Greetings from Cowtown!

Planning for the 2024 SIPES National Convention is full throttle. Convention Chair & SIPES Past-President Dawn Bissell and team have corralled great activities to satisfy a range of interests. Some to be guided tours and some do-it-yourself — perfect for our independent Independents. Central to our gathering will be technical talks relevant to our businesses and a plethora of networking opportunities to expand every Rolodex [yes, I still maintain one]. We look forward to another successful SIPES annual convention — this one during June 10-13 in beautiful Corpus Christi, Texas. It will be rewarding to see you there — especially first-time attendees. Indeed, an event not to be missed!

Besides convention attendance, SIPES membership includes a full menu of opportunities. Past-President Barry Rava recently spoke at our SIPES Symposium in Fort Worth. He described the Deal Buyer’s List, the extensive film library [an under-used resource], networking & business development, & HQ services. To wit, the dedicated staff at SIPES/National stands ready to provide information & guidance to further your membership experience. While many members speak of our spirit of fraternity — member David Shiels calls it “Family”. All of these noted benefits work together for your continued success as an Independent.

Last, there are pending changes in SIPES national office. By the time you might be reading this, we will be saying “au revoir” to Victoria Mowery, Operations Director. She is moving on to another opportunity to which we are wishing her the best in her career. The Executive Committee has made an offer to a candidate — one highly-qualified, plus having SIPES experience. Said offer has been verbally accepted, and we will be announcing that hire forthwith. Be assured that SIPES headquarters will continue to run smoothly & efficiently as before.

Thank you for the opportunity to serve as your President.

Call me or any board member with your fresh ideas and counsel!

Dan Earl
SIPES 2024 Convention
and
60th Annual Meeting

Corpus Christi, Texas
June 10-13, 2024
Many thanks to the members listed below for their continuing support of our society.

**Promoter – $2,500**
- Charles A. Lundberg III — Dallas, TX
- Thomas A. Smith — Austin, TX

**Oil Finder – $1,200**
- Ralph J. Daigle — The Woodlands, TX
- David A. Eyler — Midland, TX
- James A. Gibbs — Dallas, TX
- Walter S. Light, Jr. — Houston, TX
- Marc D. Maddox — Midland, TX
- Patrick A. Nye — Corpus Christi, TX
- Barry J. Rava — Houston, TX
- D. Craig Smith — Midland, TX

**Driller – $750**
- Avinash C. Ahuja — Corpus Christi, TX
- Michael N. Austin — Westminster, CO
- Dawn S. Bissell — Corpus Christi, TX
- Brian S. Calhoun — Corpus Christi, TX
- David W. Cromwell — Midland, TX
- Robert C. Leibrock — Houston, TX
- Brian K. Miller — Midland, TX
- Michael R. Vasicek — Midland, TX

**Prospector – $500**
- Gregg S. Alletag — Oklahoma City, OK
- Ernest Angelo, Jr. — Midland, TX
- James K. Applegate — Denver, CO
- William D. Bennett — Fredericksburg, TX
- Richard S. Bishop — Houston, TX
- Raymond N. Blackhall — Cypress, TX
- Wilbur C. Bradley — Wichita, KS
- Bruce M. Brady III — Midland, TX
- Paul W. Britt — Houston, TX
- William T. Brown, Jr. — Denver, CO
- Lanny O. Butner — Wichita, KS
- George S. Carlstrom — Littleton, CO
- Wendell R. Creech — Midland, TX
- Edward K. David — Roswell, NM
- Lawrence H. Davis — Oklahoma City, OK
- Dan Earl Duggan — Fort Worth, TX
- James P. Evans III — Franklin, LA
- Thomas E. Ewing — San Antonio, TX
- William R. Finley — Lafayette, LA
- Patrick J. F. Gratton — Dallas, TX
- James H. Henderson — Dallas, TX
- Kevin B. Hill — Shreveport, LA
- Gary C. Huber — Centennial, CO
- Kenneth J. Huffman — Mandeville, LA
- George S. Johnson — Amarillo, TX
- Ralph O. Kehle — The Hills, TX
- John E. Kimberly — Midland, TX
- Thomas M. Kirby — San Antonio, TX
- Constance N. Knight — Golden, CO
- Kirk C. Kolar — Edmond, OK
- Robert F. Lindsay — Midland, TX
- Greg A. McDonald — Oklahoma City, OK
- John H. Newberry — Austin, TX
- Austin Nye — Corpus Christi, TX
- Michael A. Oestmann — Midland, TX
- Arthur J. Pansze, Jr. — Arvada, CO
- Thomas G. Pronold — Wichita, KS
- Christopher H. Reed — Tyler, TX
- Gregory A. Riepl — Edmond, OK
- James D. Robertson — Fort Worth, TX
- R. David Shields — Kaufman, TX
- Jeffery M. Shultz — Midland, TX
- Delmer L. Sloan — Midland, TX
- Stephen M. Smith — Houston, TX
- William M. Smith — Houston, TX
- John R. Stephens — Dallas, TX
- Gary L. Thompson — Centennial, CO
- William G. Watson — Midland, TX
- Robert E Webster — Irving, TX
- James C. West — Stamford, TX
- Mark A. Worthey — McKinney, TX

**Investor – $100**
- Garnet W. Brock — Midland, TX
- Rebecca L. Dodge — Midland, TX
- David R. Fox — Graford, TX
- William M. Kazmann — Richardson, TX
- J. David Overton — Midland, TX
- Edward B. Picou, Jr. — New Orleans, LA
- Lance Ruffell — Oklahoma City, OK
- Vinton H. Sholl — San Antonio, TX
- Joe T. Vaughn — Norman, OK
- H. Vaughan Watkins, Jr. — Madison, MS
- James D. Wildhaber — Youngsville, LA

**Scout – $50**
- Audrey W. Adams — Houston, TX
- Matthew D. Adams — Houston, TX
- Robert W. Barnhill — Houston, TX
- Merle J. Duplantis — Mandeville, LA
- Eduardo Gonzales — Plano, TX
- David R. Grogan — Woodbine, MD
- Eddie W. Rhea — Addison, TX
- John M. Sharp, Jr. — Austin, TX
- Joseph P. Smith II — Bridgeport, WV
- Richard Wilkerson — Houston, TX

**Roughneck – $250**
- Victor H. Abadie III — Montara, CA
- Jeffrey L. Allen — Houston, TX
- Randall L. Anderson — Midland, TX
- Wm. H. (Bill) Armstrong, Jr. — San Angelo, TX
- William C. Bahlburg — Plano, TX
- Lonnie J. Blake — Corpus Christi, TX
- Jack C. Bradley — Midland, TX
- Raul F. Brito — Wichita, KS
- Charles J. Corona — Harahan, LA
- Barrett T. Dixon — Midland, TX
- James W. Fowler — La Veta, CO
- Roger A. Freidline — Dallas, TX
- William T. Goff III — Littleton, CO
- W. Kenneth Hall — Fort Worth, TX
- Russell R. Hamman — Houston, TX
- Frank W. Harrison, Jr. — Lafayette, LA
- John D. Kullman — Fredericksburg, TX
- Joshua W. Luig — Fort Worth, TX
- Roger L. Martin — Wichita, KS
- Wayne D. Miller — Midland, TX
- Mike S. Mount — Houston, TX
- Michael R. O’Donnell — Fort Worth, TX
- Thomas A. Pasquini — Kingwood, TX
- John M. Rakowski — Florissant, CO
- David L. Read — Highlands Ranch, CO
- Deborah K. Sacrey — Weimar, TX
- William M. Smith — Oklahoma City, OK
- C. Al Taylor, Jr. — Pittsville, VA
- James Travillo — Oxford, MS
- Scott A. Wainwright — Metairie, LA
- Robert M. Wynne, Jr. — Spring, TX
The United States energy policies have changed as the government administrations have vacillated between Republican and Democratic. The first (modern) major congressional mandate was in 1978 under the Jimmy Carter administration. The National Energy Act of 1978 was the legislative response to the 1973 Arab oil embargo. This congressional law incorporated 5 main areas: public utility, energy tax, energy conservation, power plants and natural gas. This Act was followed in 1980 with the Energy Security Act which covered 6 major topics: synthetic fuel, biomass and alcohol fuel, renewable energy, solar energy, geothermal and ocean energy.

