Society of Independent Professional Earth Scientists

PROGRAM BOOK

SIPES 53rd Annual Meeting & 2016 Convention

Back to Basics & Beyond

August 1-4, 2016 ♦ San Diego, California

Meeting Co-Sponsored by the SIPES Oklahoma City Chapter & SIPES National Organization
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<th>Monday August 1</th>
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<tr>
<td>8:00-9:45 AM</td>
<td>8:00 A.M.-4:30 P.M. Registration</td>
<td>8:00 A.M.-12:00 P.M. Registration</td>
<td>9:00 A.M.-5:00 P.M. Post-Convention Field Trip from Northern San Diego County to Southern Orange County led by Don Clarke</td>
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<tr>
<td>SIPES Foundation BOD Meeting &amp; Continental Breakfast</td>
<td>8:00-11:45 A.M. Technical Sessions</td>
<td>8:00 A.M.-12:00 P.M. Technical Sessions</td>
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<tr>
<td>8:30 A.M.-5:00 P.M. Registration</td>
<td>9:00 A.M.-12:00 P.M. North Country Elfin Forest Hiking Tour</td>
<td>9:00 A.M.-4:30 P.M. Hospitality Suite Open</td>
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<tr>
<td>10:00 A.M.-2:00 P.M. SIPES BOD Meeting</td>
<td>9:00 A.M.-4:30 P.M. Hospitality Suite Open</td>
<td>9:30 A.M.-12:30 P.M. San Diego Harbor Cruise</td>
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<tr>
<td>10:00 A.M.-12:00 P.M. Chapter Chairmen’s Meeting</td>
<td>9:30 A.M.-2:30 P.M. Hands-On Cooking Class &amp; Lunch</td>
<td>9:30-11:30 A.M. Coronado Island Tour</td>
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<tr>
<td>10:00 A.M.-12:00 P.M. SIPES Presidents’ Council Meeting</td>
<td>10:00 A.M.-12:00 P.M. San Diego City Tour</td>
<td>12:30-5:30 P.M. Sport Fishing Charter Excursion</td>
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<tr>
<td>12:00-1:00 P.M. Lunch for Board of Directors, Chapter Chairmen, &amp; Past Presidents</td>
<td>11:45 A.M.-1:15 P.M. All-Convention Luncheon &amp; Annual Business Meeting</td>
<td>1:30-5:00 P.M. La Jolla Coast Bike Tour</td>
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<tr>
<td>1:30-5:00 P.M. Hospitality Suite Open</td>
<td>1:30-4:30 P.M. USS Midway Museum Tour</td>
<td>1:30-5:00 P.M. Torrey Pines State Reserve Hike</td>
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<tr>
<td>2:30-5:00 P.M. SIPES Foundation Seminar</td>
<td>1:30-5:15 P.M. Technical Sessions</td>
<td>1:30-5:30 P.M. San Diego Vineyard Adventure</td>
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<tr>
<td>6:00-7:30 P.M. Icebreaker</td>
<td>2:00-4:30 P.M. Mission Bay Kayak Tour</td>
<td>6:30-9:30 P.M. Cornerstone Group Reception (by invitation only)</td>
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<td></td>
<td>4:15-5:15 P.M. Ethics Course</td>
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<td></td>
<td>6:30-9:00 P.M. SIPES Awards Banquet</td>
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4925 Greenville Avenue, Suite 1106, Dallas, Texas  75206
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---

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INDEPENDENT EXPLORATION GEOLOGIST  
AAPG Certified Petroleum Geologist #5371  
SIPES #2141

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cellular (316)-772-8778
fax (316)-755-3543
### Convention Schedule

