PETROLEUM Bits Bytes

VOL. LII No. 1

First Quarter 2022

Dr. Steven Koonin will Explain Climate: What the Science Says & Why It Matters

The Petroleum Museum, with the support of the **Abell-Hanger Foundation**, will welcome author and physicist **Dr**. **Steven E. Koonin** to West Texas. Dr. Koonin will discuss his latest bestselling book, *Unsettled: What Climate Science Tells Us, What It Doesn't, and Why It Matters* at the **2022 Arlen Edgar Distinguished Lecture Series** at 7 p.m. on Thursday, May 5.

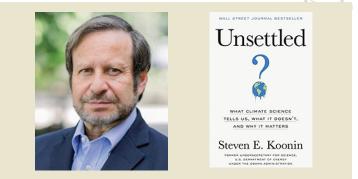
Through a series of articles and lectures that began in 2014, Dr. Koonin has advocated for a more accurate, complete, and transparent public representation of climate and energy matters. His bestselling book *Unsettled: What Climate Science Tells Us, What It Doesn't, and Why It Matters* was published on May 4, 2021.

Dr. Koonin is a professor at New York University, with appointments in the Stern School of Business, the Tandon School of Engineering, and the Department of Physics. He founded NYU's Center for Urban Science and Progress, which focuses research and education on the acquisition, integration, and analysis of data for big cities.

Dr. Koonin served as Under Secretary for Science in the US Department of Energy under President Obama from 2009 to 2011, where his portfolio included the climate research program and energy technology strategy. He was the lead author of the US Department of Energy's Strategic Plan (2011) and the inaugural Department of Energy Quadrennial Technology Review (2011). Before joining the government, Dr. Koonin spent five years as Chief Scientist for BP, researching renewable energy options to move the company "beyond petroleum."

For almost 30 years, Dr. Koonin was a professor of theoretical physics at Caltech. He also served nine years as Caltech's Vice President and Provost, facilitating the research of more than 300 scientists and engineers and catalyzing the development of the world's largest optical telescope, as well as research initiatives in computational science, bioengineering, and the biological sciences.

In addition to the National Academy of Sciences, Dr. Koonin's memberships include the American Academy of Arts



and Sciences and JASON, the group of scientists who solve technical problems for the US government; he served as JASON's chair for six years. He chaired the National Academies' Divisional Committee for Engineering and Physical Sciences from 2014 to 2019, and since 2014 has been a trustee of the Institute for Defense Analyses. He is currently an independent governor of the Lawrence Livermore National Laboratory and has served in similar roles for the Los Alamos, Sandia, Brookhaven, and Argonne National Laboratories. He was a member of Governor Cuomo's Blue-Ribbon Commission to Reimagine New York in the post-COVID-19 era.

Dr. Koonin has a BS in Physics from Caltech and a PhD in Theoretical Physics from MIT. He is an award-winning classroom teacher and his public lectures are noted for their clarity in conveying complex subjects. He is the author of the classic 1985 textbook *Computational Physics*, which introduced methodology for building computer models of complex physical systems. He has published some 200 peer-reviewed papers in the fields of physics and astrophysics, scientific computation, energy technology and policy, and climate science, and has been the lead author on multiple book-length reports, including two National Academies studies.

Join us to learn more about the science of climate change. Tickets are free, but please register online at **www.pbpetro.org** or call the Museum at 432-683-4403.

To reserve tickets for the Dr. Steven Koonin lecture, go online to pbpetro.org or call the Museum at 432-683-4403.



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

Volunteers Two Support Education Focus

Ensuring the public learns the true story of the oil and gas industry is the catalyst that pushed **Ben Friedman** and **Kyle Milling** to say "yes" to serving on the Museum's board.

"I am a big proponent of all the good the oil and gas industry does for us as a nation in making our lives so much better," said Friedman, CFO at RK Supply. He married a Midlander and moved to the city in 2013.

As an educator at UTPB and Midland College and while assisting his two children in their studies, Friedman saw the need for teaching people about the petroleum industry. "This is a great way to combine my passions of oil and gas and education," Friedman said of his board service.