In 1992 the Energy Policy Act further addressed natural gas imports and exports, electric motor vehicles, radioactive waste, clean coal and renewable energy as well as energy efficiency.

President George W. Bush signed the Energy Policy Act of 2005 which provided a comprehensive wide range of tax incentives to alternative energy sources to include ethanol fuel, wind, solar, ocean, geothermal, nuclear, hydrogen as well as clean coal, oil and gas exploration in the Gulf of Mexico. It created tax deductions for commercial buildings to encourage thermal efficiency. It also added to the length of daylight savings time by about an extra month.

In early 2023 the Department of Energy announced the nation’s first ever United States National Blueprint for Transportation Decarbonization --- a strategy for cutting all greenhouse emissions from the transportation sector by 2050.

Because the transportation sector is responsible for 33% of the greenhouse gas (GHG) emissions and it is interconnected throughout the entire energy usage spectrum, the government is focusing on reducing the CO$_2$ emissions for this industry (figure 1). Through a Memorandum of Understanding (MOU) in September 2022 with the Department of Energy, Department of Transportation, Environmental Protection Agency and the Department of Housing and Urban Development the government plans to lead with federal policies and investment partnerships with the private sector to achieve this goal.

The Inflation Reduction Act and the Bipartisan Infrastructure Act will serve as the backbone to guide the decarbonization needs of communities as well as individuals. This Blueprint is needed because of the ‘climate crisis’, so the Blueprint states. It is often forgotten that CO$_2$ is essential for living organisms to function, as Dr. Happer pointed out to the membership at the SIPES All-Convention luncheon in June 2022 in Park City, Utah.

The U.S. National Climate Assessment in 2023 released a report that states that climate change (extreme weather) is now costing $1 billion in damages every 3 weeks whereas in 1980 it was every 4 months (with inflation adjusted dollars). The report’s solution to mitigate this damage rate is to invest in clean energy as well as adapting coastal cities to rising sea level. The report states that even though emissions have declined since 2005, it is not enough. According to the Long-Term Strategy report published by the administration in November 2021: “The science is clear: We are headed toward climate disaster unless we achieve net-zero global emissions by midcentury.” The report goes on to cite historic droughts, wildfires, hurricanes, and flooding that the greenhouse gas emissions have caused.

The current administration appears to be caught in a conundrum as it works to decarbonize the U.S. The practicality is that fossil fuels are essential for the growth and stabilization of the economy. Yet the government plays politics to seemingly achieve the greater goal. For example, this administration has continued to draw down the reserves from the Strategic Petroleum Reserve. When Neil Sharp wrote his article last year the reserves were down 30%, to date the reserves are down to 50% (350MMBO) which is more than any other administration. The Biden administration has stated that they ‘prefer’ to begin replenishing the SPR when oil prices are less then $72/BO and Energy Secretary Jennifer Granholm has

The following report was prepared by David Cromwell #3503. The views and opinions expressed are those of the authors. Some of the information is available in the public domain.
said that even then it won’t be completed until 2025. With the late November price of oil near $75/BO it may take longer, especially in the current geopolitical climate with the instability in the Middle East and little prospect to enforce or impose Iranian oil sanctions in order to artificially maintain lower energy prices, at least until after the presidential election in 2024.

In future articles I will detail the results and the impact of the energy acts, laws and policies that have shaped our lives over the past 50 years.

Dave Cromwell, Vice President National Energy
MEMBER CONTRIBUTION

How Geoscience Built the Louisiana Coast
A Hermeneutic Approach to Data Integration
Reducing Bias and Improving Accuracy in a Never-Right World
W. R. (Bill) Finley, #2717, Lafayette, LA

Abstract 1 – Hermeneutic Interpretation (link to text)

The LA Board is defining Best Practice procedures (A check list manual for improving accuracy of geologic interpretations) in a way to maximize the expectations of accuracy in required geoscience components of project evaluations while ensuring public interests are safely protected. Geology, the interactions of physical and chemical and biological processes that mold and modify the planet, is dynamic and influences most of the human species activities. Most scientific and specialty disciplines contribute to and are better understood by integrating diverse data to visualize relevant connectivity and potential to influence and/or improve our understanding of the world around us. Improving understanding increases interpretation accuracy.

Who’s wrong when everybody’s right? Moral/ethical behavior defines rightness as a philosophical social activity/behavior. It can be proven that Most Published Research Findings Are False. Disclaimers become a way to excuse future wrongness accusations (keep us out of jail). Integration includes diverse perspectives. “When we change the way we look at something, that thing we look at changes” (Max Planck). Rightness is not a Scientific Criteria.

Scientific investigations are never-right in this moral/ethical context. Interpretation accuracy (degree of rightness) is a function of data access and the interpreter’s experience-based data integration skills. The black or white (moral/ethical) divide separates us, restricts data access and interferes with data integration for building interpretation accuracy.

“Unless there is a free exchange of opinions and ideas, the people do not have the information they need for effective self-government.” (Monk, 2003) is the premise for the First Amendment to our Constitution. But we have suffered discipline discrimination forever to monetize the data/ideas of scientific studies. This stifles innovation and harms not only the science but the public’s perception of the importance of what we do.

Ethics is a requirement for PG licensure in Louisiana. One tenet of Ethics is Freedom of Choice. In this country Freedoms come with Responsibilities. Ethics dictates it is our Responsibility to choose wisely. Choosing wisely is how we improve accuracy.

Tearpock’s Principles stresses Knowledge-of-Subject integration with All-the-Data as the foundation of accuracy building. I add to All-the-Data that the Accuracy in this integration process is best facilitated with input from other discipline experts. It turns out that much of this data is available but seldom accessed. Project time constraints is a major impactor to All-the-Data.

The Argumentative Theory defines our and other’s potential biases helping identify and integrate perspectives to moderate bias influencers and improve interpretation accuracy. This diverse integration and bias moderation can expand and evolve project objectives.

Data Integration Practices are grounded in Hermeneutic interpretation principles. Hermeneutic interpretations are cyclic in spatial scale, time scale, diverse discipline influence, and interpreter background (historic and cultural) contexts. Understanding these factors helps us respect the work of others and build confidence for an accurate integration and potential improvement. This also may expand/evolve project objectives.
MEMBER CONTRIBUTION CONTINUED

Abstract 2 – Hermeneutic Interpretation Application (link to text)

The USGS “Land Area Change in Coastal Louisiana (1932 to 2016)” pamphlet by Couvillion, Beck, Schoolmaster, and Fischer when viewed hermeneutically (instead of critically) was masterfully done. The volume of material reviewed, evaluated, interpreted and presented was staggering. The focus on statistical analysis of this data completed project goals but left little time for evolving project objectives. “Project time constraints is a major impactor to All-the-Data.”

