



STEAM Sprouts

Learn to Code

3D Adventurers

Lego Mini Masters

STEAM Sprouts

Movie Maker Mondays

Trolls World Tour

To Infinity & Beyond

Onward

Movie Maker Mondays

Summer Science Camps

Splash Into Science Go Camping

The Croods: A New Age

Full STEAM Ahead

Summer Science Camps

## Summer Science Programs

Winter is ending (finally) and summer is just around the corner!

Join us as we kick off the summer with **STEAM Sprouts Mini Science Camps**. STEAM Sprouts *Learn to Code Mini Camp* will be held on Wednesday, May 26, and Thursday, May 27. STEAM Sprouts *Go Camping* will be held on Wednesday, June 2, and Thursday, June 3. Each camp will have two identical sessions offered, one from 9:30 to 11 a.m., and the second from 12:30 to 2 p.m. Each Mini Camp will feature hands-on STEAM (Science, Technology, Engineering, Art, and Math) based programming for 4- and 5-year-olds. The camps will highlight collaborative experiments and inventive projects designed to get young minds excited about science. Cost is \$40 per session for Museum members and \$50 per session for non-members. Thank you to **SM Energy** for generously sponsoring the STEAM Sprouts program!



**Movie Maker Mondays** will be back this summer! Movie Maker Mondays will be held the second and fourth Mondays of June and July. Each Movie Maker Monday will feature hands-on experiments, engineering challenges, inventive projects, and games. The 2021 Movie Maker Monday lineup features *"The Croods: A New Age"*, *"Onward"*, *"Trolls World Tour"*, and *"Scoob!"*. Movie Maker Mondays will be held from 1:00 to 5 p.m. for students ages 6-12. The cost is \$10 per child for Museum members and \$15 for non-members. Pre-registration is required.



The Museum will also be offering several **Summer Science Camps** for students ages 6-8 and 8-12. For students ages 6-8, we will offer three three-day Science Camps in June. Topics will include *"Full STEAM Ahead!"*, *"To Infinity & Beyond!"*, and *"Splash into Science"*. Cost per session is \$60 for Museum members and \$75 for non-members.



For students ages 8-12, we will offer two four-day Science Camps in July. Topics will include *"Lego Mini Masters: Dream Park"* and *"3D Adventurers"*. Cost per session is \$80 for Museum members and \$100 for non-members. For both age groups, students will engage in collaborative, hands-on projects and creative activities.

All science programs require pre-registration. Go online to [www.pbpetro.org](http://www.pbpetro.org) to register your young scientist!

**Summer registration:**  
**Open to members, March 15**  
**Non-members, March 18**



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**Permian Basin  
Petroleum Museum,  
Library and  
Hall of Fame  
...exploration,  
innovations  
and legends...**

## Volunteer

## Campbell: Education is the Key

"Education is the foundation on which the Petroleum Museum was built," noted Danny Campbell, a member of the Board of Trustees.

"I have always looked to the Petroleum Museum as a source of education," he said. "It's educating family members who don't understand the industry, people who are driving down the Interstate and stop, people living in outlying communities, and the younger generation. My driver has always been to get people to the Museum for educational purposes."

A critical point is helping family members of people who work in the industry to understand it. "If he is a pumper, a roustabout, running a logging truck or a geologist, the family members can't get close to his work. The Museum helps people understand how the industry works and all aspects of the jobs," Campbell said.

Going forward, the Museum needs to continue focusing on the younger generation and how the industry is expanding into other types of energy in addition to oil and gas.

"What we did 10 years ago has definitely changed. Horizontal well and completion technology have expanded our industry. How do you educate someone on that? How do we tell it in displays so we stay current on what is being done today? There are very few places to explain those issues today and that is the role of the Museum. Letting people touch things is very different from looking at something on a piece of paper.

"It's a way of educating all generations. People who can't touch it or see it in the field can experience hands-on learning at the Museum and it's an uplifting experience," Campbell said.

Other building blocks of the Museum include the arts, race cars and minerals, providing other avenues of learning for people of all interests.

Campbell first experienced West Texas as a college student interning with companies during two summers. After graduating in 1980 from Louisiana State University, he accepted a job with ARCO Oil & Gas and moved to Midland. In the ensuing years, he worked for other energy companies and banks. In 2007 he joined Henry Petroleum and now serves as co-manager of Henry Resources.



## Gas Station Signs Stand Tall in 'Oil Patch'



The Museum recently acquired two "new" pieces for its collection. Two old style gas station signs, one Cosden and one Texaco, have been donated to the Museum. **R. D. Wallace with Petro Products Corp.** donated the Texaco "banjo" style sign. This sign was located in Bledsoe, Texas near the New Mexico border from 1964 to 1977. **Lamar Advertising Company**, which offices in Midland and Lubbock, assisted with moving the sign to the Museum.

The second sign was found near Sand Springs and donated by **Bobby Kiser** who owned it from the 1970's. **Oil Works, Inc.** in Odessa renovated this sign. Thanks to all these companies and their help to continue to tell the petroleum story, both of these signs have a new home in the Museum's Oil Patch. Come take a stroll through the Oil Patch and enjoy the nostalgia of days gone by.



