete species that they also referred to *Quetzalcoatlus* in 1996, but again they held off on fully describing it, intending to add it to Langston's promised monograph, though not much progress was made by the time of Langston's death nearly 20 years later.

This month finally sees the publication of this monograph, with Kevin Padian and Matthew Brown brought on to help finish it. The smaller species has received the name *Q. lawsoni*, which possessed a low crest, and had a roughly 20 ft wingspan as opposed to *Q. northropi*'s roughly 35 ft wingspan. An analysis of the biomechanics of *Quetzalcoatlus* confirms the now-standard interpretation of azhdarchid pterosaurs as stork-like “terrestrial stalkers”.

Two findings contradict some prevailing assumptions about pterosaurs, however. The authors claim that the wing membrane would not have extended to the legs, but only attached to the torso, with the legs tucked under the body when in flight. They also contradict the current views on how pterosaurs launched themselves into the air. The standard model posits a quadrupedal stance, with takeoff achieved by vaulting with their wings, while the authors of this publication instead favor a bipedal launch similar to birds, which jump with their legs while flapping their wings.

Mark Witton, another pterosaur expert not involved with the monograph, has indicated dissatisfaction with the wing membrane and launch analysis, and intends to write an informal response in the coming month.

More information can be found at: <https://www.tandfonline.com/toc/ujvp20/41/sup1>



Wann Langston with a model wing from the smaller species of *Quetzalcoatlus*. Credit: The University of Texas at Austin / Jackson School of Geosciences

WOMEN IN PALEONTOLOGY: ESTHER RICHARDS APPLIN— A TRAILBLAZER OF MICROPALAEONTOLOGY

By Tom Vance



Micropaleontology has long been an important area of paleontology not only for the understanding of paleoenvironments but also for the petroleum industry. Some of the lady paleontologists of Texas specialized in this field of science. One such specialist was Esther Richards Applin, who worked for many years in the Bureau of Economic Geology at the University of Texas.

Esther (born 1895-died 1972) was born in Newark, Ohio, of Gary Richards and Jennie DeVore. Her father was a civil engineer with the Quartermaster Department of the U. S. Army, and because of his various transfers, she moved with the family to different locations. One locality was San Francisco immediately after the great 1906 earthquake where her father helped to construct the infamous Alcatraz prison in San Francisco Bay. She lived on the island and rode a ferry to attend school in San Francisco and later at Berkely where she graduated in 1919 with an A. B. Degree in paleontology, geology, and physiography. From that time to 1920, she worked for Rio Bravo Oil Company in Houston here she worked as a paleontologist for E. T. Dumble.

While employed by the Rio Bravo Oil Company, Esther realized that the megafossils she had devoted much time to at Berkely offered little value with subsurface geology because fossil fragments in drill samplings could not be identified. So, she realized that the microfossils offered real hope in correlating subsurface formations. She then returned to the University of California to earn her master's degree with research in micropaleontology. Afterward, she returned to Houston and began a trail-blazing career in micropaleontology by demonstrating that microfossils can be used for stratigraphic correlation. In 1921, Esther read a paper authored by Dumble describing the use of foraminifera in establishing the age of the formations around the salt domes of south Texas at the annual meeting of the Paleontological Society. She was essentially chided as a beginner in the field but was eventually vindicated.



Esther Richards in the field in 1923 near Meridian, Miss. Credit: AAPG Explorer

Esther Richards met another geologist, Paul L. Applin (born 1891-died 1981), who came to the Gulf Coast after studying geology at Dartmouth and Yale.

The two married in 1923 and yielded a son and daughter. She worked for several oil companies until 1927. From 1927-1942, she worked as consulting paleontologist and subsurface geologist in Fort Worth, Texas, and from 1942-1944 as assistant professor of geology at the University of Texas and as a consulting paleontologist for Sun Oil Company from 1943-1944.

The broad scope of Esther's interests is indicated by her early work in California, Mexico, and South Dakota. However, she published mostly on the Mesozoic and Tertiary formations related to the petroleum industry. She and her husband joined the U. S. Geological Survey (USGS) in 1943 and provided the government with one of the most effective teams in its history. She produced many definitive research papers on micropaleontology during her time with the Survey. Although she co-authored numerous papers with other scientists, the team of Applin and Applin provided more comprehensible studies of regional stratigraphy and structure based on micropaleontology. Their summary Professional Papers on the Comanche and Gulf Series of the Cretaceous (1965, 1967) are considered as classics of three-dimensional geology in the southeastern states.