**Monday, August 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00 - 9:45 a.m.</td>
<td>The Skybox 19th Floor</td>
<td>SIPES Foundation BOD Meeting &amp; Continental Breakfast</td>
</tr>
<tr>
<td>8:30 a.m. - 5:00 p.m.</td>
<td>Grand Ballroom Foyer</td>
<td>Registration</td>
</tr>
<tr>
<td>10:00 a.m. - 12:00 p.m.</td>
<td>Boardroom 1 - 6th Floor</td>
<td>SIPES BOD Meeting</td>
</tr>
<tr>
<td>10:00 a.m. - 12:00 p.m.</td>
<td>Boardroom 2 - 6th Floor</td>
<td>Chapter Chairmen’s Meeting</td>
</tr>
<tr>
<td>12:00 - 1:00 p.m.</td>
<td>Palm Terrace 6th Floor</td>
<td>Lunch for Board of Directors, Chapter Chairmen &amp; Past Presidents</td>
</tr>
<tr>
<td>1:30 - 5:00 p.m.</td>
<td>Gaslamp 2</td>
<td>Hospitality Suite Open</td>
</tr>
<tr>
<td>2:30 - 5:00 p.m.</td>
<td>Salon E</td>
<td>SIPES Foundation Seminar: The USS Midway by Scott McGaugh &amp; Rudy Shappee</td>
</tr>
<tr>
<td>6:00 - 7:30 p.m.</td>
<td>Palm Terrace - 6th Floor</td>
<td>Icebreaker</td>
</tr>
</tbody>
</table>

**Tuesday, August 2**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m. - 4:30 p.m.</td>
<td>Grand Ballroom Foyer</td>
<td>Registration</td>
</tr>
<tr>
<td>8:00 - 11:45 a.m.</td>
<td>Salon DE</td>
<td>Technical Sessions</td>
</tr>
<tr>
<td>9:00 a.m. - 12:00 p.m.</td>
<td>Gaslamp 2</td>
<td>Elfin Forest Hiking Tour</td>
</tr>
<tr>
<td>9:30 a.m. - 2:30 p.m.</td>
<td>Salon AB</td>
<td>Hands-on Cooking Class/Lunch</td>
</tr>
<tr>
<td>1:30 - 4:30 p.m.</td>
<td>Salon DE</td>
<td>USS Midway Museum Tour</td>
</tr>
<tr>
<td>1:30 - 5:15 p.m.</td>
<td>Salon DE</td>
<td>Technical Sessions</td>
</tr>
<tr>
<td>2:00 - 4:30 p.m.</td>
<td>Salon DE</td>
<td>Mission Bay Kayak Tour</td>
</tr>
<tr>
<td>4:15 - 5:15 p.m.</td>
<td>Salon DE</td>
<td>Ethics Course by Vince Cronin</td>
</tr>
<tr>
<td>6:30 - 9:00 p.m.</td>
<td>Salon AB</td>
<td>SIPES Awards Banquet</td>
</tr>
</tbody>
</table>
The locations below are on the 4th Floor

8:00 a.m. - 12:00 p.m. Grand Ballroom Foyer  Registration
8:00 a.m. - 12:00 p.m. Salon DE  Technical Sessions
9:00 a.m. - 4:30 p.m. Gaslamp 2  Hospitality Suite Open
9:30 a.m. - 12:30 p.m. San Diego Harbor Cruise
9:30 - 11:30 a.m. Coronado Island Tour
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1:30 - 5:00 p.m. La Jolla Coast Bike Tour
1:30 - 5:00 p.m. Torrey Pines State Reserve Hike
1:30 - 5:30 p.m. San Diego Vineyard Adventure
6:30 - 9:30 p.m. Cornerstone Group Reception (by invitation only)

Wednesday, August 3

9:00 a.m. - 5:00 p.m. Post-Convention Field Trip from northern San Diego County to southern Orange County led by Don Clarke

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SIPES 2016 Chapter Chairmen

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Brian S. Calhoun ............................................................. Corpus Christi
Carol M. Shiels .............................................................. Dallas
Constance N. Knight ...................................................... Denver
Dan Earl Duggan ............................................................ Fort Worth
James P. Mertz ............................................................... Houston
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Fred H. Behnken ............................................................. Midland
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**The USS Midway's 47-Year Odyssey & Beyond**
by Scott McGaugh

Experience the unique legacy of America’s longest-serving aircraft carrier of the 20th century, and the only U.S. Navy ship to serve the length of the Cold War and beyond. A naval aviation and humanitarian mission pioneer, the USS Midway served from the aftermath of World War II through Operation Desert Storm. Today, the USS Midway Museum is the ninth most popular museum of any type in the U.S., and 22nd most popular museum of any type in the world.