Milling, vice president of finance for Wildcat Oil Tools in Midland, pointed out the "news cycle today would have one believe that our industry is destroying the planet and making life worse for those who inhabit it. This narrative couldn't be further from the truth. Our industry has led to humans flourishing in ways that were never possible before."

The Museum is "doing a wonderful job of explaining the importance of the industry to adults and children alike. They do it in a way that is easy to understand." Serving on the board "is a privilege and one for which I am very grateful."

Continuing to educate the youth about the industry and its importance is a focus for the Museum. "These young people will be our biggest advocates or detractors when they grow up, and helping them understand the importance of our industry is critical for its continued success," Milling said.

Thank you, Ben and Kyle, for giving your time to serve the Museum!



Ben Friedman



Kyle Milling



Our STEAM Education Center is taking shape. Steel is going up – and construction will move quickly from here. Thanks to Lee Lewis Construction, we are right on schedule. We look forward to an opening this fall.

Membership Has Its Perks!

Membership has its privileges! Your member dollars support a wide variety of educational programs as well as the Museum's most pressing needs.

All Members Receive:

• Free Museum admission for you and your guest (Family or Corporate employee/constituent must be present for free admission)

- Discount in the Museum Store
- Discount on facility rentals
- Discounts on select education programs
- MEMBERS ONLY early access to Family Science Nights and select Special Events (Family or Corporate employee/constituent must be present for early admission) Join today at www.pbpetro.org/memberships!

Time to Prepare Hall of Fame Nominations

The Petroleum Hall of Fame is dedicated to those who cherished the freedom to dare and whose work and service helped build the Permian Basin.

The Petroleum Hall of Fame was instituted in October 1968 by the authority of the charter of the Permian Basin Petroleum Museum "to honor those persons who have made outstanding contributions to the development of the petroleum industry or have served as worthy examples to those in the petroleum industry, and thereby to record such examples of service, strength of character and achievement for the inspiration and education of present and future generations."

Each odd-numbered year a maximum of four people or teams are inducted into the Petroleum Hall of Fame. The inductees for 2023 will be elected by the Museum's governing board, after an extensive study of their qualifications by the Hall of Fame Committee.

Submission of names of persons, living or deceased, for election to the Petroleum Hall of Fame may be made by any interested party. If you know a person that you believe qualifies as a candidate for the Petroleum Hall of Fame, go to **www.pbpetro.org/hall-of-fame** to download the nominee criteria and get more information. Completed nominations may be hand-delivered or mailed to the Museum. All nominations should be received no later than **August 24**, **2022** to be considered for the 2023 Petroleum Hall of Fame.

Roseland: Check Us Out at the Show

Visit us on March 23-24 at the Midland County Horseshoe Pavilion as we are on the trade show floor at the Eighth Annual Roseland West Texas Oil and Gas Convention. Come learn about new trends, products, and resources for the industry. Don't forget the Taste of the Oil Patch Cookoff, which draws a crowd.

Special thanks to Roseland Oil & Gas for allowing us to attend the convention. Register today to attend and find out more at **www.roselandoilandgas.com.**

Estate Donates Lovell Drawing

The collections at the Petroleum Museum certainly make the Museum a very unique place. One of the collections of which we are particularly proud is the **Tom Lovell** collection. The Museum's 14 paintings featured in the Abell Gallery depict the cultural history of the Permian Basin. They were designed with input from **George Abell**, in itself, an interesting story. The addition of some of Lovell's working drawings helps visitors understand the artist's concepts and thought process in the design and layout of each painting.

With such an extensive collection of Lovell artwork, it was very exciting to receive a gift from the **Edwin H. Magruder, Jr., Estate** of a working drawing of his painting, *"No Room at the Inn"*. Many thanks to Magruder's daughters, Elaine and Fran, for their very generous gift to the Petroleum Museum.

Mineral Gallery Feldspar Added to Collection

This stunning **feldspar with mica** was donated to the Museum by **Dr. Rob Lavinsky.** Feldspar is the name of the group of minerals distinguished by the presence of alumina and silica in their chemistry. It is the most abundant mineral on Earth, crystalizing from magma in both igneous and metamorphic rocks. Feldspars account for about 60 percent of Earth's exposed rocks as well as soils, clays and other unconsolidated elements.