Without geologic representation and a focused statistical analysis, there were opportunities for a closer look at the data to test a Hermeneutic evaluation. Stressors impacting the LA Coast are lumped together so no stressor was individually studied. By integrating Hurricane occurrence with land change data, I was able to define coastal damage estimates (there are maps for geologists). In addition, the land change data has an 11-year cycle (possible sunspot cycles) of land gain.

These observable but (statistically) outlier events muddy the waters for detecting any geologic stressor(s). The Geoscience needed a closer look. Putting the coastal changes on maps (eg. Hurricanes) and finding the Delta Plain was a 75% contributor to coastal land loss suggested a delta study would be valuable. While evolving the Delta study, I Max Planck’ed the land change data and noted in two (2) spreadsheet views that LA Coastal land loss stopped by 2007 and gained 250 sqkm (14 football fields every day since 2007). This hermeneutically evolved project goals.

Hermeneutic data is a function of spatial and fractal data scales. The Coast is fractal with two (2), not three (3), Geologic Stratigraphic terrains, Delta Plain and Chenier Plain. The Delta Plain has three (3) Delta Complex basins; The Teche Delta Complex with a Maringouin foundation, the LaFour-Terre Delta Complex with a Maringouin/Teche foundation sourced from the Mississippi, and the Plaquemine Delta Complex sourced from the Mississippi. The Delta Complexes are deposited by multiple Delta Lobes shifting to fill low areas. The Teche has three (3) Lobes, the LaFour-Terre has five (5), and the Plaquemines has seven (7).

Fisk (1945 & 1955) defined coastal Louisiana and the basement fractures directing the drainage system eroding the Alluvial Valley with walls that confine the delta system complexes of Frazier (1967). The basement structures also directed Cenozoic deposition over mobile salt in the opened Gulf of Mexico. Mid-Late Miocene loading moved salt filling the Terrebonne Trough (MTT). This established weak surface zones along the Lake Hatch and Golden Meadow bounding MTT faults. Delta Complexes deposited by multiple Delta Lobes shift to fill low areas. The MTT low area attracted delta lobes of the Maringouin, Teche, Families, Blue, Terrebonne, west Plaquemines and the Lafourche delta lobes reactivating these weak zones attracting additional sediment.

Delta Complexes are deposited by multiple Delta Lobes shifting to fill low areas. Looking at Delta Lobe distribution patterns two (2) high grounds diverting sediment deposition are identified. After filling the flank areas, the recent Plaquemines (1000 YBP) and Terrebonne (800 YBP) Lobes now occupy these past high ground locations. They are supplemented by the modern LaFourche (300YBP) and Balize (200 YBP) Lobes. These four (4) Lobes represent European Settlement’s contribution to a major enhancement of the Louisiana coastal land area. The coast we lost in the last 100 years is the interest we accumulated in the previous 100 years. We are back to normal.

There is data available after 2016. There are other coastal areas (Chenier) to add to the integration to improve the delta interpretation. This interpretation will continue to evolve and be improved.
William R. (Bill) Finley – Bio

Bill grew up in Lake Charles, LA, and graduated from LaGrange High School in 1965. Returning to college on the GI Bill, Bill finished his course work with a BS Degree in Geology in 1974 and an MS Degree in Geology in 1975 from the University of Southwestern Louisiana (now ULL).

Bill started with Gulf Oil Corp. in New Orleans in 1975 performing regional exploration in the MAFLA (Mississippi Alabama Florida) Region, and eventually well-site work on COST (Continental Offshore Stratigraphic Test) wells in the Baltimore Canyon. Accepting a position with Forest Oil Corp. in Lafayette in 1979, Bill worked on development projects and large regional studies in south Louisiana both onshore and offshore. Becoming a free agent in 1990 (see “How I became an Independent” in the SIPES Quarterly), Bill began to seek his fortune as an independent, contracting his first consulting job with his previous employer, Forest Oil.

Bill joined the Society of Independent Professional Earth Scientists (SIPES) in 1990. As an independent, Bill has worked extensively with computer applications for geologic mapping and seismic interpretation with Forest Oil, ESRI in Columbia, SC, and with Dan Tearpock at Subsurface Consultants & Associates as the Vice President of Computer Applications.

Bill joined Rozel, LLC in 1996 as a partner generating prospects and selling deals. The partnership was successful drilling an average of about 2 wells per year with a success rate of 82%. Bill left Rozel and opened an office in the Oil Center as Aquila, LLC in 2013.

A longtime member of AAPG, SEG, and SIPES, Bill was the 2008-09 SIPES Vice President of National Energy, the SIPES National President for 2009-10, and represented the Lafayette Chapter on the S.I.P.E.S National Board through 2018. Bill was awarded SIPES Honorary Membership in 2020 after serving on the National Board for 12 years.

Bill wrote the lead article in the March 2011 SIPES Quarterly, “Whose Fault Is It? A Geologic Empire in the Central Gulf Coast” and contributed to the New Orleans Geological Society's "Oil and Gas Fields of South La., 2010". There are also publications by Bill in the 1990 and the 2014 GCAGS Transactions.

Bill was appointed to the LA Board of Professional Geoscientists as a charter member in 2013, has been involved in writing the LBOPG Rules and currently serving as Treasurer after a fourth term as the LBOPG Chairman. Bill was the Technical Program Chairman for the 2014 GCAGS convention in Lafayette and currently serves as Society Liaison between the Lafayette Geological Society and the SouthWest Louisiana Geophysical Society.

Additionally, Bill has been an Adjunct Instructor at ULL since 2014, teaching Subsurface Mapping with Kingdom Applications to Geoscience interpretation and Mapping Project Classes.

AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
After a summer hiatus, in August, Rajan Ahuja spoke on Addressing Producing Well Issues. All of our member engineers agreed that if most geoscientists were aware of the information Rajan presented, there would be much better working collaborations. Rajan will reprise this talk during the 2024 Annual Convention.

Ed Longandecker, President of TIPRO joined us to Recap the Legislative Session on Texas Oil & Gas Industry in September. We held a joint reception with SIPES and TIPRO members later that evening.

We wrapped up the technical season in October with Mike Lucente’s presentation on the Anatomy of a New Field Wildcat. This success story will likely be presented during the 2024 SIPES Annual Convention.

The Christmas Party was held at the Corpus Christi Yacht Club with lovely views, wonderful food, and excellent company.

Presentations that were made earlier in the year and tours that will be made during the convention include: The Port of Corpus Christi; the largest export facility of crude oil in the US; third largest in the world; and is also home to Cheniere LNG terminal which exports LNG to ports around the world.

There will be opportunities to tour the Port and Cheniere facility during the 2024 Annual convention that will be held in Corpus Christi in June.

Scott Taylor presented the Anatomy of a Modern Seismic License Agreement. Scott has agreed to present the topic during the 2024 Convention from an Ethics perspective.

The Corpus Christi Chapter is doing an excellent job planning the upcoming Diamond 60th Annual Meeting and 2024 Convention. There is a great line up of technical talks, tours, and the geology field trip that will occur. Many other activities are being discussed: possibly a home baseball game, Bay tours, Aquarium and Art Museum visits, kayak tours, cooking classes, and lots of resources for
Denver

After a summer break, the Denver Chapter resumed its monthly meeting schedule beginning on September 28th with Randi Martinsen presenting "Recent Adventures in the Eastern South Atlantic and Antarctica." Randi shared her many photos and experiences from her travels to the Antarctic peninsula and South Georgia Island and discussed the intrinsic links between the breathtaking landscapes and their geologic and tectonic histories.

Randi is an Emeritus Lecturer in Geology and Geophysics at the University of Wyoming (UW) where she taught courses in petroleum geology, clastic depositional systems, sequence stratigraphy, reservoir characterization, field geology and physical geology. Randi is a past-Treasurer and past-President of AAPG, resides in Frisco, Colorado, and continues to teach courses and consult for the oil & gas industry.