## Our Spaces Make Events Memorable

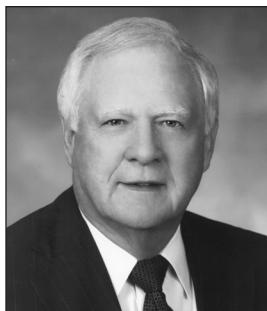
As we move toward warmer weather, remember the Petroleum Museum for your next event. We have several unique indoor and outdoor spaces for events of all types. Whether you are looking to host a business lunch for 20 or a cocktail reception for 300, we have spaces that will make your event memorable for all the right reasons.

Visit [www.pbpetro.org/facility-rentals](http://www.pbpetro.org/facility-rentals) or email [rentals@petroleummuseum.org](mailto:rentals@petroleummuseum.org) for more information on available spaces and prices.





**Frank M. Late**



**Paul L. Morris**



**Fred M. Newman**

## **2021 Petroleum Hall of Fame Dinner**

**Thursday,  
April 29, 2021**

**Bush Convention  
Center**

**Contact  
Luanne  
Thornton  
at the Museum  
for more  
information,  
432-683-4403.**

# **Honoring** Three Who Dared

We invite you to join us in honoring the 2021 Petroleum Hall of Fame inductees: **Frank M. Late**, **Paul L. Morris**, and **Fred M. Newman**.

The induction ceremony and dinner will be held Thursday, April 29, 2021, at the Bush Convention Center in Midland, Texas. The Permian Basin Petroleum Museum's Board of Trustees and staff will also host a brunch to honor the inductees and their guests on Friday, April 30, at the Petroleum Museum.

It will be a memorable evening celebrating the historic accomplishments of these individuals who have distinguished themselves as leaders in the petroleum industry. As members of this elite group, each inductee has upheld the tradition of triumphs in the petroleum industry that will be remembered and beliefs that will serve to inspire. The Petroleum Hall of Fame is dedicated to those who cherished the freedom to dare, and whose work and service helped develop the Permian Basin petroleum industry.

Your presence and support will help us honor these remarkable men. If you are interested in attending the dinner or acknowledging these great men with a monetary gift to the Museum, please call or email Luanne Thornton at 432-683-4403 or [ltornton@petroleummuseum.org](mailto:ltornton@petroleummuseum.org).

## **Deepwater Horizon Rig Model Gifted to Museum**

The Petroleum Museum is proud to showcase a stunning glass model of the Deepwater Horizon Rig. The gift was orchestrated through the Ocean Star Museum in Galveston and transported to the Museum with help from the Houston Museum of Natural History.

The donor, **Chuck Davidson**, worked in Midland for ARCO during the 1980's and later moved to Houston and became CEO of Vastar who had been contracted to build the off-shore rig. The model was a gift from Davidson, who received it as a gift from his executive team at Vastar.

We are thrilled to add this beautiful piece to the Museum's collections and are very grateful to the Davidsons for their trust in the Museum to be its new home.



### **Mineral Gallery**

## **Tourmaline + Quartz, Albite**

This beautiful specimen of Tourmaline with Quartz and Albite is currently on loan to the Museum from **Jim Gibbs**. This stunning tourmaline is wrapped with two large quartz specimens and albite.

"Tourmaline" is the name of a large group of boron silicate minerals. These minerals share a common crystal structure and similar physical properties, but vary tremendously in chemical composition, resulting in a huge variety of colors.

Tourmaline most commonly occurs as an accessory mineral in igneous and metamorphic rocks. Large, well-formed crystals of tourmaline can form in cavities and fractures during hydrothermal activity. Beginning in the late 1800s, incredible tourmaline discoveries have been made in the pegmatite deposits of Minas Gerais, Brazil which is where this specimen was mined.



**Tourmaline Wrapped  
with Quartz, Albite  
Mined in Brazil**

## Traveling to Classrooms

The Museum is proud to provide resources for teachers in the surrounding communities through virtual programming and our travelling STEM trunks. Bring the Museum into your classroom with one of our outreach programs featuring topics such as animals, dinosaurs, or geology or check out a travelling trunk complete with all the materials needed to teach hands-on STEM lessons in your classroom. Contact our Education Department at 432-683-4403 or [education@petroleummuseum.org](mailto:education@petroleummuseum.org) to schedule your program today!