Mica belongs to a group of minerals whose main characteristic is the ability to be easily split into very thin elastic plates. It is also common in igneous and metamorphic rock and sometimes found in small flakes in sedimentary rock, especially granite and schist.

This combination feldspar and mica came from Dassu, Gilgit in Pakistan. Come see this incredible specimen, as well as many others in the Museum's Mineral Gallery at the Petroleum Museum.









Feldspar with Mica from Pakistan

Education

Family Science Night 'Splash Into Science' Thursday, April 21 6:30 to 8 p.m.

SPLASH into Science with us on Thursday, April 21, from 6:30 to 8 p.m. Join us on Family Science Night as we explore the wonders of water through creating tensile bubbles, witnessing walking water, experimenting

with density, and much more! Museum Members enjoy the added bonus of early admission from 6 to 6:30 p.m. Special thanks to Chevron for making this FREE, fun night possible!



September 22, 2022

Follow the Science... to the Museum as we celebrate our 47th Birthday with scientific fun, gastronomic delights and spirited libations!

Plug Into Programs



Calling all educators! Are you wanting to visit the Museum or bring our programs to your classroom, but distance is an issue? Look no further! The Petroleum Museum now offers virtual

tours and outreach programs through Connect2Texas! Visit connect2texas.net to explore programming for your class today! Special thanks to XTO Energy for sponsoring the creation of our virtual tour!



APPLAUSE, APPLAUSE

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

> ASCO Equipment, Inc. Bridges Equipment Ltd. FabLab Permian Basin at Odessa College Greg Hinterlong (AKA Dr. Petro) Peeps & Creeps Sibley Nature Center



Thanks for Support!

We extend a special thank you to Ovintiv for their contin-



ued support of our STEM Gems program at Goddard Junior High School. STEM Gems is an afterschool program designed to encourage seventh and eighth grade girls to get excited about science. STEM Gems offers programming that enhances school curriculum while also creating real world connections.

Climate Information Creates Confusion ASK Dr. Petro



Question: So, Dr. Petro, what is up with all the conflicting information on climate change these days? Signed, Confused

Dear Confused,

It is a confusing world out there when it comes to climate change. People have been predicting catastrophic climate change for many, many years...but we are still here and living in our best

and safest world yet!

We can thank the amazing strides that environmental technology has made for our world in cleaning up our air and water. Decades ago it became apparent that our air and water was indeed getting less and less safe. Pollution from factories and power plants rose while trying to meet the needs of a growing population and growing economies. Beginning in the 1960's, the United States

began to develop pollution control technology and pass laws setting air and water quality standards. The result was that air pollution in the United States has been reduced by 78 percent and we have still been able to grow our economy while dramatically reducing air pollution

In regard to human caused change, the strongest evidence yet is that in 2020, with shutdowns of entire economies from Covid, scientists have not found a substantial decline in atmospheric CO2 levels. This suggests that activists' calls for global energy reductions would have little to no effect on CO2 levels in our atmosphere.

So, Confused, have confidence that the world we live in today has lower poverty, outstanding health and life expectancy, widespread education and real-life flourishing!

Sources: Life: Powered and The Heartland Institute

The Petroleum Museum

COAL

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EMERGING

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Transformers describes the Petroelum Museum staff as they worked through shutdown and then a slow reopening through 2021. The Museum staff took what they knew and formulated new paths to travel forward. The Petroleum Hall of Fame dinner in late April signaled the first celebrations in person while the fall brought the beginning of construction on the new STEAM Education Center. The Museum enacted new ways to continue its increasingly important mission: *To share the petroleum and energy story and its impact on our lives.*

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

PETRÖLEUM **MUSEUM**

the Museum through their membership contributions, program sponsorships, and generous donations. This generosity enables the Museum to

thousands of visitors annually. We gratefully acknowledge the many individuals and organizations that continue to support

continue to share the petroleum and energy story and its impact on our lives.

Transforming the Future: STEAM Education Center

Shovels turned the dirt over in the first step toward seeing completion of a dream: a new STEAM **Education Center where** students of all ages can learn about math, science and art and the importance of petroleum in their lives. Opening is planned for Fall 2022.