Scott McGaugh is the founding (2004) marketing director of the USS Midway Museum, and was among the San Diego civic leaders who volunteered for ten years to bring Midway to San Diego in 2003. He has the unique perspective of a San Diego native who has been involved with the Midway vision for more than twenty years. Also an author, his most recent book, Surgeon in Blue, was a New York Times bestseller last year, and his next book, Honor Before Glory, about a Japanese-American rescue mission in World War II, will debut this fall.

**San Diego: The Birthplace of Naval Aviation**
by Rudy Shappee

What do Lieutenant Theodore Ellyson, the U.S. Navy’s first aviator, Chikuhei Nakajima, founder of Japan’s Nakajima Aircraft Company, and Lieutenant Commander Earl W. Spencer all have in common? They all served at aviation facilities on North Island, San Diego, California between 1911 and 1936. Rudy Shappee will present a lively narrative of San Diego’s place in naval aviation history from its birth in 1911 until its maturity as the largest military base in the United States during World War II.

Rudy Shappee is a former Navy Chief Warrant Officer who, after retiring from active service in 1976, taught in various San Diego city schools, served as a vice principal, and lectured at San Diego State University over the next twenty-four years. Trained as a social historian, he joined the USS Midway Museum family in 2002, and has served as a volunteer for more than 14,500 hours in the museum’s education, docent, and exhibits departments. Mr. Shappee is the author of numerous articles and books, and currently serves as the museum’s special projects manager.
**Entrance to Meeting Events**

Entrance to all SIPES meeting events and tours will be by convention name badge. Some events may still be available; see the registration desk for more information. Extra fees are required for all tours, the SIPES Foundation Seminar, the Awards Banquet, and the Thursday Post-Convention Field Trip.

**Spouse/Guest registration includes the following items:**

- Monday Evening Icebreaker
- Use of Hospitality Suite
- Ability to register for all optional tours and events
- Access to priority registration for Thursday Post-Convention Field Trip

**Non-registered Spouses and Guests** may purchase a ticket to the icebreaker event on Monday evening, but may NOT register for any convention tours or events. If space is still available, non-registered spouses/guests may register for the Thursday Post-Convention Field Trip.

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**All SIPES Convention Events and Tours are non-transferable and Non-Refundable.**

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**Icebreaker**

Monday, August 1 — 6:00-7:30 p.m.

Meet with friends and colleagues while enjoying outstanding hors d’oeuvres and drinks at the 2016 Convention Icebreaker. Each registrant will receive two complimentary drink tickets. A cash bar will also be available.

*If your spouse or guest is not registered for the convention and wants to attend this event, you will need to purchase an additional ticket.*

---

**All-Convention Luncheon & Annual Business Meeting**

Tuesday, August 2 — 11:45 a.m.-1:15 p.m.

"Economic Trends in Capital Markets and Commodity Prices"

by Steve M. Wyett,
Bank of Oklahoma

Oil prices are impacted by many factors related not only to supply and demand, but non-oil-centric factors like currency levels which are impacted by global central bank monetary policies or international political actions. The impact of major changes in oil prices is, likewise, very broad. Steve will discuss parts of the oil price mosaic and provide the Bank of Oklahoma Financial’s insights on the causes and effects of the recent oil market turmoil.

**Steve Wyett** joined Bank of Oklahoma Financial (BOKF) in September 2005 as a Senior Portfolio Manager in the Tulsa market. In July 2006 Steve was named the Market Leader for the Tulsa market, and in September 2008 he assumed responsibilities as the Investment Management Executive for BOKF. Beginning in February 2015, Steve assumed the role of Private Wealth-Chief Investment Strategist.

He is currently responsible for the communication and implementation of the BOKF investment management process across multiple delivery platforms. Steve interacts with internal business partners as well as external clients and prospects. He is an active participant in the formulation of the investment message as a member of the Wealth Management Asset Allocation Committee as well as holding membership on the Alternative Asset Sub-committee. He is a member of multiple societies of financial analysts, as well as the CFA Institute.

The SIPES All-Convention Luncheon is included in the registration fee for members and non-members only. Spouses or guests who want to attend should purchase an individual ticket for the event.

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**Ethics Course**

Tuesday, August 2 — 4:15-5:15 p.m.

