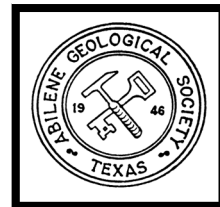
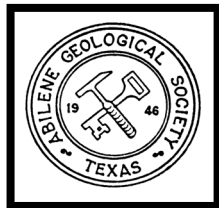


Abilene Geological Society

Newsletter

February 2025



2024-2025 AGS Officers

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Mark McKeehan
(325) 725-3769
mckeehan1@hotmail.com

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Brittnee.brannan@gmail.com

TREASURER:

Allan Frizzell
Geologist
Enrich Oil Corporation
P.O. Box 1320
Abilene, Texas 79604
Office: (325) 673-3739
enrichoilcorp@gmail.com

PAST PRESIDENT:

Brittnee Brannan
(940) 481-0106
Brittnee.brannan@gmail.com

February 20, 2025 Meeting

Thursday at Noon Lunch

\$15.00 for AGS members & Guests

Abilene Country Club (upstairs)

4039 S. Treadaway Abilene, TX 79602

Please **RSVP** by Tuesday Noon, February 18th

Allan Frizzell @ 325.673.3739 or

email: enrichoilcorp@gmail.com

This Month's Luncheon Speaker:

Peter Flaig

**Research Scientist/Associate Professor
Bureau of Economic Geology
The University of Texas at Austin**

**“ Re-evaluating Paleoenvironments &
Depositional System Evolution in the
Strawn Group in Stonewall and King
Counties and Assessing Outcrop
Analog.”**

The Strawn is an extremely important oil/gas producing interval in Texas. Since 2015, 840 wells have been completed in the Strawn, and those wells have produced 17.3 MMbbl of oil and 29.3 bcf of gas. Hence, the State of Texas Advanced Resource Recovery Program (STARR) at the Bureau of Economic Geology has several active projects investigating Strawn reservoirs involving both students and researchers. The purpose of these projects is to refine Strawn paleoenvironmental interpretations and improve our understanding of depositional system evolution to reduce risk for industry. In this talk I will discuss ongoing STARR research along the Eastern Shelf of the Permian Basin in eastern Stonewall and King counties. From the Katz Field through the Anne Tandy and Bateman Ranch Fields the Strawn transitions from primarily siliciclastic deposits to mixed siliciclastics/carbonates to predominantly carbonates. This regional transition is due to the presence of a localized siliciclastic fairway that distributes sediment unevenly across the shelf. I will provide an update on our recent work in the Strawn in this region, discuss lithofacies trends, and propose autogenic vs allogenic forcings that may control regional facies trends. There are significant advantages in providing outcrop analogs for complex reservoir systems. We are currently exploring the Pennsylvanian (Desmoinesian) Bug Scuffle “Limestone” found along extensive outcrops of the Sacramento Mountains near Alamogordo, New Mexico as an outcrop analog for the Strawn. In laterally extensive bluffs near Alamogordo a siliciclastic fairway is exposed between carbonate-dominated intervals along a shallow shelf/ramp. Although this research is in the initial stages I will examine potential similarities in facies trends between the Bug Scuffle and Strawn and discuss the direction of future STARR research in the Sacramento Mountains.

Peter P. Flaig

*Research Scientist /
Research Associate Professor
Sedimentologist-Stratigrapher,
Bureau of Economic Geology,
The University of Texas at Austin*

Background

Peter P. Flaig is a Research Associate Professor in the State of Texas Advanced Resource Recovery (STARR) program at the Bureau of Economic Geology (BEG), UT-Austin. His Master's work took him to the Central Transantarctic Mountains of Antarctica where he examined changes in fluvial style across the Permian-Triassic boundary. During his PhD research on the North Slope of Alaska Peter reconstructed ancient depositional systems and ecosystems of the dinosaur-bearing Prince Creek Formation, which dips into the subsurface and acts as an oil-gas reservoir in the Colville Basin. He joined the Bureau of Economic Geology in 2009 for a postdoctoral fellowship, and then spent 7 years as lead scientist on fluvial, deltaic, and shallow marine research at the Quantitative Clastics Laboratory Industrial Associates Consortium. Peter currently works for STARR, developing Texas-focused oil and gas research and mentoring numerous graduate students, many of whom work in industry. Peter's research focuses on deposits of clastic and mixed carbonate clastic systems, integrating sedimentology, ichnology, paleopedology, high-resolution image capture and analysis, and reservoir characterization. He has worked extensively from Texas through the southwestern US (UT, CO, and WY including the Book Cliffs), Canada, and Alaska. Peter has continuing investigations on strata deposited across the Paleocene-Eocene Thermal Maximum in Texas, Colorado, and Wyoming, reservoirs on the Eastern Shelf of the Permian Basin, and the Brookian Megasequence on the North Slope of Alaska. Peter's research with STARR focuses on the Strawn, Wilcox, and Woodbine formations in outcrop and core, including outcrop analogs for these reservoir systems.