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Transform: Through Outreach

The Petroleum Museum offered distance learning outreach programs to schools through **Connect2 Texas**, a network of Texas-based educational content providers which include museums, authors, and cultural, historical, and scientific organizations. The Petroleum Museum was able to bring interactive programs into classrooms across the nation! Topics included live animals, geology, and dinosaurs. Each 30-45 minute program was packed with interactive engagement and learning. The Museum's programs are de-

signed for students in PreK through sixth grade. Schools from Texas, Montana, New York, California,



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and Virginia all experienced the Petroleum Museum.

Petroleum Honorees Transformed Industry

On April 29 we honored the 2021 Petroleum Hall of Fame inductees: **Frank M. Late, Paul L. Morris,** and **Fred M. Newman.** The induction ceremony and dinner were held at the Bush Convention Center in Midland, Texas.

It was 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 and beliefs that will serve to inspire future generations.

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. Thank you to all the individuals and companies who helped us celebrate these remarkable men and supported the Museum!



Honored at the Petroleum Hall of Fame are, from left, Fred M. Newman; Jan and Richard McMillan, daughter and sonin-law of the late Frank M. Late; and Paul L. Morris.

Petroleum Hall of Fame Contributors

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Adding

Virtual

Tours

The Museum added a "Virtual Tour" to our website in 2021. This latest addition to our website provides an interactive tour of the Museum available to students and guests around the globe. The tour will



ractive tour of the Museum available to students and guests around the globe. The tour will also be available through **Connect2Texas** with opportunities for enhanced educational opportunities as well as other education programs. A special thank you to **XTO Energy**, a subsidiary of **ExxonMobil**, for providing funds to create our virtual tour.

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2Go Boxes Continued Family Science Nights

The Museum completed its 25th year of successful Family Science Nights. Encouraging families to explore the sciences together has been the hallmark of Family Science Nights. Due to the pandemic, Museum staff created **Family Science Night 2Go** boxes. Families constructed projects with *STEMgineering*, learned about the human body with *Science Does a Body Good*, and had a frightfully



good time with *Spookology*. Boxes were equipped with all the materials and information needed to conduct 10-12 science activities. Families could also join Dr. Petro and staff on the Museum's Facebook Live page for demonstrations of experiments and activities. Thank you to our long-time sponsor **Chevron** who makes this event such a success.



Programming/Exhibits

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Astronaut Shares Space Experience

The Museum was honored to continue our **Distinguished Lecture** series honoring **Arlen Edgar**. Astronaut **Colonel Terry Virts** shared stories about his experience in space and some of the 300,000 amazing photographs, depicted in his book *View From Above*, taken from the International Space Station. Thank you to the **Abell-Hanger Foundation** who generously supports this interesting and educational lecture series.



Lunch & Lecture Filling Minds with Knowledge



Adults attending the Museum's monthly lunch and lecture series expanded their knowledge on a variety of topics. Speakers included **John Scharbauer**, native Midlander, who shared the history of his ranching family and the plan he has for growing the Scharbauer ranch as well as creating the Midland Meat Market. **Bo Farris**, with Fasken Oil and Ranch, enlightened the audience with how his company is recycling frac water. **Mayor Patrick Payton** discussed how he represents Midland on the national stage and Midland's impact on national oil and gas production. The **Permian Basin String Quartet** entertained guests with Christmas and holiday music that lifted spirits and tapped into the joy of the season. The monthly series provides guests with a wealth of information and entertainment thanks to the underwriting provided by **Norma J. McGrew** and **Hahl Proctor Charitable Trust, Bank of America, N.A.**

Science Camps, Movies Highlight Summer Months



Summer 2020 was scientifically spectacular! Students throughout the Permian Basin enjoyed Summer Science Camps and Movie Maker Mondays at the Museum. During Movie Maker Mondays, children participated in interactive experiments, collaborative engineering challenges, creative activities and games centered around popular animated movies. Students moved forward with learning in *Full STEAM Ahead*, were soaked with *Splash Into Science*, soared to new heights with *To Infinity and Beyond*, got dimensional with *3D Adventures* and designed with LEGO Mini Masters Dream Park. During *Movie Maker Mondays*, children participated in interactive experiments, collaborative

engineering challenges, creative activities, and games centered around popular animated movies.