*How Should We Teach Novice Geoscientists about Geoethics?*

by Vince Cronin,
Baylor University,
Geoscience Department

We would all like each new generation of geoscientists to be ethical and productive members of our geoscience community. Judging by the number of geoscience organizations that publish codes of ethics or statements about standards of professional practice, it seems that ethical practice is fundamentally important to our community. Yet ethical failures persist. If we believe that ethical practice is important, why is it that we spend so little time and effort in the process of actually developing novice geoscientists as ethical scientists and professionals,
either while they are in school or during their post-graduate apprenticeships? Geoethics is virtually absent in the curricula of geoscience departments, either as a stand-alone course or as a pervasive topic in undergraduate or graduate coursework.

It seems a more intentional effort is needed, through the cooperative efforts of geoscience educators, professional societies, and mature members of the geoscience community. Written codes of geoscience ethics are a good and necessary first step, but they are not particularly effective as pedagogical tools by themselves. Case studies in geoethics engage students more effectively, allowing them to synthesize the many interwoven strands of information (technical, social, legal, etc.) that are commonly associated with challenging cases. A well designed geoethics case study is not a trivial resource to develop. Educators can help with pedagogy, but experienced professional geoscientists need to supply context and content if we are to develop relevant and effective resources for facilitating the development of novice geoscientists as ethical professionals.

Vince Cronin is a professor in the Geoscience Department at Baylor University, and is the co-chair of the US Section of the International Association for Promoting Geoethics. His professional interests are very broad, including topics in engineering geology, earthquake geology, petroleum geology, structural geology, plate kinematics, and geoscience education. He is a Fellow of the Geological Society of America, and an award winning undergraduate educator. He is the editor of the next edition of the AGI/NAGT Laboratory Manual in Physical Geology, due out January 2017.

There is no fee to attend this course; it is presented to help meeting attendees meet ethics course requirements. Certificates of completion will be available at the registration desk for attendees who registered for and attended the course.

**Hospitality Room**

Monday, August 1 — 1:30-5:00 p.m.
Tuesday, August 2 — 9:00 a.m.-4:30 p.m.
Wednesday, August 3 — 9:00 a.m.-4:30 p.m.

Welcome to San Diego! Here registered attendees will find coffee and bottled water available on the schedule listed above.
Celebrating 30+ years of prospect generation and exploration in the following South Texas plays and trends.

<table>
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<tr>
<th>Frio</th>
<th>San Miguel</th>
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<td>Buda</td>
<td>Cotton Valley</td>
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<td>Olmos</td>
<td>Georgetown</td>
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Thunder is currently seeking non-operated working interest participation in projects and prospects.

Contact Walter S. Light Jr.  
President/Geologist  
713.823.8288  
EMAIL: wthunderx@aol.com

The SIPES Midland Chapter supports the 2016 SIPES Convention and hopes that everyone has a great time in San Diego!