Left to right:
John Horne, Randi Martinsen of the Univ. of Wyoming (Speaker),
Bill Pearson (Vice Chairman), and
Gary Thompson (Chairman).

The speaker for our October 26th luncheon meeting was Terry W. Donze and his topic was "Climate Changes: Always Has, Always Will." The presentation summarized Terry’s skepticism of Anthropogenic Climate Change, and the societal costs and environmental harm associated with decarbonization of the global economy.

Terry has worked as a geophysicist for 50 years, and is Past President of the Denver Geophysical Society and author of a related book titled “Climate Realism: Alarmism Exposed.”
Greetings from Fort Worth. Our Fall 2023 meeting season is off to a great start!

September:
Our Guest Speaker: Bryan Guzman, Global Business Development & Technology Premier Corex

October:
Our Guest Speaker: Alex Gonzalez
Title: Bitcoin Flaregas Presentation

November:
Our Guest Speaker: Stephen C. Zaguski
Title: Utilizing a Multidisciplinary Approach to Reservoir and Completion Optimization within the Woodford Shale Play of the Arkoma Basin

But the BEST NEWS coming out of Fort Worth so far this fall was the completion of another very successful one day Symposium Event, which we held on October 11, 2023 on the Campus of Texas Wesleyan University, right here in Fort Worth. This was our 3rd biennial symposium to be held at TWU---great facility, great food and an attentive staff at the TWU Martin Center made for a flawless day. The Symposium was followed by a successful networking opportunity. A great venue allowed us to visit comfortably and renew old friendships and form new ones. Profits from this event will be directed toward the SIPES Scholarship Program.

PROGRAM
8:00-8:30: Registration
8:30-8:45: Opening remarks & introduction [Dennis Browning, Chairman, SIPES/FW Chapter]
Session I: Working Smart [Moderator: Dan Earl Duggan #]
8:45-9:20: Todd Spake, Kelly Hart law firm, Fort Worth, “Purchasing Producing Properties”
10:30-10:50: Break
11:25-12:00: Barry Rava *, Icarus Oil & Gas, Houston, “Business Cycle and Prospecting”
12:00-1:30: Lunch session: Deborah Sacrey *, Auburn Energy, Weimer, “Leadership, Management, and Innovation”
Session II: Finding Oil, Making Money—Case Studies [Moderator: Jim West]
1:30-2:05: Kevin Hill, Geophysical Consultant, Shreveport, “Generating Income Using Available Well and Seismic Data”
3:15-3:30: Break
3:30-4:05: Rusty Branch, Gehrig Geoscience Services, Muenster, Title TBD (General theme is nuts and bolts geophysics for exploration projects.)
Session III: Beyond Hydrocarbons, Exploration Re-directed [Moderator: Robert Springer]
4:05-4:40: Gary Rice, PhD, GeoFrontiers, [Speaker] & Bo Sears, H2-Helium LLC, Dallas, “Helium Exploration Fundamentals”
5:15-5:30: Closing Remarks
5:30-7:30: Seminar Mixer

SIPES Past-President *
SIPES Board of Directors, Member #
FORT WORTH (cont’d)

SOME ABSTRACTS HAVE BEEN ABBREVIATED FOR SPACE CONSIDERATION

Todd Spake, Kelly Hart law firm, Fort Worth, “Purchasing Producing Properties”

Abstract: The presentation will cover legal issues surrounding the purchase of oil & gas producing properties along with common pitfalls to avoid.

Randy McCall, CPA, Fort Worth, “Resourceful Tax Strategies for the Small Producer”

Abstract:
1. Four major benefits available to the Independent Producer
   a. Full deduction for all intangible drilling costs in the year expended
   b. Percentage depletion based on a statute, with some limitations
   c. An exception to the passive loss rules for working interest owners
   d. Rapid deduction of geologic & geophysical costs
2. Thoughts for choice of entity
   a. LLC is probably the best choice for owning operated interests for a sole owner
   b. LLC or partnership is the best choice for a promoted deal
   c. Never put a promoted deal in an S Corp.
   d. There are situations where a C Corp can be a good choice, but not for a promoted deal
3. Other tips
   a. If you are selling a deal with a promoter for yourself, do not pay development expenses before you are paid by the investor
   b. Be careful of minimum taxes
   c. NOLs are no longer allowed to be carried back, but can be carried forward indefinitely, with some limitations

Bill Fairhurst, Independent, Fort Worth, “Exploring Entrepreneurship”

Abstract: Independent Petroleum Geologists & other individuals in the oil & gas industry, maximize opportunity for both the individual entrepreneur & society. Independent Professional Earth Scientists maximize opportunity for themselves by realizing their full potential & provide society with the resources that maximize individual to national economic utility of natural resource demand. Independent Professional Earth Scientists’ entrepreneurial pursuit is the discovery of opportunity & action. Discovery of opportunity, observed & created, are skills, abilities, & processes practiced by Petroleum Geologists & the entrepreneurial pursuit is a natural match for SIPES members. The action of developing investment opportunities through prospect generation, project participation, consulting, investing, creating new organizations, & funding are typically less certain & make success more rewarding.

Lorena Moscardelli, Bureau of Economic Geology, Austin, “State of Texas Advanced Resource Recovery Program [‘STARR’]”

Abstract: The mission of the State of Texas Advanced Resource Recovery (STARR) program is to conduct geoscience & engineering research to increase the production and profitability of earth resources, including oil, natural gas, hydrogen, geothermal and minerals, within the State of Texas while encouraging responsible economic development and supporting education and environmental stewardship. The STARR program conducts field scale and regional projects that have aided in the development of the shale gas and shale oil revolution in Texas, while also providing support for the continuous development of conventional plays across the state.

Barry Rava, Icarus Oil & Gas, Houston, ”Business Cycle and Prospecting”

Abstract: All industries and businesses run through high and low prices and demand cycles. Cycles are a very present part of oil and gas exploration and should be recognized and considered when designing an exploration or development plan. This is true regardless of the company size, applying to majors and one-person shops. Recognition of business cycle characteristics will be discussed as well as prospect flow, work that should be performed during each part of the cycle and some strategies for overcoming financial fall-out from the cycle.
CHAPTER NEWS CONTINUED

FORT WORTH (cont’d)

Lunch session:

Abstract: A brief history of Deborah’s career path where technology changes have caused the “reinvention” of myself, not only in finding clientele & work, but climbing the Leadership Ladder in various organizations. Living through the Digital Transformation, the move from 2D on paper to a 3D workstation & finally into the Machine Learning world can change the way you do business, present yourself to others & enlarge your network so that you get the “name recognition” you need to move into leadership positions in organizations within your peer group.

Within this presentation are tips for young professionals & even more established geoscientists on ways to find consulting work & expand their knowledge & exposure within the geoscience world.

Kevin Hill, Geophysical Consultant, Shreveport, “Generating Income Using Available Well & Seismic Data”

Abstract: Making money in today’s hydrocarbon energy-unfriendly environment is difficult. However, there is a good bit of data that is readily available to the consultant/independent that can be used to generate revenue for clients or a personal account. Most well data is available online from state websites or can be accessed through log libraries or other low-cost methods. Seismic data is more difficult to (legally) access. Working with a company with a seismic database must be done in a way to ensure the seismic license is not breached. That said, much of the seismic data has not been processed to bring out the geology hidden in the digits. This presentation assumes the reader has access to computer workstation software. Methods to secure legal access to data & how to bring value to the parties involved will be explained. All of this data is needed to lower the risk of prospects, & lower risk prospects have a higher probability of selling. Also, the latest government energy craze will be discussed because there is a lot of money to be made accessing government funding.