Peter's contact information is--email: peter.flaig@beg.utexas.edu, telephone: 512-471-9622, Address: Bureau of Economic Geology, The University of Texas at Austin, University Station, Box X, Austin, TX, 78713-8924.

Affiliations & Accreditation

PhD University of Alaska-Fairbanks – Geology/Sedimentology-Stratigraphy
MS University of Wisconsin-Milwaukee – Geology/ Sedimentology-Stratigraphy
BS University of Wisconsin-Milwaukee – Geology





2025 SWS AAPG CONVENTION



ABSTRACTS • WANTED •

APRIL 26-30, 2025

FORT WORTH CLUB - DOWNTOWN FT. WORTH, TX

TECHNICAL PROGRAM HIGHLIGHTS

- PERMIAN BASIN
- EASTERN SHELF
- FORT WORTH BASIN
- MID-CONTINENT
- NEW TECHNOLOGIES

SUBMIT ABSTRACTS AND POSTERS TO
ABSTRACTS.SWSAAPG2025@GMAIL.COM

DEADLINE:
MARCH 1ST 2025



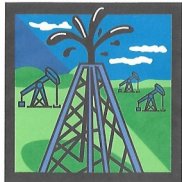
CELEBRATING 100 YEARS OF OIL & GAS
HISTORY WITH THE FWGS

WHERE UNCONVENTIONALS BEGAN



**Special Thanks to Abilene ISD
Stafford Elementary Science Teacher—
Taniece Thompson-Smith for sharing her
classroom experience in teaching her 5th
graders about Earth Science!**





TRAVCON
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401 Cypress St., Suite 602
Abilene, Texas 79601

(325) 677-4100
Fax (325) 677-4102
darrellm@travconexp.com

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Abilene Geological Society

Meeting Dates

February 20th, 2025

March 21st, 2025

April 17th, 2025

May 15th, 2025

Campbell Containers

East of Abilene on I-20 at Exit 297 / FM 603

Owner, Robert Campbell

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Abilene Geological Society

Abilene Geological Society's 2024-25 annual dues are due October 31, 2024

The 2024 – 2025 dues are as follows:

\$30.00 – Active & Associate Members

\$10.00 – Student Members

No Charge to Honorary Life Members

Please remit to:

Abilene Geological Society

P. O. Box 974

Abilene, Texas 79604-0974

All newsletters will be sent by e-mail. Please provide your email address below.



Abilene Geological Society – Dues

(Please return this portion with your dues. All payments are due by October 31st)

Name: _____

Company: _____

Street: _____

City/State/Zip: _____

Cell Phone: _____ Work Phone: _____

E-mail Address: _____

Active ☐ Associate ☐ Student ☐ Amount Paid \$ _____

A.A.P.G. Membership _____ Yes _____ No

Registered Professional Geoscientist _____ Yes _____ No _____ State or Organization

Publications of the Abilene Geological Society

The **Abilene Geological Society** has hundreds of publications since its origin in 1946. These include books, articles, guidebooks, cross-sections and type logs. Most are related to the Eastern shelf of the Midland Basin, or the Fort Worth Basin. Some of the books are from short courses covering various aspects of petroleum geology.

All of these are available on the AAPG website:

[AAPG Datapages/Archives: Browse Collections > Abilene Geological Society](#)

Examples of a few of our publications:

Abilene Geological Society Presents Index of Publications, 2020

Geological Contributions, 2016

Cyclic Deposition of Pennsylvania and Permian Sediments on the Eastern Shelf, 2008



For more information,
visit [Abilene Geological Society](#)
at <https://abilenegeo.org>

List of Past AGS Presentations

Our Past AGS Presentation section of the website is live and is here:

<https://abilenegeo.org/past-ags-presentations/>.

The new addition is a list of AGS presentations from 2015 to the present. This list will provide a bit of history of the technical talks presented at AGS meetings and events as well as aid those that are PG licensed in completing continuing education logs.

Index of Publications

Through the recommendation of Darrell Mauldin, a new version of the 1985 Index of Publications of the Abilene Geological Society members' articles and the page number to find the publication in the corresponding book. Darrell, Audra Horton and Jean Campbell have updated this list to include more recent articles and we put together this booklet to easily find the publications alphabetically by county or by article name. This book is \$10.