SIPES Midland Chapter Board Members and Chapter Affiliates
Back Row (L to R): Membership Chair John Kullman; SIPES President Craig Smith; National Director John Kimberly. Front Row (L to R): Vice Chair Roger Freidline; Secretary Bill Mueller; Past Chairman Wendell Creech; Treasurer Jasha Cultneri; Chapter Affiliate Amy Hall; Chairman Fred Behnken; Webmaster Randy Anderson. Not pictured: National Director Robin Vasicek.
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<table>
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<tr>
<th>Time</th>
<th>Speaker</th>
<th>Company/Location</th>
<th>Title</th>
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<tbody>
<tr>
<td>8:00-8:30 a.m.</td>
<td>Deborah Sacrey, #1271</td>
<td>Auburn Energy, Houston, TX</td>
<td>&quot;Pattern Recognition and Machine Learning Using Multiple Seismic Attributes — with Case Histories&quot;</td>
</tr>
<tr>
<td>8:30-9:00 a.m.</td>
<td>Gregg McDonald, #3048</td>
<td>Maximus Exploration, LLC, Oklahoma City, OK</td>
<td>&quot;Rebirth of the Hunton in the Sooner Trend Field of Oklahoma: Back to the Basics of Exploration Where Geology Comes First!&quot; (Co-authors — Trey Stearns and Mike Lagrange)</td>
</tr>
<tr>
<td>9:00-9:30 a.m.</td>
<td>Jake Covault</td>
<td>University of Texas, Bureau of Economic Geology, Austin, TX</td>
<td>&quot;Concepts and Approaches for Paleogeographic Reconstruction and Application to Basin-Margin Stratigraphic Predictions&quot;</td>
</tr>
<tr>
<td>9:30-10:00 a.m.</td>
<td>Lou Bortz, #1698</td>
<td>Advantage Resources, Inc., Denver, CO</td>
<td>&quot;Oil Fields in Railroad Valley Nevada&quot;</td>
</tr>
<tr>
<td>10:00-10:15 a.m.</td>
<td>Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10:15-10:45 a.m.</td>
<td>Larry Meinert</td>
<td>USGS, Reston, VA</td>
<td>&quot;Wine and Terroir — The Science of Good Taste&quot;</td>
</tr>
<tr>
<td>10:45-11:15 a.m.</td>
<td>Stephen Melzer, #1081</td>
<td>Melzer Consulting, Midland, TX</td>
<td>&quot;A Game Changing New Unconventional Play: Understanding the Science Behind and the Horizontal Case Histories of Depressuring Upper Residual Oil Zones (DUROZ)&quot;</td>
</tr>
<tr>
<td>11:15-11:45 a.m.</td>
<td>John Brett III, #2649</td>
<td>Brett Exploration, LLC, Oklahoma City, OK</td>
<td>&quot;Theory, Application, Discovery: From OCGS Talk to Drilling to Production&quot;</td>
</tr>
<tr>
<td>1:30-2:00 p.m.</td>
<td>Cody Knepper</td>
<td>NuTech Energy Alliance, Oklahoma City, OK</td>
<td>&quot;Obtaining Geomechanical Rock Properties in the Absence of Wireline Sonic Data&quot;</td>
</tr>
<tr>
<td>2:00-2:30 p.m.</td>
<td>Joe Brevetti</td>
<td>Charter Oak Production Company, LLC, Oklahoma City, OK</td>
<td>&quot;Attribute Analysis — Does it Work in the Woodford?&quot;</td>
</tr>
<tr>
<td>2:30-3:00 p.m.</td>
<td>Leah Kasten</td>
<td>SIPES Limited Member — CMX, Inc., Wichita, KS</td>
<td>&quot;The Tri-State Mining District: A Tale of the Beguiling Mississippian, her Promise of Prosperity and her Cruel Recompense&quot;</td>
</tr>
<tr>
<td>3:00-3:15 p.m.</td>
<td>Break</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3:15-3:45 p.m.</td>
<td>Travis Wilson, #3466</td>
<td>Independent, Norman, OK</td>
<td>&quot;Lyle Field, Grant County, Oklahoma: An Unusual 3.5 Million bbl Field Producing from the Lower Miss (not the Upper Miss Unconformity)&quot;</td>
</tr>
<tr>
<td>3:45-4:15 p.m.</td>
<td>Lance Ruffel</td>
<td>Lance Ruffel Oil &amp; Gas, Oklahoma City, OK</td>
<td>&quot;The 'Golden Trend' of McClain and Garvin Counties Oklahoma, Structural History and Pennsylvanian Strike-Slip Evidence&quot;</td>
</tr>
</tbody>
</table>

(Continued)
Wednesday, August 3

8:00-8:30 a.m.
Marita Noon — Energy Makes America Great, Albuquerque, NM
"Energy Makes America Great"

8:30-9:00 a.m.
Greg Riepl, #2322 — Independent, Oklahoma City, OK
"Reservoir Compartmentalization & Characterization Hamilton Switch Bartlesville Field Okmulgee County, Oklahoma"

9:00-9:30 a.m.
Steve Borron — Bagdad Geomechanics/Freeport McMoRan, Inc., San Diego, CA
"Predicting Slope Failures Using Slope-Monitoring Radar"

9:30-10:00 a.m.
Mike Pollok, #2512 — MAP Exploration, Inc. & Pollok Energy, LLC, Purcell, OK
"My Odyssey Through the Mississippian Subcrops — Continued"

10:00-10:15 a.m. — Break

10:15-10:45 a.m.
Lance Ruffel — Lance Ruffel Oil & Gas, Oklahoma City, OK
"Rejuvenation of the Wewoka Oil Field"

10:45-11:15 a.m.
Steve Testa — Testa Environmental Corporation, Mokelumne Hill, CA
"From the Battle of Fredericksburg to Promised Land — An Historical Perspective on Well Stimulation and Hydraulic Fracturing"

11:15-11:45 a.m.
Don Clarke — Consultant, Lakewood, CA
"Geology of San Diego County and Southern Orange County" — A Field Trip Preview

Kirk Kolar, #3343 — General Convention Chairman
Speakers and schedule are subject to change. Please see www.sipes.org for updates.
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Come to the SIPES Awards Banquet for a fun-filled evening with new colleagues and old friends! A cash bar will be available at 6:30 p.m., followed by a delicious dinner at about 7:15 p.m.