Monte Meers, Independent, Abilene, “Finding Oil Today with Micro-seep Technology”

Abstract: Microseep technology is an economic way to lead the geoscientist into potentially new reserves in old mature areas. This is a story of exploring in a densely drilled area that has the geological appearance of depletion with little or no potential value. Surface geochemistry found anomalous soil conditions that led to the drilling & discovery of virgin reserves.

Deborah Sacrey, Auburn Energy, Weimer, “Paradise Machine Learning Technology-Understanding the Sub-Surface in Detail”

Abstract: Multi-attribute machine learning using SOM (which is an unsupervised learning process) can be shown to reveal details in the data not previously identified & which can be interpreted to be lithologic in nature. The detail comes with the statistical analysis of the data based on information on each sample on each trace in the data. The result of this sample-based statistical analysis is that one can interpret thin-bed resolution well below conventional wavelet tuning. This in turn, helps with highly accurate reservoir prediction when one ties the information to existing production or in the estimation of new reserves in exploration plays.

The key to the presentation is showing examples of problems in the every-day interpretation of data which can be solved by the neural analysis (Classification) of multiple seismic attributes.

Mike Gehrig & Rusty Branch, Gehrig Geoscience Services, Muenster, “Nuts & Bolts Geophysics for Exploration Projects”

Abstract: You don’t have to be an O&G major to include geophysics in your exploration program. Seismic data is one of the best tools in the independent geoscientist’s toolbox for subsurface exploration. It fills in the gaps between existing well data & can increase the probability of a positive return on your drilling program. We will present a case study outlining a typical geophysical exploration program for a small independent. Our presentation will address seismic design, acquisition, interpretation, & typical project costs and timelines.
CHAPTER NEWS CONTINUED

FORT WORTH (cont’d)
Gary Rice, PhD, GeoFrontiers, & Bo Sears, H2-Helium LLC, Dallas,
“Helium Exploration Fundamentals”

Abstract: Although helium is the second most abundant element in the Universe after hydrogen, it is rare on Earth with atmospheric concentrations averaging only 5.24 ppmv. Helium has many important uses including MRI machines, silicon chip manufacturing, fiber optic manufacturing, laboratory equipment, & a host of many other high technology applications. Leading helium producing countries are USA, Qatar, & Algeria, all of whom are operating at full capacity today. Current demand exceeds supply resulting in high & increasing contract pricing of over $500 per MCF.

Dwindling US supplies, namely from the depleting Federal Helium Reserve have renewed interest in exploring for additional helium reserves. Today, ExxonMobil’s LaBarge Field in Wyoming represents the largest domestic producer of helium. The USGS in 2021 estimated there could be upwards of 306 billion cubic feet of recoverable helium reserves in the US. Finding & producing that helium is the challenge.

Steve Tedesco, PhD, Running Foxes Energy Inc., Denver
“Exploration & Development of Hydrogen Gas”

Abstract: The exploration & development for producible accumulations of hydrogen gas has taken on an urgency as various governments push towards rapid transition from fossil fuels to renewable energy. The change is to cause the transportation industry convert from the internal combustion engine to hydrogen fuel cells powering cars or trucks. Hydrogen is typically a clean energy that is produced commercially either from steam reforming of natural gas/oil or electrolysis of water. Hydrogen, when in its elemental form is present in small amounts of less than 5% of the total gas composition. The downside to hydrogen as an energy source, it is difficult to store, liquefy & hard to transport. Extracting hydrogen from natural gas or water presently costs more energy than what hydrogen provides as an energy source. Liquefying hydrogen loses 30% of its energy in the process. Natural hydrogen has been discovered in many geological environments & tectonic settings. Elemental hydrogen has been found in oceanic spreading centers, along transform faults, passive margins, convergent margins, sedimentary basins, & intraplate settings. Many of these areas may have been explored for base or precious metals but not by the petroleum industry which is more qualified in dealing with exploitation of gas reservoirs & production.

Our membership Director, Josh Luig has been working tirelessly to grow our Chapter membership. Over the past year we have added 3 new members & we have leads on several other strong candidates.

We have plans for more great luncheon speakers & to continue to add more SIPES FW members.

We are looking forward to better gas prices, continued strong oil prices, & a happy and joyous holiday season with family, colleagues, and friends.

Michael O’Donnell
FW Chapter Secretary
November, 2023
**CHAPTER NEWS CONTINUED**

**HOUSTON**

The SIPES Houston chapter is forging ahead with its mission to be the pre-eminent organization for furthering the professional and business interests of independent producers, prospectors, and investors.

Here are just a few 2023 highlights:

- **Lunch Meeting Speakers**
  - January – Matt Boyce – 2023: State of Industry
  - February – Mike Umbro – Don’t Say Oil!
  - March – Kristian Coates Ulrichsen – Saudi Arabia and the balancing of geopolitical and energy relations with the United States and Russia
  - April – Chris Bird – The Greatest Oil Boom Yet
  - May – Mark McCuen – The Discovery of Bright Falcon Field
  - June – Randy Ponder – Big Escambia Creek Field, Escambia County, Alabama
- **Deal Buyers Event** – In March SIPES Houston hosted its second invitation-only event connecting working interest buyers with high-quality conventional prospects. The highly successful event included free food, drinks, cigars, and a raffle of a shotgun and liquor.
- **Chili Cookoff** – In April SIPES Houston held its second annual Chili Cook-off at a local brewery. Teams prepared their unique chili recipes which were enjoyed by all along with local brews on a nice Spring afternoon.
- **Maps in Schools** – SIPES Houston continued its public relations mission to provide geoscience education and place framed geologic maps in schools. In addition to several maps donated to local schools and colleges, SIPES Houston was able to send maps to schools in Massachusetts, South Dakota, and beyond. The most novel recipient of a SIPES Houston map was a Native American school in the Grand Canyon where the teachers and students hike in and out every day.

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Please make sure to send all SIPES chapter meeting, parties, gathering, or other events of interest to the national office to be posted on the SIPES national website.

E-mail to: sipes@sipes.org

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**LAFAYETTE**

3rd Quarter 2023 Update: Since we take the summer off we have only had a September meeting to update you with. Chris McLindon was kind enough to journey up from New Orleans to give us some insight on the many Carbon Capture & Storage projects that are planned for the state of Louisiana. The concentration of emissions sources along the two petrochemical corridors in the state and the availability of excellent geological storage capacity.

Sadly we lost another member of our Society. Pete Klentos passed away Sunday, October 22. A great fan of Wewoka Oklahoma, the Oklahoma Sooners and country music. Pete loved Lafayette and his joie de vivre will be greatly missed. He died exactly one month shy of his 89th birthday.

Pete Klentos  Submitted by: King Munson
Lafayette Chapter Chair  Chris McLindon
It’s been a long time in the works, but the Pittsburgh Chapter will officially launch, after October was pushed, November 29th in conjunction with the launch of the Pittsburgh petroleum club during the DUG East Conference in Pittsburgh. Our event will be held at the Harvard Yale Princeton Club a stone’s throw from the convention. This will be a great opportunity for outreach and to get others interested in the society. We will have access and open doors not only to geologists, but engineers and financial focused individuals. We hope to have a successful launch and wish both the DUG East Conference attendees and our friends at the PCP future success.