**\*We would like to mention that the Museum is open to schedule in-person tours and programming. Contact our Education Department at 683-4403 to schedule your visit today!**



## ASK Dr. Petro

### Explain Energy Use Produced by Fossil Fuels



**Question:** How much energy is produced in the U.S. by fossil fuels?

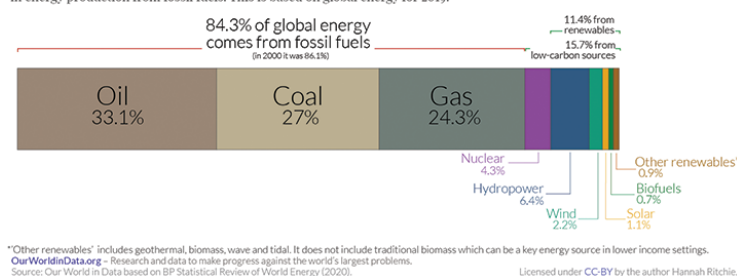
**Answer:** 80% of all of the energy produced in the U.S. (2019) according to the U.S. Energy Information Administration is produced by fossil fuels. Similarly, about 84.3% (2019) of all the electricity produced in the world comes from fossil fuels.

Efforts to transition the U.S. economy from fossil fuels and into more renewable energy face significant challenges as well as economic costs. Fully transitioning to a renewable energy economy will require an unsustainable amount of raw materials and land with current technology.

But even more importantly, renewable energy sources have a much lower energy density than fossil fuels. They need more energy to capture the same amount of power from other sources equal in volume. Gasoline, for example, is ten

### Global primary energy consumption by source

The breakdown of primary energy is shown based on the 'substitution' method which takes account of inefficiencies in energy production from fossil fuels. This is based on global energy for 2019.



quadrillion times more energy-dense than solar radiation, and one billion times more energy-dense than wind and water power.

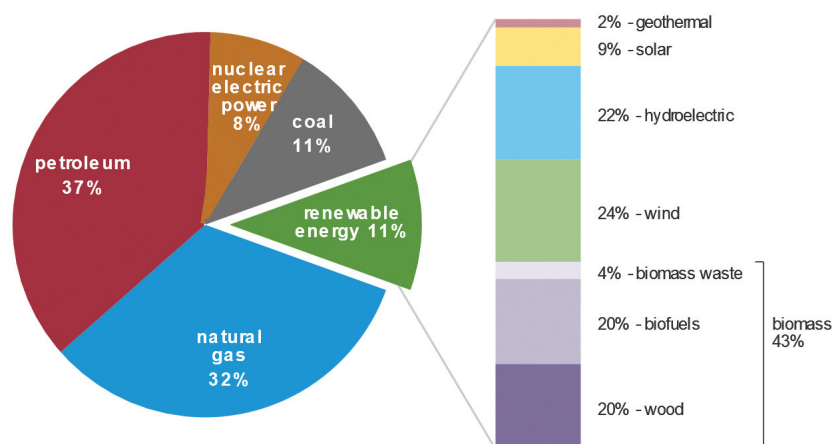
Because of this variation in energy density, there are considerable limits to how much energy we can actually get from renewables compared with the amount of land needed for production. In most instances, the environmental impact of relying on more renewable energy may be the same or greater than extracting and burning oil, natural gas, or even coal.

Wind, solar, and hydropower require 10-50 times more raw materials, including iron, copper, aluminum, and cement per unit of energy produced than coal- and gas-fired electric generation. The land footprint needed to support wind turbines and solar panels to account for the fossil fuel piece of the energy pie is equivalent to the size of Germany (wind) plus Greece (solar)! Since renewables are not carbon free and solar panels and wind turbines are built and maintained with petroleum products, the additional land and mining requirements for these alternative energy sources raise serious questions about the environmental and economic costs of such sources.

### U.S. primary energy consumption by energy source, 2019

total = 100.2 quadrillion British thermal units (Btu)

total = 11.4 quadrillion Btu



Note: Sum of components may not equal 100% because of independent rounding.  
Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 1.3 and 10.1, April 2020, preliminary data





# The Petroleum Museum

## 2020 Year-End Profile

Shutdown. Pivot. Collaboration. Create. These terms describe 2020 for the Petroleum Museum.

The Museum experienced the most unusual year in its history when the coronavirus pandemic forced everything in the country to close for several weeks. The staff never stopped working to create new ways to inform and reach people of all ages. They pivoted from the typical museum methods of in-person and hands-on to producing videos ranging from Creature Features to virtual Oil Patch tours and details about the Chaparral racecars. People quarantined at home could access all this with a click.

The Museum collaborated with other entities to bring everything to anyone's home, including Family Science Night.

The staff worked hard to fulfill the Museum's mission: *To share the petroleum and energy story and its impact on our lives.*

And they succeeded.



## Many Thanks for Your Support!

Since 1975, generous contributors have enabled the Permian Basin Petroleum Museum, Library and Hall of Fame to educate and inspire thousands of visitors annually. We gratefully acknowledge the many individuals and organizations that continue to support the Museum

through their membership contributions, program sponsorships, and generous donations. This generosity enables the Museum to continue to share the petroleum and energy story and its impact on our lives.



## 2Go Boxes Keep Family Science Nights Successful

This year, the Museum completed its 24th year of successful Family Science Nights. Encouraging families to explore the sciences together has been the hallmark of Family Science Nights. Families traveled through the solar system with *Out of This World*, dissected the important minds of the science world with *Science of the Ages*, and had a slimy good time with *Grossology*. Museum staff wouldn't let a pandemic stop the learning fun, so **Family Science Night 2Go** boxes were created for the second half of the year. Equipped with all the materials and information needed to conduct 10-12 science activities, families could join staff on the Museum's Facebook Live page for a demonstration of some of the activities from each box. Thank you to our long-time sponsor **Chevron** who makes this event such a success.