Classes Spark Learning for Sprouts

Programming for our youngest future scientists was offered in the spring, summer and fall. Each class offered fun experiments and creative activities 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 Fairy Tales, STEAM Park, Go Camping and Learn 2 Code. In each session "Sprouts" engaged in engineering challenges and activities centered around each topic.







Robotics & Engineering FunLabs Excite, Broaden Young Minds

Throughout the year, Building Bots Robotics & Engineering Funlabs enabled children in grades K-6 to engage in engineering challenges, team building, and creative robotic design. With different themes for each session, the children looked forward to each class. Sessions featured LEGO WeDo 2.0 sets, LEGO Mindstorm EV3 sets, Ozobots, Osmos, Spheros, and KUBO robotics equipment. This STEAM (Sci-



ence Technology Engineering Art Math) educational programming is a great way to get kids excited about learning and broaden their critical thinking skills. Young minds were enlightened thanks to the generous support of Oxy.

STEM Gems Inspiring Girls

Our STEM Gems program inspired junior high girls to develop skills in critical thinking, creativity, collaboration, communication, leadership,



initiative, productivity, and socially. 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 their classroom learning. 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. **Ovintiv**[•] Thank you to **Ovintiv** for sponsoring STEM Gems.

Trunks Take Classes on the Road

The perfect solution to reaching area students and assisting teachers was the Museum's Traveling Trunks. Throughout the year, eight trunks were checked out by teachers from schools in Ector County ISD and Midland ISD. With over 35 trunks to choose from, our trunks provide "ready to go" STEAM activities with unique hands-on, cross-curricular teaching tools that allow 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.**



2021 Contributions

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Museum Promotes City Tourism

Tourism advertising is a vital part of attracting tourists to visit Midland and the Petroleum Museum. We use a multi-platform approach to reach a wide target market of prospective tourism visitors. These platforms include a regularly updated website, active social media accounts with paid advertising, 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 40,000 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.

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Endowment Growing

By the end of 2021 the Museum's Permanent Endowment fund grew to \$8.4 million. The Endowment provides the Museum with 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.

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Collaborating Organizations

CO₂ Conference FabLab Permian Basin Midland College -Petroleum Professional **Development Center** Midland Gem & **Mineral Society** Museum of the Southwest Permian Basin Petroleum Association Permian Basin International Oil Show **Roseland Oil & Gas** Sibley Nature Center

Maggie Pryor

Levels of Membership

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

ALL MEMBERS RECEIVE:

- Free Admission for you and your guest (Individual, Corporate, and Organization member/employee must be present for free admission)
- 15% discount in the Museum Store
- 15% discount on facility rentals
- Discounts on select education
 programs
- Early access to Family Science Nights and education program registration

MEMBERSHIP LEVELS

Energy Circle

- Patron and Sustainer levels receive one (1) free daytime rental of Board Room
- Benefactor and Director levels receive one (1) free daytime rental of Auditorium
- Additional 10% discount on other facility rentals
- Exclusive Energy Circle events
- Featured company/organization logo on Museum website Patron, 1,000; Sustainer, \$2,500; Benefactor, \$5,000; Director, \$10,000

Individual

For individuals or families
 Family, \$75; Friend, \$150;
 Associate, \$300, Supporter, \$600;
 plus Energy Circle levels

Corporate and

Organizations

 For companies, corporations organizations and educational institutions

Associate, \$300; Supporter, \$600; plus Energy Circle levels



Jim Hall's Chaparral 2, 2E, 2F and 2K were displayed at the American Speed Festival in Pontiac, Michigan in 2021. More than 100 race vehicles were part of this inaugural festival.