All the best,

Tom Donahoe
President/Geoscientist
THANKS TO THESE
SIPES 2023 CONVENTION SPONSORS

Emerald — $3,000
James A. Gibbs, #314 — Five States Energy Capital, LLC — Dallas, Texas
Kevin B. Hill, #3583 — Hill Geophysical Consulting, LLC — Shreveport, Louisiana
Patrick A. Nye, #3105 — Nye Oil, LLC — Corpus Christi, Texas

Platinum — $1,500
Joe Brevetti, — Charter Oak Production Co LLC — Oklahoma City, Oklahoma
Walter S. Light, Jr., #3265 — Thunder Exploration, Inc. — Houston, Texas
Marc D. Maddox, #2777 — Maddox Oil Properties, Inc. — Midland, Texas
Barry J. Rava, #3198 — Icarus Oil & Gas — Houston, Texas
Russell P. Richards, Limited Member — Great Western Drilling Co. — Midland, Texas
Earl M. Sebring, #2836 — Sebring Exploration — Midland, Texas
D. Craig Smith, #3124 — Midland, Texas
Michael R. Vasicek, #2354 — Bessero Oil Company — Midland, Texas

Gold — $1,000
Michael N. Austin, #2366 — M & M Exploration, Inc. — Westminster, Colorado
Brian Calhoun, #1586 — Hydrocarbon Operations, Inc/Hydrocarbon Horizons, Inc. — Corpus Christi, TX
Wendell R. Creech, #3308 — Midland, Texas
David W. Cromwell, #3503 — Paleozoic Petroleum — Midland, Texas
David A. Eyler, #2314 — Milagro Resources, Inc. — Midland, Texas
Robert C. Leibrock, #1673 — Houston, Texas
John H. Newberry, #2634 — Austin, Texas
Michael A. Oestmann, #3291 — Tall City Exploration — Midland, Texas
Greg Riepl, #2322 — DFG Energy — Oklahoma City, Oklahoma
Neil Sharp, #3446 — Rampike Resources, Ltd — Denver, Colorado
Tiffany Stephens, Jr. — Duncan Oil Properties — Oklahoma City, Oklahoma
**WELCOME NEW MEMBERS**

In accordance with the SIPES Constitution, By-Laws and Code of Ethics, the following list includes new members who have been unanimously approved by the SIPES Membership Committee. These members have completed the 30-day waiting period and we welcome them as new members of the Society.

<table>
<thead>
<tr>
<th>SIPES No.</th>
<th>Name</th>
<th>Chapter</th>
<th>Sponsors</th>
</tr>
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<tbody>
<tr>
<td>3629</td>
<td>Gabriel O. Grimaldi</td>
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<td>Andrew J. Munoz</td>
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<td>M. Boyce</td>
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<td>M. Jones</td>
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<td>R. Price</td>
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<td>3633</td>
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<td>3634</td>
<td>John R. Terwilliger</td>
<td>Corpus Christi</td>
<td>R. Ahuja</td>
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<td>W. Walker, Jr.</td>
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<td>LTD</td>
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<td>Daniel J. Todd</td>
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<td>K. Hill</td>
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<td>Anthony G. Johnson</td>
<td>At-Large</td>
<td>D. Billman</td>
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<td>T. Donahoe</td>
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<td>M. Boyce</td>
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</tbody>
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**IN MEMORIAM**

Bob Cowdery #1836 passed away 8/23/2023
Pete J. Klentos #0597 passed away 10/22/2023
John Martin Glenn #3193 passed away 11/6/2023

Please advise SIPES national office of members who have passed so we can properly memorialize them in our newsletters: email sipes@sipes.org

### SIPES Chapter Meeting Information

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Chair</th>
<th>V-Chair</th>
<th>Secretary</th>
<th>Treasurer</th>
<th>Meets</th>
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<tr>
<td><strong>CORPUS CHRISTI</strong></td>
<td>Austin Nye</td>
<td>Brian Calhoun</td>
<td>TBA</td>
<td>Dan Pedrotti</td>
<td>Water St Seafood Co. Last Tuesday of month</td>
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<tr>
<td><strong>DALLAS</strong></td>
<td>Michael Adams</td>
<td>Neil Barman</td>
<td>Carole Popa</td>
<td>John Stephens</td>
<td>Prestonwood Country Club 3rd Tuesday</td>
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<tr>
<td><strong>DENVER</strong></td>
<td>Gary Thompson</td>
<td>Bill Pearson</td>
<td>TBA</td>
<td>Melanie Westergaard</td>
<td>Wynkoop Brewing Co. 4th Thursday</td>
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<tr>
<td><strong>FORT WORTH</strong></td>
<td>Dennis Browning</td>
<td>Jim West</td>
<td>Michael O’Donnell</td>
<td>Robert Springer</td>
<td>Fort Worth Petroleum Club 1st Wednesday</td>
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<td><strong>HOUSTON</strong></td>
<td>Paul Habermas</td>
<td>TBA</td>
<td>Ryan Price</td>
<td>Luis Carvajal</td>
<td>Petroleum Club 3rd Thursday</td>
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<tr>
<td><strong>LAFAYETTE</strong></td>
<td>King Munson</td>
<td>TBA</td>
<td>Houston Elkins</td>
<td>TBA</td>
<td>Petroleum Club 2nd Wednesday</td>
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<td><strong>MIDLAND</strong></td>
<td>Mike Raines</td>
<td>Joe Amezcua</td>
<td>Robert “Bob” Lindsay</td>
<td>George Friesen</td>
<td>Midland Country Club 3rd Wednesday</td>
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<td><strong>NEW ORLEANS</strong></td>
<td>Louis Lemarié</td>
<td>Toby Roesler</td>
<td>TBA</td>
<td>Eric Broadbridge</td>
<td>Bistro Orleans 3rd Thursday</td>
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<td><strong>OKLAHOMA CITY</strong></td>
<td>Greg Riepl</td>
<td>Michael Bone</td>
<td>Cody Griffin</td>
<td>Terry Hollrah</td>
<td>The Petroleum Club Chase Tower, 35th Floor 1st Wednesday</td>
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<td><strong>PITTSBURGH</strong></td>
<td>Tom Donahoe</td>
<td>Joe Smith</td>
<td>Dave Boyer</td>
<td>Anthony Johnson</td>
<td>Rotating locations, Quarterly meeting</td>
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<td><strong>SAN ANTONIO</strong></td>
<td>Tom Kirby</td>
<td>Lee Billingsley</td>
<td>Doug McGookey</td>
<td>Tim McGovern</td>
<td>Petroleum Club 3rd Thursday</td>
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<tr>
<td><strong>WICHITA</strong></td>
<td>Tom Pronold</td>
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<td>Time and Location TBD</td>
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SIPES 2024 Convention & 60th Annual Meeting

Corpus Christi, TX

Summer 2024

More info to follow

www.sipes.org
The SIPES Foundation Scholarship Write-Up

The SIPES Foundation, overseeing the scientific, educational, and charitable programs of the Society of Independent Professional Earth Scientists, is pleased to announce that seven outstanding earth science and engineering students have been selected to receive scholarship awards this year. Applications were accepted from currently-enrolled, upper-division or graduate students who are U.S. citizens, studying any field of earth science or engineering, and who have a cumulative grade point average of 3.0 or higher.

• Receiving a $4,500 award from the Marvolene Speed Bennett and Carleton D. Speed, Jr. Endowed Fund is Shawn Kekilian, an undergraduate student in engineering at the University of Tulsa.
• Receiving a $4,500 award from the Stephen E. Collins Memorial Scholarship Fund is Jordan Wright, a doctoral candidate in geology at Southern Methodist University.
• Receiving a $4,500 award from the Edward A. McCullough Endowed Fund is Rebecca Navarrette, an undergraduate student in geology at University of Texas, El Paso.
• Receiving a $4,500 award is Henry Dodds, a masters student in geology at University of Texas, Dallas,
• Receiving a $4,500 award is Joseph Pelren, a masters student in geology at the Colorado School of Mines.
• Receiving a $4,500 award is Jennifer Kinch, an undergraduate student in Mining at the Colorado School of Mines.
• Receiving a $3,000 award is Jordan Walker a doctoral candidate at Baylor University.