There will also be an awards ceremony to recognize retiring national directors. SIPES Outstanding Service Awards will be presented to David A. Eyler, #2314, and H. Jack Naumann, Jr., #2420, both of Midland, Texas who will be honored for their many years of service to both SIPES and the SIPES Foundation.

Winning tickets for the SIPES Foundation’s No Hassle Raffle will also be drawn.

John D. Wright, PHD, PE

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North Country Elfin Forest Hiking Tour
9:00 a.m. - 12:00 p.m.
$175.00 per person

This beautiful hiking tour is an easy to slightly moderate-level hike led by a naturalist guide. The Elfin Forest is an entirely unique ecosystem with dwarfed plants blanketing the rolling hills of Northern San Diego County. You’ll also see two azure blue lakes, enjoy treks along lush, meandering streams with a variety of wildlife, and learn about local flora, fauna and natural history along the way.

Tour price includes round-trip transportation, guide, water, snack, tax and gratuity.

Hands-on Cooking Class & Lunch
9:30 a.m. - 2:30 p.m.
$325.00 per person

This is a unique opportunity to participate in a hands-on cooking class in a private La Jolla residence situated on top of Mt. Soledad. While the SIPES Group is learning to prepare a delicious California-cuisine lunch, you’ll be able to sample various foods, olive oils, and salts, while sipping wine. You’ll enjoy the stunning views of the Pacific Ocean, indoor and outdoor kitchens, and the chef’s own organic vegetable and herb garden! Once the cooking is complete, everyone will be seated to enjoy a delicious lunch you prepared, complete with wine!

Tour includes round-trip transportation, cooking instruction, lunch, wine, taxes and gratuities.

San Diego City Tour
10:00 a.m. - 12:00 p.m.
$230.00 per person

Explore beautiful San Diego on a private two-hour tour by vehicle. You’ll have a chance to see and learn about the city’s best sites from your professional guide. Highlights will include cultural treasures, beaches, gardens, and of course, beautiful Balboa Park.

Tour includes round-trip transportation, professional guide, water, tax and gratuity.
**USS Midway Museum Tour**
1:30 - 4:30 p.m.
$125.00 per person

The USS *Midway* was the U.S. Navy’s longest-serving aircraft carrier of the 20th century, and the largest ship in the world for a decade. Enjoy a private docent-led tour of the USS *Midway* Museum. After the hour-long tour, you will be free to explore the rest of the *Midway* on a self-guided audio tour. For background information, please attend the SIPES Foundation Seminar presentations on Monday afternoon, August 1 at 2:30 p.m.

*Trip includes round-trip bus transportation, USS Midway Museum entry fees, and docent fee.*

**Mission Bay Kayak Tour**
2:00 - 4:30 p.m.
$200.00 per person

Using tandem kayaks, you will explore the beauty of the crystal clear waters and sandy beaches of Mission Bay with your naturalist guide. As you paddle around the shoreline, you’ll relax as you view an array of fascinating wildlife. You may see dolphins, sea lions, seals, and sea birds during your trip. This excursion is suitable for beginners as well as expert paddlers.

*Trip includes round-trip transportation, kayak rental, helmet, lifejacket, guide, gratuity, and tax.*

**San Diego Harbor Cruise**
9:30 a.m. - 12:30 p.m.
$125.00 per person

Enjoy a two-hour narrated tour of San Diego’s North and South Harbors, with the option of either indoor or outdoor seating. Refreshments may be purchased onboard, and restrooms are available. Highlights from the water include the beautiful city skyline, ships of the Maritime Museum, Harbor Island, Shelter Island, the *USS Midway*, Coronado waterfront, the Naval Amphibious Base, home of the Navy SEALS, and the Coronado Bay Bridge. This tour will take place unless there is a wind advisory for the harbor.