Sue Roseberry, Storyteller

## Brown Bag L&Ls Add to Learning

Adults attending the Museum's monthly lunch and lecture series expanded their knowledge on a variety of topics such as: **Angela Staples**, Senior VP Land & General Counsel to Tall City Exploration, LLC & General Counsel to Permian Basin Petroleum Association led a discussion on the impacts of oil and gas law on our lives; **Randy Wilson**, U.S. veteran, shared amazing stories as we celebrated the U.S. veterans that risked it all for our great country; **Jeff Thomas**, Co-Founder and Manager of Tall City Brewing Co. discussed the hopes of a dream brewery and how he is keeping it alive in unique times; **Sue Roseberry**, professional storyteller entertained guests with Christmas holiday stories that lifted spirits and tapped into the joy of the season.

The monthly series provided guests with a wealth of information and entertainment thanks to underwriting provided by **Norma J. McGrew**, and **Hahl Proctor Charitable Trust**, Bank of America, N.A.

## Changing with the Times

COVID-19 changed how all businesses operate. As meetings went virtual in 2020, the Museum realized there was a need to remain current and relevant as well as provide a quality experience for our rentals. Many businesses and organizations choose the Museum for their event because of our venue and A/V capabilities for meetings, trainings, and seminars. The addition of audio/visual equipment in the board room will enable the Museum to offer a high tech, quality venue while providing resources to businesses and organizations that depend on reliable equipment for their presentations, trainings, and seminars. Thank you to the **Permian Basin Area Foundation (PBAF)** and **Permian Historical Society General Fund** of the PBAF for enabling the Museum to keep up with the changing times.



## Two Pieces Added to Collections

The Museum was fortunate to add two new spectacular pieces to its collection in 2020. "*The Oil Patch*," an oil painting by Midland artist **Don Parks**, was donated to the Museum by **Paula and Jim Henry**. **Nancy and Chuck Davidson** of Houston donated a glass model of the offshore drilling rig, the Deepwater Horizon. The Museum is grateful to both Paula and Jim Henry and Nancy and Chuck Davidson for their unique and beautiful gifts that have enhanced the Museum's collection for all visitors.

# 2020 Contributions

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## COLLABORATING

### Collaborating Organizations

Amelia Island  
 Concourse d'Elegance

CO<sub>2</sub> Conference

NAPE

Permian Basin Water  
 in Energy Conference

Petroleum Pioneers

## Working Together for Success

During the pandemic shutdown in the spring, the Museum worked with other organizations in numerous ways to continue telling the energy story and to provide assistance. The Museum joined six other institutions to create a Joint Online Learning Initiative which shared each institution's activities, videos and resources. The Museum also utilized its 3D printers to produce more than 100 ear-savers and over 50 face shields for the healthcare community.

As the pandemic impacted in-school learning, the Museum offered students a safe place to learn and grow. Students came to "school" at the Museum with safety protocols in place and the staff provided assistance with schoolwork. Thank you to **Abell-Hanger Foundation** for giving working parents a resource for a safe learning environment during such trying times.



**AH Abell-Hanger Foundation**  
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The Yarborough Foundation

## CREATING

# Science Camps, Movies Challenge Kids' Minds



Summer 2020 was scientifically spectacular! Students throughout the Permian Basin enjoyed Summer Science Camps and Movie Maker Mondays at the Museum. *Summer Science Camps* centered around Robotics and STEM Art where students were engaged in fun science experiments, creative activities and robotic design created to engage young minds in science. Students went *Wild About Science*, got *Mad About Science*, found their creativity with *Innovator Playground-3-D Printing*, and designed with a LEGO Mini Masters-Monster City.

During *Movie Maker Mondays*, children participated in interactive experiments, collaborative engineering challenges, creative activities and games centered around popular animated movies.

Thank you to **Apache** for underwriting the Summer Programs.

**Apache**

# Sprouts: Fun for Young Scientists

Programming for our youngest future scientists was offered in the summer and fall. Each class offered fun experiments and creative activities that were designed for 4- and 5 year-olds to spark tinkering young minds and get them excited about science. The Museum offered sessions featuring hands-on STEAM (Science, Technology, Engineering, Art, and Math) classes such as *LEGO Maker*, *LEGO Simple Machines*, and *nature-based STEAM programming*. In each session, "Sprouts" engaged in hands-on engineering challenges and activities centered around each topic.



STEAM Sprouts was generously sponsored by **Occidental**.