Since its founding in 1981, the SIPES Foundation has awarded scholarships to 281 promising earth science and engineering students. Funding for the 2023 awards was made possible through generous donations from SIPES members, bequests from the Foundation’s endowed funds above, and from designated gifts from the SIPES Fort Worth and Midland chapters. The SIPES Foundation also conducts educational seminars, contributes funding to earth science publications and continuing education programs, and maintains a library of earth science films.

The Society of Independent Professional Earth Scientists is a national organization of more than 700 self-employed geologists, geophysicists and engineers engaged primarily in domestic energy exploration and development. SIPES has twelve chapters located in oil and gas centers of the United States. Applications for the SIPES Foundation Earth Science Scholarships are available on the SIPES website annually after March 1.
The SIPES Foundation Scholarship Write - Up

Shawn Kekilian
B.S. Petroleum Engineering Spring of 2024 at University of Tulsa

Receiving a $4,500 SIPES Scholarship Award from the Marvolene Speed Bennett and Carleton D. Speed, Jr. Endowed Fund is Shawn Kekilian, an undergraduate student in Petroleum Engineering at the University of Tulsa. Shawn will graduate with his Bachelor of Science in Petroleum Engineering with a Minor in Energy Transition at the end of Spring 2024. He has a cumulative GPA of 3.85 with a 4.0 major GPA, and often sets the curve in his classes. Shawn’s professors indicate that he is a respected, intelligent, well-educated, and well-rounded individual with high moral character.

Shawn has received several honors and awards: the R.H. “Mick” Merelli/Cimarex Energy Scholarship (2022); SPE Mid-Continent Scholarship (2022); named a Petroleum Scholar by the Oklahoma Energy Resources Board (2023); Jean Heinselman/Desk and Derrick Club of Spring Branch Scholarship (2023), and a six-time recipient of the President’s Honor Roll (4.0 GPA) award. Shawn is active in the TU SPE Student Section in leadership positions such as the Communications Committee Chairman and Outreach Chair for TU’s PetroBowl team. Furthermore, Shawn is also an active participant in TU’s Geothermal Collegiate Competition team where he and his team members complete against other universities across the US to analyze the technical and economic feasibility of implementing geothermal technology in their communities. Shawn has been employed by the University of Tulsa as a mathematics Student-Athlete Tutor for the past two years, and continues to be highly recommended by his students due to his ability to present complex concepts in a comprehensible manner.

When he isn’t studying, Shawn enjoys analyzing financial statements of various companies and investing in the stock market. In addition, Shawn likes to practice coding and has even built his own fully functioning roulette simulator to analyze probabilities of various betting strategies. Outside of the classroom, he enjoys fishing, camping, and sightseeing, and is teaching himself Russian.

Shawn plans to work as either a reservoir, production, or facilities engineer in (cont’d)
the upstream part of the industry. California Resources Corporation employed Shawn as a Reservoir Engineering Intern in the summer of 2022. The Williams Companies employed Shawn as a Pipeline Facilities Engineering Intern this past summer. Shawn and his sister are part of a single parent family, and their father works hard as a police officer to help fund their education. The SIPES Scholarship award will help Shawn maintain his strong academic performance and pursue his professional career as a Petroleum Engineer.

Jordan Wright
M.S. Geology 2018 at University of Texas at Arlington; Ph.D. Geology Spring of 2024 at Southern Methodist University

A SIPES Scholarship Award of $4,500 from the Stephen E. Collins Memorial Scholarship Fund for Jordan Wright, a Ph.D. Candidate in Geology at the Roy M. Huffington Department of Earth Sciences at Southern Methodist University (SMU). Jordan submitted his first Ph.D. Manuscript entitled "Neodymium Isotopes for a Light Rare Earth Element (LREE) Depleted 3.4 Ga Archean Mantle" to Earth and Planetary Science Letters (EPSL). His Second Manuscript, which will be submitted for publication this Spring, aims to demonstrate how the world’s largest Iron Ore Pit for its Paleoarchean age was formed from dissolving neighboring flood basalts to form an iron rich shale, that became the subject of thermal exhalation, giving rise to iron ore deposits. Jordan’s Third Ph.D. Project Manuscript will be funded by the SIPES Scholarship Award that he just received.

This Ph.D. Project involves understanding the source characteristics and evolution of 3.4-billion-year-old bacteria, which has never thoroughly been documented before and will also aid in understanding the source of oxidation for the iron ore deposit, in addition to provide constraints on early Earth free atmospheric oxygen. Additionally in this project, he aims to study fluid-rock interaction (using stable isotopes), in both low- and high-temperature Archean systems, using ancient rocks (lavas, granitic plutons, shale, and bacteria) with the purpose to place constraints on the nature of seawater as it was ~3.4 billion years ago, as well as contemporary hydrothermal systems. (cont’d)
One of Jordan’s Professors, in his 42 years of teaching and training graduate students, has described Jordan’s hard-working nature and dedication to research as outstanding, whose acquired skills are applicable to wide-ranging earth science problems in solid earth issues. This includes issues related to mineralogy, petrology, and geochemistry as it can be related to the exploration for oil and gas reservoirs as well as mining. Jordan’s complete dedication to his research and learning are the hallmarks of this rising earth-scientist. After receiving his Doctorate Degree, Jordan intends to apply as a Professional Geologist to work in the mining or oil and gas industry.

With his personal time, Jordan is very enthusiastic about traveling. He tries to plan annual hiking trips to National Parks, loves spending time with his wife and dogs, enjoys grilling food outdoors and sitting around campfires chatting with friends and family.

Rebecca Navarrette
B.S. Geology 2022; M.S. Geology Spring of 2024 at University of Texas at El Paso

Receiving a $4,500 SIPES Scholarship Award from the Edward A. McCullough Endowed Fund is Rebecca Navarrette, who currently has a 3.75 GPA and is working on a Masters Degree in Geology at the University of Texas El Paso that will be received in Spring of 2024. Rebecca received her B.S. in Geology from UTEP in 2022 and has received Cum Laude-Honors in December of 2022 and was the Outstanding Graduating Senior.

Rebecca was selected to participate in the COURI SURPASS (Summer 2022) and the COURI MERITUS (Fall 2022/Spring 2023) Programs. Rebecca has received Scholarships from the AAPG SWS Section and the West Texas Geological Society. She also received a 2022 Memorial Funds Research Grant from the Colorado Scientific Society.

Rebecca underwent emergency surgery due to an infection of her intestines, from which she is still recovering. She is a single parent and must work full-time to support her family. In her off time, she enjoys hiking, skating, running, and exploring life with her daughter. She is outspoken, outgoing and takes life head-on. The SIPES Scholarship Award will allow her to focus more on her education to get her Masters Degree. After she completes her M.S. Geology Degree she wants to work in the oil and gas industry. She also wants to branch out and find work in research related to alternative energy because she thinks that is important to the future of energy consumption.
Henry Dodds
B.S. Geology 2023 at University of Texas at Dallas; M.S. Geology Spring of 2025 at University of Texas at Dallas

Receiving $4,500 SIPES Scholarship Award is Henry Dodds, who is pursuing a Masters Degree in Geology at University of Texas, Dallas. Henry currently has a 4.0 GPA and was a Magna Cum Laude in May of 2023, the Department Distinguished Alumni Award in April 2023, and the Jack C. Nielsen Outstanding Senior Award in April of 2022. Henry gave a talk at the GSA South Central section meeting last Spring in Stillwater, OK and did an excellent job, winning a second-place prize.