*Tour includes round-trip bus transportation and cruise passage.*
Coronado Island Tour  
9:30 - 11:30 a.m.  
$230.00 per person  

Don’t miss this opportunity to see beautiful Coronado Island. Not only is it one of the most expensive places to live in the country, the beach is often ranked as one of the finest in the world. This two-hour private tour will show the highlights including the Hotel Del Coronado that opened in 1888.

*Tour includes round-trip transportation, professional guide, water, tax and gratuity.*

Sport Fishing Charter Excursion  
12:30 - 5:30 p.m.  
$325.00 per person  

Enjoy a private fishing charter on a comfortable boat with a captain who always seems to find the fish! This charter vessel is designed to handle the rough waters of the Pacific Ocean, and offers local fishing, island fishing or offshore fishing. Space is limited on this tour.

*Tour price includes round-trip transportation, fishing excursion, license, tackle, water, tax and gratuities.*

La Jolla Coast Bike Tour  
1:30 - 5:00 p.m.  
$200.00 per person  

This is a beautiful guided ride along the area’s most picturesque coastline, and includes many of the famous landmarks in the region. It is suitable for almost all biking abilities. The ride begins in La Jolla where the guide will custom-fit you with a Bianchi hybrid bike. Then you’ll cruise along the coastline viewing the La Jolla Seal Beach, the sea lion rookery, the bluffs overlooking La Jolla Cove and Ecological Reserve, and the area’s famous local tide pools.

*Tour includes round-trip transportation, multi-speed hybrid-type bicycle, helmet, water, snack, guide, tax and gratuity.*
Torrey Pines State Reserve Hike
1:30 - 5:00 p.m.
$200.00 per person

Called a wilderness island in an urban sea, this 2,000-acre region is the home of our nation’s rarest pine tree, Pinus Torreyana. The views on this outstanding hike include wind-bent trees, unusual sandstone formations, wildflowers and the sea. Dramatic views are plentiful from the hiking trail which goes along the edge of the bluff high above the water.

Trip includes round-trip transportation, guide, water, snack, tax and gratuity.

San Diego Vineyard Adventure
1:30 - 5:30 p.m.
$230.00 per person

Travel to a spectacular San Diego Winery while enjoying educational and entertaining commentary on the area’s vibrant history and viticulture. At the winery, you’ll enjoy five ample tastes of superb San Diego County wines, and snack on a lavish cheese and fruit platter. This excursion includes a guided tour of the winery grounds, and covers the wine-making process, the rich history of the winery, and free time to explore the delightful studios and galleries of the winery village. You’ll also receive a 10% discount off of purchases the day of the event.

Tour includes round-trip transportation, winery tour and tasting fees, bottled water, wine tote gift bag, taxes and gratuity.

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Post-Convention Field Trip

Thursday, August 4 — 9:00 a.m. - 5:00 p.m.

Cost: $215.00

Geological Tour of Northern San Diego County and Southern Orange County, California

Led by Don Clarke, Consulting Geologist
Lakewood, California

We will travel north along the 5 Freeway through Del Mar, Solana Beach, Carlsbad and Oceanside on our way to San Clemente. Along the way we will learn about some of the difficulties local geologists have had working in the area. At San Clemente we will walk the cliffs and view the world-class exposures of the Capistrano Embayment. This is one of the few outstanding places where you can look at the geology in 3D. Next we will see the landslide areas between San Clemente and Dana Point. At Dana Point we will observe the rocks at the northern portion of the Capistrano Embayment that we first viewed in San Clemente.

Next we will drive along the coast to Laguna Beach, the famous art colony. We will continue north to Crystal Cove to view the cliff exposures of the Monterey Formation. This is a nice beach walk with tide pools. Finally we will travel to Newport Beach to view a natural gas leak that has been used to power a hospital. This is the southernmost portion of the prolific Los Angeles Basin. Sadly, we will only visit one oil field. We will then return to San Diego.

Who should take the trip? Just about anyone. There will be some walking, but not too much. Most of the stops will be along the beach. Dress for a beach walk, and bring along a swimsuit if you’d like to take a dip in the ocean. Definitely bring cameras.

Tour includes round-trip bus transportation, lunch, bottled water, guided narration, taxes and gratuities.
Many thanks to the members listed below for their continuing support of our society.

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