# Robotics, Funlabs Focus on Engineering Challenges



Throughout the year, *Building Bots Robotics* & *Funlabs* enabled children in grades K-6 to engage in engineering challenges, team building, and robotic creative design. With different themes for each session, these classes featured **LEGO WeDo 2.0 sets**, **LEGO Mindstorm EV3 sets**, **Ozobots**, **Osmos**, **Spheros**, and **KUBO robotics** equipment. This STEAM (Science-Technology-Engineering-Art-Math) educational programming continues to be a great way to get kids excited about learning and enhance their critical thinking skills. Young minds were enlightened thanks to the generous support of **Anadarko**.



STEM Gems inspired junior high girls to develop expertise in skills such as critical thinking, creativity, collaboration, communication, leadership, initiative, productivity, and social aptitudes. The sessions featured STEM project-based learning targeting 7th & 8th grade female students. The activities followed the school curriculum for math and science to help reinforce what they are learning in the classroom. The young ladies gained confidence in their abilities to understand and succeed not only in math and science but all their courses as well as acting as role models for others in school and at home. Thank you to **Ovintiv** for sponsoring STEM Gems.



## STEM Gems Inspiring Girls

## STEM Education Center Contributors

Abell-Hanger Foundation  
Jim Alsup  
Kay Arrell  
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Kathy Shannon  
*In memory of Betty Gilmore*  
Joyce Sherrod  
SM Energy



*The Petroleum Museum looks forward to breaking ground on its new Education Center in 2021. Thank you to all of our 2020 donors who brought this exciting addition closer to this reality!*

Kay & George Smith  
Val & Jeff Sparks  
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Tierra Company L.P.  
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James White  
Terry & Jack Wilkinson, Jr.  
Jane M. Wolf  
*In honor of Kathy Shannon*  
Claire & Jim Woodcock  
Lisa & Matt Worden  
Mr. & Mrs. Max Wright

## Museum Promotes City Tourism



Tourism advertising is a vital part of attracting tourists to visit Midland and the Petroleum Museum. A multi-platform approach is used to reach a wide target market of prospective tourism visitors. These platforms include a regularly updated website, active social media accounts with paid advertising, the Passport to Midland App, selective print advertising in tourism and Midland-based publications, and a billboard targeting Interstate 20 traffic. These avenues assist in ensuring that the Museum welcomes an average of 50,000 guests per year. Thank you to the **City of Midland** for allowing us to showcase the Museum and Midland to tourists from across the globe.

## Endowment Helps With Operations

By the end of 2020, the Museum's Permanent Endowment fund grew to \$7.58 million. The Endowment allows the Museum an annual allocation, limited to a maximum of 5 percent of the total value, which is used to support the Museum's operating budget. The Museum's fund is monitored by an outside firm and is reviewed regularly for performance by the Petroleum Museum's Investment Committee.

The Endowment plays a vital part in assisting with the business of operating. Contributions designated or made in memory or in honor of someone are placed in the endowment.

# 2020 Endowment Contributions

Mary Beth Anton & Jeffrey Hewett  
*In memory of William C. "Bill" Porter*  
Lee Barberito  
*In memory of Clayton Williams, Jr.*  
Mr. & Mrs. Andrew Bell  
*In memory of Clayton Williams, Jr.*  
Laurie & Miles Boldrick  
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*In memory of William C. "Bill" Porter*  
Mr. & Mrs. David L. Davis  
*In memory of William C. "Bill" Porter*  
Jo & Alan Douglas  
*In memory of William C. "Bill" Porter*  
Arlen Edgar  
*In memory of Johnny Glidewell*  
*In memory of Sarah Lew Link Grimes*  
*In memory of James B. Henry*  
*In memory of W.V. "Red" Roberts*  
*In memory of Clayton Williams, Jr.*  
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Mr. & Mrs. Glen J. Ellis  
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Mr. & Mrs. Donald L. Evans  
*In memory of Clayton Williams, Jr.*  
Linda Foster-Smith  
*In memory of William C. "Bill" Porter*

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Sarah C. Hardwick  
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Kaye Horchler  
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Van A. Mabee  
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*In memory of William C. "Bill" Porter*  
Shawn Mowles  
*In memory of William C. "Bill" Porter*

Beverly & Brian Olsen  
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*In memory of Clayton Williams, Jr.*  
Patricia Stanley  
*In memory of William C. "Bill" Porter*  
Julie & Brad Swendig  
*In memory of William C. "Bill" Porter*  
Mr. & Mrs. Don Tomlin  
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Frances J. Tuttle  
*In memory of William C. "Bill" Porter*  
Jane Williams  
*In memory of Patti & Watson LaForce*  
Mary Winterrowd  
*In memory of Clayton Williams, Jr.*  
Jane Wolf  
*In memory of William C. "Bill" Porter*  
*In memory of Clayton Williams, Jr.*  
Lisa & Matt Worden  
*In memory of Benito Escobedo, Sr.*  
John A., Sr. & Charlotte G. Yates  
Legacy, LLC  
*In memory of Clayton Williams, Jr.*



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Don Waldron  
Andy Wallace  
John Warren  
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*The Museum was honored to be invited to display two cars at the 2020 Amelia Island Concours d'Elegance held in March at Amelia Island, Florida. On exhibit were the Chaparral 2, featured here with cars Roger Penske and his team had driven, and the GS IIB. Concours guests enjoyed seeing the GS IIB, its first public appearance outside the Museum in over 50 years.*



## Levels of Membership

Membership has its privileges! All membership levels are renewed annually and are non-transferable. Prices are subject to change.