During her later years, Esther was recognized with many honors. She retired from the U. S. Geological Survey in 1962 and shortly thereafter she was awarded the U. S. Department of the Interior Citation for Meritorious Service. She continued to work part time for the USGS on the regional framework of the Atlantic coast and Gulf of Mexico.

Esther was a member of the Society of Economic Paleontologists and Mineralogists, Gulf Coast Section of the SEPM, Mississippi Geological Society, American Association of Petroleum Geologists, and the Geological Society of America. She is also included in *Who's Who of American Women* and *American Men and Women in Science*.

Esther died on July 3, 1972, and is buried in Greenlawn Cemetery, Cheshire, New Hampshire. Paul died on July 14, 1981 and is interred next to Esther.

THE DALLAS PALEONTOLOGICAL SOCIETY IS IN SEARCH OF A NEW PIT CREW LEADER

The ever-uncertain days of trying to manage a business during the time of COVID are unpredictable and difficult to navigate. The increased demands placed on my time, and the need to be extraordinarily flexible are taking their toll on my time. As such my ability to effectively conduct PIT Crew meetings is stretched to breaking. It is not fair to the PIT Crew members. Regrettably, I must step down as PIT Crew Leader, so I am looking for a replacement. I have loved my time as PIT Crew Leader, and will help with the group as much as I am able, I simply cannot do an effective job with work placing so much demand on my time.



The PIT Crew Leader must enjoy working with and have the patience for children of all skill levels and abilities. Must be able to plan and conduct lessons to keep the educational content of our program solid. PIT Crew is not designed to only consist of field trips without Paleontological and Geological education to balance the fun. As PIT Crew Leader, you would set the schedule for educational meetings and field trips. A minimum of one weekend day per month is required, more is up to you. The meetings can combine the educational and the adventure of field trips in one activity, or you can utilize our Zoom account to host educational meetings virtually, to supplement field trips. We have a great group of smart and eager young scientists who

really need a good leader.

Please contact me at education@dallaspaleo.org if you are interested in the position, or would like more information to help you decide.

Joe O'Neil
Education Chair
Dallas Paleontological Society

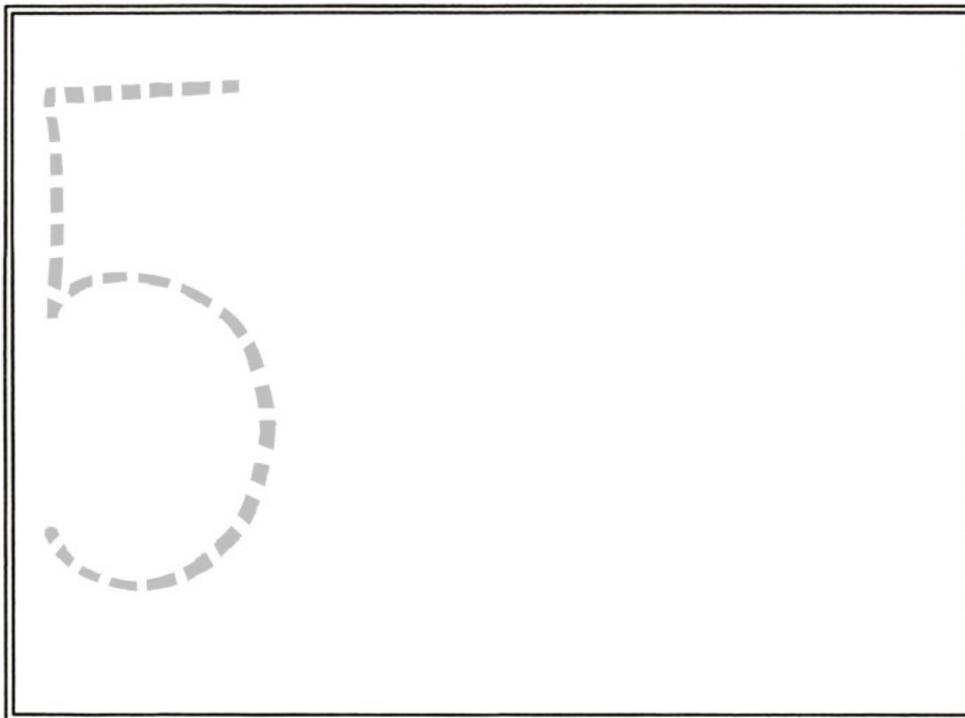
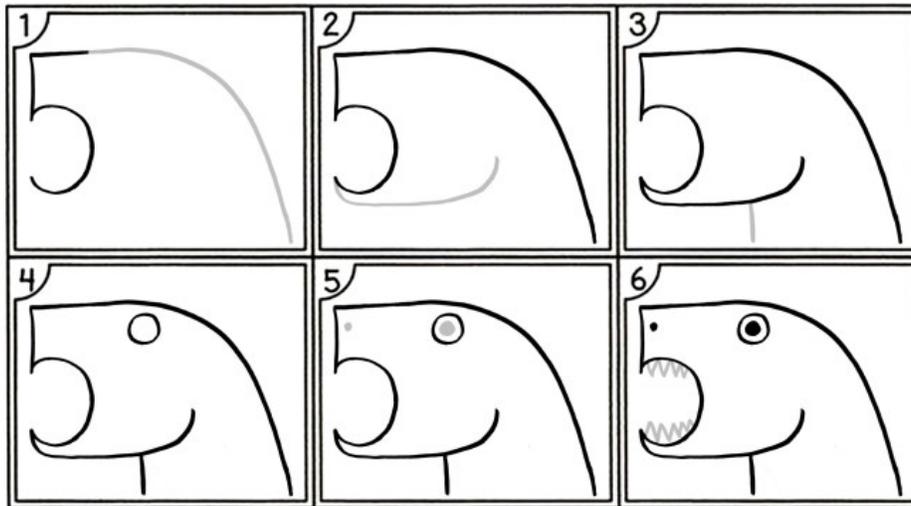
The DPS would like to thank Joe for his time, commitment and passion for education as the PIT Crew Leader. Thank you, Joe!