From the Summer of 2021 through the Summer of 2023 Henry was the Lab Technician in UTD Geosciences Micro-Imaging Lab. In the Fall of 2023 Henry Dodds will be the Teaching Assistant for Dr. Stern in Igneous and Metamorphic Petrology. Besides his earnings from being a Lab Technician and Teaching Assistant, Henry’s education is paid for by the Scholarships that he receives. The SIPES Scholarship Award will be used to fund his Master’s Research Project studying Carbonate precipitation and karsting around Turner Falls in Davis, OK. Aside from his studies in geology, Henry enjoys playing music, and is a member of a local metal band as well as a member of the UTD Jazz ensemble, and plays piano in a various projects from time to time.

After finishing his Master’s Degree at the University of Texas, Dallas Henry wants to become a Professional Geologist. Henry is interested in a career in the energy industry in the Southern United States, potentially the oil and gas or the mining industries. He likes to do Field Work and to learn new lab methods for processing collected samples.
Receiving $4,500 SIPES Scholarship Award is Joseph Pelren, who is working on a Master’s Degree in Geology at the Colorado School of Mines. He anticipates being finished with his Master’s Degree in the Spring of 2025. Joseph received B.S. degrees in Geology and Chemistry at the University of Tennessee at Martin with a final GPA of 3.96.

Joseph’s Awards and Honors include recognition as the 2021 Outstanding Geoscience Student; the 2022 and 2023 William T. McCutchen Outstanding Geology Student; the 2023 Outstanding Chemistry Major; and reception of the 2021 and 2022 Geology Leadership Awards; the 2023 Geology Student Research Award; and the 2023 Inorganic Chemistry Award. Joseph spent a semester abroad, completed an undergraduate thesis project entitled “Comparative Analysis of Lava Tube and Lava Flow Basalts, Mount Etna, Sicily, Italy,” and co-authored a presentation on the project that was presented at the GSA Connects 2022 Meeting in Denver, Colorado.

Joseph has worked several jobs to support his educational funding; he worked as a Library Media Center Student Worker (2019-2021), Geology Museum Intern for the University of Siena, (2021), Biology Summer Intern (2021), UTM STEM Center Student Worker (2022), and Chemistry Teaching Assistant (2021-2023). Joseph’s Professors believe that his academic and leadership qualities are outstanding. He is very rigorous on his assignments and his verbal and written communication skills are exceptional. Outside of school, Joseph has several interests and hobbies, including drawing, hiking, playing the baritone, and gardening. He also loves to read, with some of his favorite authors including J.R.R. Tolkien and C.S. Lewis. He was married back home in Tennessee in October 2023.

After completing his Master’s Degree, Joseph wants to pursue a career in Economic Geology, specifically in the industries of critical mineral exploration or mining. Mineralogy and geochemistry have always been his favorite subjects in Geosciences, so he especially loves working in a laboratory setting.
Jennifer Kinch
B.S. in Mining and Mineral Engineering Spring of 2025 at the Colorado School of Mines

Jennifer Kinch is receiving $4,500 SIPES Scholarship Award and is working on her B.S. in Mining and Mineral Engineering at the Colorado School of Mines. She currently has a 3.44 GPA and will graduate in the Spring of 2025. Jennifer is an active member of the Colorado School of Mines “Mining Competition Team” for the past two years, as well as an active participant in the student chapter of the Society for Mining Metallurgy & Exploration. In the Spring of 2023, she was on the Intercollegiate Mining Games Champion Team and won the competition. Jennifer also volunteers over 200 hours annually for her local community through helping with yardwork, educating the public about mining, outreach for the mining department, and aiding with community events.

Jennifer is a first-generation college student, and her parents did not support her decision to go to college. Her parents do not provide her any funding, and will not help her get a student loan. So, without the support of her parents, Jennifer cannot get college grants, work-study, or federal student loans. Jennifer has her own financial resources from working and any scholarships that she can receive. During the Summer of 2022 Jennifer worked 80-90 hours a week between three jobs to help pay for her education at the Colorado School of Mines. She didn’t have a car, so she had to walk from job to job. In the Summer of 2023 Jennifer did an Internship at the Navajo Coal Mine with NTEC. And yes, she had to get a car to do that.

When she gets her B.S. Degree in Mining Engineering from the Colorado School of Mines, she wants to earn her Professional Engineer License while working in Operations/Mine planning. Jennifer would like to work in gold and copper operations and travel to other places in the world. After she gets experience in Mining, she would like to develop her own mining company in the future. Being a woman in a male dominated industry she also wants to support and inspire other women to get hands on in the field.
The SIPES Foundation Scholarship Write - Up

Jordan Thomas Walker
B.S. Geology 2020 at Colorado Mesa Univ.; M.S. Geology 2022 at Southern Illinois University Carbondale; Ph.D. Geochemistry 2026 at Baylor University

Receiving a $3,000 SIPES Scholarship Award is Jordan Walker, a Doctoral Candidate at Baylor University. Jordan got a B.S. in Geology in 2020 at Colorado Mesa University with a 3.38 GPA and a M.S. in Geology at Southern Illinois University Carbondale (SIUC) with a 3.75 GPA. At Baylor University, Jordan has a 3.90 GPA and will graduate with Ph.D. in Geochemistry in Spring of 2026. Jordan has earned numerous Awards and Honors: Eagle Scout (04/2015); Geosciences Tuition Scholarship (04/2018 - CMU); CMU AAPG Student Chapter President (2018-2019); MAVworks Scholarship (04/2019 - CMU); Grand Junction Geological Society Field Camp Award (04/2019 - CMU); William C. Hood Student Research Award (04/2020 - CMU); Graduate Student Teaching Excellence Award (04/2022 - Southern Illinois University Carbondale (SIUC).


The SIPES Scholarship Award will support a research trip to the Canadian Research Center in Calgary, Alberta, Canada in March of 2024. Jordan’s dissertation title is “Palaeoceanographic Conditions of the Second White Specks Formation Spanning Oceanic Anoxic Event 2 in the Western Canadian Sedimentary Basin of Alberta, Canada”. After Jordan finishes his Doctoral Degree, he will conduct great geochemical, petrophysical, and sedimentological research so that he can get a job in the oil and gas industry. After having experience as a Petroleum (cont’d)
Geochemist, Jordan wants to go back into academia and train students in Geology and/or Geochemistry as well as conduct small petroleum related projects for oil and gas companies.

Outside of the Academic world, Jordan enjoys fishing, hiking, camping, backpacking, and looking for cool rocks. He is always searching for cool rocks while out fishing, hiking, camping, and backpacking! He appreciates whenever he can catch a monster of a largemouth bass or witness the beauty of nature when camping, e.g., a nice sunset. More of Jordan’s interests include philosophy, personal development, and cooking. As the weather changes and it gets cooler, Jordan likes to cook a dish called pork green chili stew which goes great on its own or over scrambled eggs. Lately, Jordan has been reading the works of Descartes, David Hawkins, M.D., Ph.D., and David Goggins. Jordan’s favorite quote by Descartes is “conquer yourself rather than the world”. Currently, Jordan has made an effort to workout often and go running more because he realizes that physical activity is becoming more appreciated in the benefit and effectiveness of the mind and as Descartes said, "it is not enough to have a good mind; the main things is to use it well".

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