### All members receive:

- Free Admission for you and your guest (Individual, Corporate, and Organization employee/constituent must be present for free admission)
- 15% discount in the Museum Store
- 15% discount on facility rentals
- Discounts on select education programs

MEMBERS ONLY early access to Family Science Nights and select Special Events

### Energy Circle

- All of the above
- Patron and Sustainer receive one (1) free daytime rental of Board Room
- Benefactor and Director receive one (1) free daytime rental of Auditorium
- 25% discount on all other facility rentals
- Exclusive Energy Circle events
- Featured company/organization logo in Museum publications and website

### Individual

- For individuals or families  
Member must be present for free admission  
Family, \$75; Friend, \$150; Associate, \$300; Supporter, \$600  
Energy Circle – Patron, \$1,000; Sustainer, \$2,500; Benefactor, \$5,000; Director, \$10,000

### Corporate

- For companies and corporations  
Employee must be present for free admission  
Associate, \$300; Supporter, \$600  
Energy Circle – Patron, \$1,000; Sustainer, \$2,500; Benefactor, \$5,000; Director, \$10,000

### Organization

- For organizations and educational institutions  
Employee/constituent must be present for free admission  
Associate, \$300; Supporter, \$600  
Energy Circle – Patron, \$1,000



## Museum Exhibits & Oil Patch

Many thanks go out those businesses and individuals that made the Museum's Oil Patch come to life. The Museum's Oil Patch contains the largest collection of antique oilfield equipment in the nation and tells the diverse story of the early days of the oil industry. With the help of so many, we were able to preserve and protect this equipment for all to learn, enjoy and even reminisce about the past or look to the possibilities of the future. **Thank you to:**

**Asco Rental** (Equipment used for Oil Patch projects)

**Daylight Petroleum** (Donated pumping power unit for Oil Patch exhibit)

**Helmerich & Payne Inc.** (Trucking donated to move equipment from oil fields to Museum)

**Ronald Parks Estate** (Donations to Oil Patch fund)

**Walsh & Watts Inc.** (Donate pumping power unit for Oil Patch exhibit)

**Warren Cat Rentals** (Manlift used for Christmas lights)

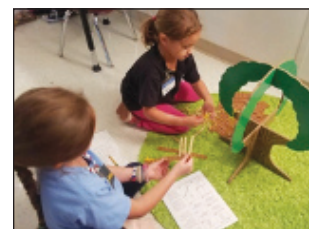
**4D Excavation** (Clearing of property for new exhibits)

## Traveling Trunks Reach Students

Due to the pandemic, students weren't allowed to take field trips and Museum staff weren't allowed into schools. The perfect solution to reaching area students and assisting teachers was the Museum's Traveling Trunks.

Throughout the year, 15 trunks were checked out by teachers from schools in Ector County ISD including Cameron and LBJ Elementary schools. In Midland, Jane Long, Sam Houston and Fannin Elementary schools enjoyed the resources our trunks provided.

With over 35 trunks to choose from, trunks include "ready to go" STEAM activities with unique hands-on, cross-curricular STEAM teaching tools that help teachers across the Permian Basin to bring the Petroleum Museum into the classroom. The trunks build on fundamental disciplines like science, technology, engineering, art, math, social studies, and language arts. Each trunk contains TEKS (Texas Essential Knowledge and Skills) aligned lesson plans and activities that provide the teachers with a ready-made STEAM solution that can immediately be integrated into the classroom. For more information about our Traveling Trunks and how to check them out, contact the Education Department.



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## CALL US:

Every effort was made to produce an accurate listing of contributions for this publication. If your name has been misspelled or has not been listed to your satisfaction, please call Luanne Thornton at 432-683-4403 or send an e-mail to [lthornton@petroleummuseum.org](mailto:lthornton@petroleummuseum.org).

# Family Science Night 2GO: *STEM-gineering*

*STEM-gineering April 15, 2021 6:30 p.m. Virtual Event*

Channel your inner engineer as you explore the world of Science, Technology, Engineering, and Math with our upcoming **STEM-gineering Family Science Night 2GO box**.

Perfect the engineering design process as you engage in hands-on STEM challenges such as building your own catapult, constructing tensile bubble wands, innovative bridge design and much more. Each box comes equipped with all the materials and information needed for your family to complete 10 unique STEM challenges.



Registration to pick up a STEM-gineering Family Science Night 2GO box will open on **Monday, March 15**. Join us on the Petroleum Museum's Facebook page on **April 15 at 6:30 p.m.** for a STEM-sational demonstration. Go online to [www.pbpetro.org](http://www.pbpetro.org) for more information.

We extend a special thank you to **Chevron** for making these free, science-packed boxes available.