Chaparral Maintenance Fund

Lane Baker Vance Bass Douglas Betty James J. Bjaloncik Glenn R. Brown Peter Butler David Castelhano Jim C. Choate Anita & Billy Cooper John Corrigan Richard Cross Lisa Daniels Holt Davis Steve Deiters Aleida Geitz Nick Green Bruce Gross Les Gulledge James Hennessy Terry Hight Barry W. Holden John Lewallen Teddy Mahan Douglas Mains Jon Martens Jerry McGreer Dan McNamara Bruce Merchant Mark Pethke Ruth & Bob Price Michael Radtke Mr. & Mrs. William R. Robinson Michael Roetheli Will Shepherd Dan Sherrod Jerry Tarble Dave Thompson Chris Van Decar Kevin Woeller



Museum Exhibits & Oil Patch

Many thanks go out these businesses and individuals that helped bring the Museum's Oil Patch exhibits 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:

4D Excavating, Inc. Asco Equipment Inc. Cook's Engine Services, Inc. Joe & Todd Cook Ben Davis Daylight Petroleum Daniel Gerwien H&P Drilling Co. Colin McCulley Eric Roberson Walsh & Watts, Inc. Warren CAT Bill Womble

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@petroleumnuseum.org.**



STEAM SPROUTS MINI CAMP May 25-26 Treehouse Challenge June 1-2 LEGO Maker

Sponsor

6-8 YEAR OLDS SCIENCE CAMP June 8-10 Rockin' Rockets June 15-17 LEGO Robotics June 22-24 Wild about Science



SCIENCE CAMP July 11-14 Making Makers July 25-28 LEGO Mini Masters: Shakin' City

8-12 YEAR OLDS

Sponsor

MOVIE MAKER MONDAY June 6: "Rumble" June 20: "Luca" July 4: "Raya and the Last Dragon" July 18: "Turning Red"



Summer's Coming: Sign Up Now For Classes

The Petroleum Museum is excited to announce its 2022 summer lineup! First up, we will host our **STEAM Sprouts Mini Camps** for students ages 4 and 5. **STEAM Sprouts Treehouse Challenge** will be held May 25-26 and **STEAM Sprouts LEGO Maker** will be held June 1-2. Both Mini Camps will have two identical sessions: one from 9:30 to 11 a.m. and another from 12:30 to 2 p.m. STEAM Sprouts Mini-Camps encourage students ages 4 to 5 to tap into their creative engineering skills to solve real-world problems. Students will engage in hands-on investigations, building, and tinkering throughout each camp. The cost per Mini Camp is \$40 for Museum members and \$50 for non-members. Pre-registration is required. STEAM Sprouts is generously sponsored by **SM Energy.**

For students ages 6 to 8, we will offer three, three-day camps in June. Each camp will be held Monday through Wednesday from 9 a.m. to 12 noon each day. The cost per camp is \$60 for Museum members and \$75 for non-members. Topics will include **Rockin' Rockets, LEGO Robotics,** and **Wild about Science.** For students ages 8 to 12, we will have two, four-day camps in July. Each camp will be held Monday through Thursday from 8 a.m. to 12 noon each day. The cost per camp is \$80 for Museum members and \$100 for non-members. Topics will include **LEGO Mini Masters: Shakin' City** and **Making Makers.**

We will also host our **Movie Maker Mondays** on the first and third Mondays of June and July. Each Movie Maker Monday will feature a movie, hands-on experiments, engineering challenges, and games. Movie Maker Mondays are held from 1:00 to 5 p.m. and are for students ages 6 to 12. Cost is \$10 for Museum members and \$15 for non-members. The movie lineup for our 2022 Movie Maker Mondays includes *Rumble, Luca, Raya and the Last Dragon,* and *Turning Red.* Thank you to **Oxy** for their generous underwriting of our Summer Science Camps and Movie Maker Mondays.

Pre-registration is required for all 2022 Summer Science Programs. Registration will open to Museum Members on Monday, March 14 and to non-members on Thursday, March 17.

Telling Our Story



Executive Director Kathy Shannon, left, and Development Director Luanne Thornton take the story of the Museum on the road to Houston and the NAPE Conference.