DINO-MITE ACTIVITY PAGE

by Diane N. Tran

The ever-popular “tyrant lizard king,” *Tyrannosaurus rex*, is one of the most popular dinosaurs—and for good reason. It is one of the most well-researched dinosaurs with more than 40 identified specimens, some of which are nearly complete skeletons, and at least one specimen with soft tissue and protein remains. The longest dinosaur tooth ever recorded belonged to a *T. rex* at a whopping 12 inches long, with the exposed part of the tooth at six inches long and the root measured at six inches below that. Its bite force has been calculated at over 13,000 newtons, which is about 7 tons, enough to crush a car in one bite. Juvenile tyrannosaurs have more teeth than adults because as the *T. rex* ages, two adjoining sockets would fuse together (similar to crocodilians) and be replaced with one giant tooth in its stead. The below activity can be downloaded by [clicking here](#).



dallaspaleo.org

Art © Diane N. Tran

Facebook: trananimation
Instagram: trananimation
Deviant: trananimation-art

How to draw a DINOSAUR (*Tyrannosaurus*) from the number 5!

DALLAS PALEONTOLOGICAL SOCIETY OFFICERS, COMMITTEE CHAIRS, AND ADVISORS

Elected Offices:

President	Estée Easley	president@dallaspaleo.org
Vice President	Kate Fenton	vp@dallaspaleo.org
Secretary	Genevieve Freix	secretary@dallaspaleo.org
Treasurer	Pam Lowers	treasurer@dallaspaleo.org
Editor	Laura Peterson	editor@dallaspaleo.org

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Field Trips Chair	Kim Pervis	fieldtrips@dallaspaleo.org
Historian Chair	Bob Williams	historian@dallaspaleo.org
Hospitality Chair	Lucia Smith	hospitality@dallaspaleo.org
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Promotions Chair	Roger Farish	promotions@dallaspaleo.org
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Scholarships Chair	Roland Gooch	scholarships@dallaspaleo.org
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Social Media Coordinator	Diane N. Tran	

DPS Advisors:

Philip Scoggins, Rocky Manning, Tom Dill

Professional Advisors:

Dr. Tony Fiorillo, SMU Shuler Museum
 Dr. Louis Jacobs, SMU Shuler Museum
 Dr. Merlynd Nestell, University of Texas at Arlington
 Dr. Ron Tykoski, Perot Museum of Nature and Science

The Dallas Paleontological Society was founded in 1984 for the purpose of promoting interest in and knowledge of the science of paleontology. It was intended by the founding members that the Society would be a network for the exchange of data between professionals and serious amateurs in this field.

dallaspaleo.org

The Dallas Paleontological Society meets the second Wednesday of every month at 7:00pm at Brookhaven College, unless we have something special happening that month. Please [check our calendar](#) for exact dates. Original versions of minutes and treasury reports will be available upon requests. Come meet with us, hear a speaker, learn about paleontology, and bring your unidentified fossils and unique finds to share with the group. You will be welcome, and we will enjoy meeting you. For a map of our meeting location visit dallaspaleo.org/contact.

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A group of DPS meeting participants at the first meeting of the DPS this year on January 12, 2022. The meeting was held both in person and on Zoom. Photo by Diane Tran

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Dallas Paleontological Society