## *Feature to Help Mikey Cool Off*

There is a new addition to the Museum's Critter Corner and it's not quite what you think! Mikey, our Sulcata Tortoise, has recently received a new water feature in his outdoor enclosure! This water feature, designed and installed by **Extreme Exteriors**, will provide Mikey with plenty of room to stay hydrated and cool off in the West Texas heat as he continues to grow. Sulcata Tortoises, also known as African Spurred Tortoises, are the third largest tortoise breed in the world. A full grown Sulcata can weigh approximately 100 to 200 pounds and can have a shell diameter ranging from 18 to 24 inches.

Not only will this water feature serve Mikey, but it will also provide water for the Museum's resident box turtles, native wildlife, and eventually Shelly, the Museum's second Sulcata Tortoise. Be sure to stop by and check out Mikey's new water feature on your next visit to the Museum!



## **Partnership:** Bringing STEM to YWLA Academy



***Students in the Young Women's Leadership Academy work on a STEM Gems problem.***

The Petroleum Museum is excited to start a new adventure as we bring STEM Gems, an afterschool program designed to engage sixth, seventh, and eighth grade girls in Science, Technology, Engineering, and Math, to the students at Young Women's Leadership Academy in Midland.

YWLA is a partnership between Midland ISD and the Dallas-based Young Women's Preparatory Network. It allows students to engage in a rigorous academic program and participate in field trips with a college-bound emphasis, enrichment classes, and extended-year summer learning projects that enhance the college preparatory curriculum. With STEM receiving a special emphasis in this program, we felt that bringing STEM Gems to the bright, young women at YWLA would be a great fit.

STEM Gems features STEM project-based learning that helps to reinforce the challenging learning opportunities students are completing in the classroom. Each student will receive a monthly STEM box that contains materials to complete a themed STEM Challenge. Girls will also complete group activities throughout each unit that help reinforce various testing concepts throughout the semester. We extend a special thank you to **Ovintiv** for making this program possible!





## Membership Gives Perks All Year Long

No time like the present to join or renew your membership! Museum membership has many perks beginning with free admission and store discounts. To become a member, log on to our secure website at [www.pbpetro.org](http://www.pbpetro.org) or contact Luanne Thornton at 432-683-4403.

Welcome to our newest and renewed members as of December 1, 2020, to February 10, 2021:

### Contributing

#### Family

Emily Baal  
Brandon Booher  
Kathryn & Grant Bougere  
Rachael & Sean Cherry  
Abby & Kevin Christensen

Ellen Conner  
Mr. & Mrs. Michel Curry  
Kendall & David DaGian  
Joel Fregia  
Kathryn Frerich  
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Lacie & Entee Sublett  
Mr. & Mrs. Kimery Uhl  
Mr. & Mrs. John Utter  
James White

#### Friend

Mr. & Mrs. Carey Behrends  
Julie Cole  
Marianne Green  
Kaye B. Horchler  
Kevin Ryan

#### Associate

Laura Paige Innerarity  
Luanne & Randy Thornton  
Lisa & Matt Worden

#### Supporter

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of Law

#### Sustainer

Jeanie & Tom Johnson  
Kathy Shannon

## Browse Our Merchandise

We look forward to seeing you at Rose-land's Oil & Gas Convention this month. Be sure to stop by the Museum's booth to say hello and browse our merchandise from the Museum Store. See you there!

## Speakers Set for BB&L

**Hailey McCarthy**, principal from IDEA Travis, will be the Brown Bag Lunch & Lecture speaker on April 15. She will share the foundation of IDEA schools and why Midland students are fortunate to benefit from this new school.

**Scott Dufford** will speak at the May 13 BB&L about the life of a small business owner in Midland and the challenges to be faced. A Midland city councilman since 2001, Dufford is one of the new owners of Murray's Deli.

BB&Ls start at 11:30 a.m. and are free.

## APPLAUSE, APPLAUSE

We want to give a round of applause to the following friends, companies and businesses. Their in-kind contributions of time, assistance or services are appreciated:

*4D Excavating, Inc.*  
*ASCO Equipment*  
*Expert Pumping Unit Services*  
*Warren CAT Equipment Rentals*

Memorial contributions to the Petroleum Museum are deposited in the permanent endowment fund, unless donor advised, to provide ongoing tribute to the individuals recognized in bold. Donors are listed below the honoree. Contributors from December 1, 2020, to February 10, 2021, were:

## Memorials

### IN MEMORY OF...

#### **Raiford & Ruth Burton**

Bettie G. Burton

#### **Sarah Lew Link Grimes**

Arlen Edgar

#### **Hunter Halloway**

Morris Burns

#### **Cecil Rhodes**

Mr. & Mrs. Richard Donnelly



# Notable Dates

## MARCH

### March 15, 22, 29, April 5, 12, 19

STEAM Sprouts – Fairy Tale STEM  
11:15 a.m. to 12:15 p.m.  
Ages 4-5  
Mondays for six weeks.  
Pre-registration required. For more information, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **SM Energy**