Spring Sprouts Openings Available

We still have select availability in our Spring 2022 STEAM Sprouts Fairytale STEAM program for ages 4 to 5 that will begin on March 21. Our STEAM Sprouts Fairytale STEAM program will meet once a week on Mondays for six weeks. Two identical sessions are offered: one from 9:30 to 10:30 a.m. and another from 11:30 a.m. to 12:30 pm. Visit pbpetro.org to register your sprout today!



FLYNN FRIDAYS: Be sure to follow us on social media to catch our resident wallaby, Flynn, on his many adventures at the Museum!



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, store discounts, and special invitations. To become a member, log on to our secure website at **www.pbpetro.org** or contact Luanne Thornton at 432-683-4403.

Welcome to our newest and renewed members from November 16, 2021, to February 15, 2022:

Contributing Family

Janice N. Archer Patricia & Sam Asfour Rhonda & Deeg Becker M. Brad Bennett Mara Bland Grant Bouque Tiffany Bradley Mr. & Mrs. Tom Brahaney Lea & Rick Bramlett Audrey & John Burkholder Abby & Kevin Christensen Lia & Nate Cless Audrey & Michel Curry Tiara, Charlotte & Keith Doucet Mr. & Mrs. Richard Everett Judy & Don Floyd Elizabeth Garza Amy & Brvan Grant Sherrie & Robert Green Channon Gregg **Bethany Gutierrez** Archana Gutta **Katelynn Haley Trevor Hawes** Dara & Matt Jackson Melissa & Chris Jameson W. A. Landreth, Jr. Christy & Clint Lannom Edsel J. Laucho Stacy Livingston Pedro Manzo Wendy & Russ Mathis Patricia McMillan Dr. & Mrs. Brian Miller Jon Moeller John Mundy Marian Mussett Susan & Chris Netopski Leslie & Clayton Ortloff Mr. & Mrs. Don L. Parks Katherine & Sean Prementine Elizabeth & Shaun Rainey Letty & Armin Rubio Suzanne & John Saenz Yvonne & Chad Sartin Lucy Sisniega Mr. & Mrs. Jeff Smith Jen Tomblin

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Sustainer

Deborah & Earl Baldridge Jeannie & Tom Johnson Kathy Shannon SM Energy

Benefactor

Mr. & Mrs. Barry A. Beal Pioneer Natural Resources

Director Chevron

Party on Patio Coming in June

Chaparral Pit Crew Members: **Party on the Patio** is back for 2022! We look forward to announcing an early June date to host a live drive, dinner and conversation with **Jim Hall.**

If you are not yet a Pit Crew Member, sign up now for this very special event coming this summer. Contact Luanne Thornton at **lthornton@petroleum.org** for more information. 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 November 16, 2021, to February 15, 2022, were:

> IN MEMORY OF... Norman K. Barker Dottie J. Barker

Memorials

Raiford & Ruth Burton Bettie G. Burton Biatris Diaz Letty & Armin Rubio Luanne & Randy Thornton Lisa Worden Arlen Edgar G.W. Brock Michelle Brock Richard Donnelly Mr. & Mrs. Mark Edgar Jon Massey Billy Jeffers Ruth Ann Calvert-Jeffers Joe B. McShane Marie McShane Myra Robinson Bob & Pam Leibrock Matt Worden Jane Wolf *IN HONOR OF...* Scott Sheffield Richard Donnelly Luanne Thornton Valerie & Paul Acosta Donna & Jim Byerlotzer Keith Luce Kathy Shannon Michelle & Travor Stribling

Notable Dates

May

May

May

May

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JUUI

Sponsor: Oxy

MARCH

Brown Bag Lunch & Lecture Series Speaker: Bobby Burns "Midland Fuels America" 11:30 a.m. to 12:30 p.m. Free admission. Drinks & dessert provided. Sponsor: Norma J. McGrew & Hahl Proctor Charitable Trust, Bank of America, N.A., Trustee March 15 Building Bots: Robotics & Engineering FunLab 5:30 to 7:30 p.m. Grades 3rd-6th Pre-registration required. For more information or to register online, visit www.pbpetro.org. Sponsor: Oxy March 21 & 28 STEAM Sprouts - Fairytale STEAM 9:30 to 10:30 a.m. OR 11:30 a.m. to 12:30 p.m. Ages 4-5 Mondays for six weeks. Pre-registration required. For more information or to register online, visit www.pbpetro.org. Sponsor: SM Energy **APRIL** April 4, 11, 18 & 25