### March 16

Building Bots: Robotics & Engineering FunLab  
5:30 to 7:30 p.m.  
Grades 3-6  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **Occidental**

### March 18

Brown Bag Lunch & Lecture Series  
Speaker: **Morris Burns**, radio contributor/former president of PBPA; "The Changing Political Landscape & The Impact on the Oil Industry"  
11:30 a.m. to 12:30 p.m.  
Free admission. Drinks & dessert provided.  
Sponsors: **Norma J. McGrew & Hahl Proctor Charitable Trust, Bank of America, N.A. Trustee**

## APRIL

### April 6

Building Bots: Robotics & Engineering FunLab  
5:30 to 7:30 p.m.  
Grades K-2nd  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **Occidental**

### April 15

Brown Bag Lunch & Lecture Series  
Speaker: **Hailey McCarthy**, Principal, IDEA Travis "IDEA Public Schools"  
11:30 a.m. to 12:30 p.m.  
Free admission. Drinks & dessert provided.  
Sponsors: **Norma J. McGrew & Hahl Proctor Charitable Trust, Bank of America, N.A. Trustee**

### April 15

Family Science Night 2GO  
"STEM-gineering"  
FREE Family Science Experiment & Activity Boxes: materials and information needed for experiments are included.  
Pre-registration and pickup signups required. Go to [www.pbpetro.org](http://www.pbpetro.org) for information.  
Sponsor: **Chevron**

### April 20

Building Bots: Robotics & Engineering FunLab  
5:30 to 7:30 p.m.  
Grades 3-6  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **Occidental**

### April 29

Petroleum Hall of Fame  
Induction Ceremony and Dinner  
Ticketed event; Sponsorship & Underwriting Opportunities  
Contact Luanne Thornton at 432-683-4403 or [lthornton@petroleummuseum.org](mailto:lthornton@petroleummuseum.org)

## MAY

### May 4

Building Bots: Robotics & Engineering FunLab  
5:30 to 7:30 p.m.  
Grades K-2nd  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **Occidental**

### May 13

Brown Bag Lunch & Lecture Series  
Speaker: **Scott Dufford**, Businessman/City Councilman  
"Small Business in Midland"  
11:30 a.m. to 12:30 p.m.  
Free admission. Drinks & dessert provided.  
Sponsors: **Norma J. McGrew & Hahl Proctor Charitable Trust, Bank of America, N.A. Trustee**

### May 18

Building Bots: Robotics & Engineering FunLab  
5:30 to 7:30 p.m.  
Grades 3-6  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).  
Sponsor: **Occidental**

### May 26-27

STEAM Sprouts Mini Camp: "Learn to Code"  
9:30 to 11 a.m. OR 12:30 to 2 p.m.  
Ages 4-5  
Museum members \$40; Non-members \$50  
Pre-registration required. Go to [www.pbpetro.org](http://www.pbpetro.org) or contact the Education Department.  
Sponsor: **SM Energy**

## JUNE

### June 2-3

STEAM Sprouts Mini Camp: "Goes Camping"  
9:30 to 11 a.m. OR 12:30 to 2 p.m.  
Ages 4-5  
Museum members \$40; Non-members \$50  
Pre-registration required. Go to [www.pbpetro.org](http://www.pbpetro.org) or contact the Education Department.  
Sponsor: **SM Energy**

### June 9-11

Summer Science Camp: "Full STEAM Ahead!"  
9 a.m. to 12 noon; ages 6-8  
Museum members \$60; Non-members \$75  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).

### June 14

Movie Maker Monday: "The Croods: A New Age"  
1:00 to 5 p.m.  
Museum members \$10; Non-members \$15  
Ages 6-12. Pre-registration required.  
Go to [www.pbpetro.org](http://www.pbpetro.org).

### June 16-18

Summer Science Class  
"To Infinity & Beyond!"  
9 a.m. to 12 noon  
Ages 6-8  
Museum members \$60; Non-members \$75  
Pre-registration required. For more information or to register online, visit [www.pbpetro.org](http://www.pbpetro.org).

*For more information about any of these programs or events, contact the Petroleum Museum at 432-683-4403 or [www.pbpetro.org](http://www.pbpetro.org).*

# PETROLEUM MUSEUM

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KEITH DOUCET  
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LANA CUNNINGHAM  
Public Relations Consultant

**Museum Bit & Bytes is published quarterly by the Petroleum Museum. For more information call 432-683-4403 or visit the website at [pbpetro.org](http://pbpetro.org).**

3/21

## The Museum Store



**Spring into fun with dino-mite toys!** Shop the Petroleum Museum Store for unique toys and gifts to keep your little ones engaged and excited all spring. Plus, know that your purchase supports the Museum when we need it most! Museum Members always receive **15 percent off** purchases. We are open from 10 a.m. to 5 p.m. Monday through Saturday and 2 to 5 p.m. on Sunday. Or, shop online at **[pbpetro.org/shop](http://pbpetro.org/shop) anytime.**

**Our Mission: We will share the petroleum and energy story and its impact on our lives.**