STEAM Sprouts – Fairytale STEAM 9:30 to 10:30 a.m. OR 11:30 a.m. to 12:30 p.m. Ages 4-5 Mondays for six weeks. Pre-registration required. For more information or to register online, visit **www.pbpetro.org.** Sponsor: **SM Energy**

April 5

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 **uww.pbpetro.org.** Sponsor: **Oxy**

April 12

Brown Bag Lunch & Lecture Series Speaker: Jeff Smith "Tales from the Paleo Scene" 11:30 a.m. to 12:30 p.m. Free admission. Drinks & dessert provided. Sponsor: **Norma J. McGrew & Hahl Proctor Charitable Trust, Bank of America, N.A., Trustee**

April 19

Building Bots: Robotics & Engineering FunLab 5:30 to 7:30 p.m. Grades 3rd-6th Pre-registration required. For more information or to register online, visit **www.pbpetro.org.** Sponsor: **Oxy**

April 21

Family Science Night: "Splash Into Science" 6:30 to 8 p.m. 6 p.m. Early Admission for MEMBERS ONLY Free Admission Sponsor: **Chevron**

MAY

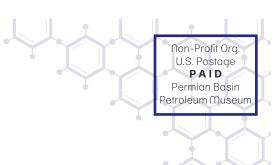
3	
Ŭ	Building Bots: Robotics & Engineering FunLab
	5:30 to 7:30 p.m.
	Grades K-2nd
	Pre-registration required. For more information or to register
	online, visit www.pbpetro.org.
	Sponsor: Oxy
/ 5	
Ŭ	Arlen Edgar Distinguished Lecture Series
	Speaker: Dr. Steven E. Koonin
	"Unsettled: Climate Science"
	7 p.m. Free event with limited seating.
	Reservations recommended. Call 432-683-4403.
	Sponsor: Abell-Hanger Foundation
10	
	Brown Bag Lunch & Lecture Series
	Speaker: Ánita Gamertsfelder,
	MISD Education Foundation Director
	"Great Schools are Everyone's Business"
	11:30 a.m. to 12:30 p.m.
	Free admission. Drinks & dessert provided.
	Sponsor: Norma J. McGrew & Hahl Proctor Charitable
	Trust, Bank of America, N.A., Trustee
17 ו	
	Building Bots: Robotics & Engineering FunLab
	5:30 to 7:30 p.m.
	Grades 3rd-6th
	Pre-registration required. For more information or to register
	online, visit www.pbpetro.org.
Sponsor: Oxy 25-26	
25-	STEAM Sprouts Mini-Camp: Treehouse Challen ge
	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. For more information or to register
	online, visit www.pbpetro.org.
	Sponsor: SM Energy
JUNE	
E 1-2	
	STEAM Sprouts Mini-Camp: "LEGO Maker"
	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. For more information or to register
	online, visit www.pbpetro.org.
	Sponsor: SM Energy
E 6	
	Movie Maker Monday
	"Rumble"
	1 to 5 p.m.; Ages 6-12
	Museum members, \$10; Non-members, \$15
	Pre-registration required. For more information or to register
	online, visit www.pbpetro.org.
E 8-1	Sponsor: Oxy
- 0-1	Summer Science Camp: "Rockin' Rockets"
	9 a.m. to 12 noon; ages 6-8
	Museum members, \$60; Non-members, \$75 Pre-registration required. For more information or to register

For more information about any of these programs or events, contact the Petroleum Museum at 432-683-4403 or www.pbpetro.org.



Permian Basin Petroleum Museum, Library and Hall of Fame 1500 Interstate 20 West • Midland, Texas 79701

Address Service Requested



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The Museum Store



Museum Bit & Bytes is published quarterly by the Petroleum Museum. For more information call 432-683-4403 or visit the website at pbpetro.org. 1/22 Show your oilfield pride with apparel, jewelry, and gifts that represent the industry from the Petroleum Museum Store. Plus, know that your purchase supports the Museum! 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** anytime.

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