AIPG Ohio Section 2018 Winter Meeting and Dinner Presentation

Ectocochleate Cephalopod Hydrostatics: 3D Reconstruction and Computation of Life Orientation and Static Stability during a Neutrally Buoyant Condition

Presenter: David Peterman, 2nd yr Ph.D. Student, Wright State

and

Marine Vertebrate Ecology in the Early Permian

Presenter: Ryan Shell, 2nd yr Ph.D. Student, Wright State

Date: Thursday, February 22, 2018

Location: The Berry Room at the Nutter Center, 3640 Colonel Glenn Highway, Dayton, Ohio

Schedule: Social Hour at 5:30 pm; Dinner at 6:00 pm Presentation at 7:00 pm

Event Registration and Payment: https://www.aipg-ohio.org/payment.php

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Message from the President

Colin Flaherty, CPG-11465

Fellow AIPG Members,

I am excited to take over the reins as Section President this year. My predecessors have been great leaders and have laid a great foundation; notably, these are Tom Jenkins, Curtis Coe, and most recently Past-President Brent Smith. I appreciate all the hard work that Executive Committee members have put in the past few years, but a lot a credit to due to these three; thank you for all of your hard work...I definitely have big shoes to fill!

A little of my background: I grew up in Charleston, West Virginia then went out west to Fort Lewis College in Durango, Colorado. I always had an affinity for earth science, but I truly fell in love with geology and the geosciences at Fort Lewis. After graduating, I moved to Columbus and began my career in consulting. I joined AIPG as a young(er) geologist in order to work toward a professional certification as a CPG. A few years after obtaining my CPG, Tom Jenkins approached me to gauge my interest in joining the Ohio Section Executive Committee; I obliged thinking it would be a great way to broaden my professional network and give back to the organization. Fast forward 4+ years on the Executive Committee and I now have the privilege to serve as Section President...it is scary how fast time goes! Through my service on the Executive Committee, I have most certainly been able to broaden my network of colleagues, but have been fortunate to make many new friends along the way as well!

I encourage all of you to get involved in the Section, whether it is simply attending meetings, providing feedback/ideas, or joining the Executive Committee. As with many things, you get out of it what you put in, and we have been lucky to have some great contributors on the Executive Committee over the years, in addition to some great members who routinely attend Section events! Also, I would be remiss if I did not mention our corporate sponsors; I want to express a big “THANK YOU” to all of them! Through their support we are able to keep member costs down for events, subsidize student rates, and help offset many other operational costs. Our sponsor advertisements are located throughout this newsletter and more information can be found on our website (www.aipg-ohio.org/sponsors1.php).

It is interesting to me how my experience with AIPG has evolved. I joined as a staff professional to meet others in the geosciences and help boost my credentials. As my career has progressed, I have become somewhat removed from technical geology work (at least on a day-to-day basis), so AIPG has been a great way for me to stay connected and help satisfy my technical desire. I feel that AIPG has the ability to appeal to everyone’s desires, from technical discussions to professional interaction to business development. So again, I encourage you to be active and get involved in Section events.

We have a great year planned for 2018. We will once again return to Wright State for our Winter Meeting on February 22. The Wright State Student Chapter has done an excellent job of hosting in years past, so we want to continue showcasing/supporting them. Additionally, the Executive Committee is ironing out details for our other 2018 events; these (tentatively)
include a social event for our Spring Meeting on April 19; a field trip to Serpent Mound this summer; potentially holding an event in NE Ohio for our Fall Meeting in September; and finally our Annual Meeting in November. Stay tuned to our website for upcoming events as the details become more clear (www.aipg-ohio.org/eventdetails.php).

If you have any questions or if you would like any additional information about AIPG or the Ohio Section, please do not hesitate to reach out to me or one of the Executive Committee members. I hope to see you all at an event in 2018!

Thank you,

Colin O. Flaherty, CPG-11465
2018 AIPG Ohio Section President
Farewell Address from the Past President  
Brent R. Smith, CPG-11130  

Fellow Members,

It has been my honor and privilege to serve you all this past year as the AIPG Ohio Section president. As you all may know, 2017 was my 9th year on the AIPG Ohio Section Executive Committee. As I look back on 2017, I also must look back on those prior formative years with the Section to truly understand involvement with AIPG has helped me to develop as not only a professional, but as a person. Over the years, I’ve had a front row seat to witness exceptional efforts by the Executive Committee, including the organization of AIPG National Shale Conferences (thanks Curt Coe and Tom Jenkins), the publication of a white paper on Ohio legislation (thanks Bill Shafer and Matt Justice), and continued contributions by our Ohio membership at the National level (Brent Huntsman). I have also been fortunate to serve under Section Presidents that truly represented some of the best geoscientists in the state, with careers spanning from consultants such as myself, to Ohio EPA regulators, and even former State Geologist Tom Berg. Additionally, I’ve been able to expand my understanding of the breadth and scope of our profession by attending AIPG-organized dinner presentations and field trips.

Throughout the years, my role within the Ohio Section has varied extensively. As a wide-eyed Member-At-Large, I learned the ropes of the organization and helped out wherever I could. Through my six years as Treasurer I focused on modernizing the way the Section conducted business by implementing electronic payments and introducing PayPal and Square for pre-registration and in-person payments. Most recently, as part of the Business Development Committee, I helped to revamp Section sponsorship, which resulted in the generation of funds to subsidize Members costs for Section meetings, field trips, and Student Chapter events. To all our sponsors, thank you for your continued support that directly benefits our members.

Through these experiences, both inclusive and independent of the Executive Committee, I honestly believe that participation in AIPG helped shape me into the professional I am today, and has expanded my perspective of geology far beyond what I learned in school or have been exposed to on a professional level. With these experiences in mind, I approached 2017 with the goal to honor my predecessors by focusing on a simple question: how can we do more for our members?

For 2017, this idea was first explored when organizing our dinner presentations. Knowing the diverse careers of our Members, we focused on finding an equally diverse array of guest speakers and presentation topics. As such we held four well attended dinner presentations in 2017 that included presentations by Dr. Robert Ritzi presenting on carbon dioxide geosequestration, Dr. Barry Allred presenting on USDA agricultural research, Sam Stowe presenting on large-scale
water resource projects, and Laura Factor, Assistant Director of Ohio EPA presenting on the current status of Ohio EPA. Through these presentations we were able to provide informative events that covered a wide range of geologic subjects and a multitude of professions ranging from the private sector to the state and Federal government.

Another idea that has long gestated within the Executive Committee was the creation of educational opportunities for Members. After more than a year of planning, the Ohio Section offered a Vapor Intrusion Short Course in October 2017, which was prepared in conjunction with our friends at Cox-Colvin & Associates, Inc. The course was attended by almost 40 professionals, who received 2 days of comprehensive training and professional development credit. Special thanks to Tom Jenkins for leading the effort, Mort Schmidt and our other friends at Cox-Colvin for providing the technical expertise, our Executive Committee members for organizational and promotional efforts, and our business development committee members for wrangling in sponsors. This successful event provided us with a template to organize and manage future courses as a further service to our Members and profession.

In recent years the Executive Committee has also increased efforts to reach out to our student chapters with the expressed goal of providing the students with mentorship and learning opportunities. 2017 was another excellent year in terms of student interaction and participation. Our most active student chapters at Wright State University and the Ohio State University remained engaged throughout 2017 due to the continued efforts of their leadership, including former 2016-2017 Presidents Emily Warren (WSU) and Shelby Brewster (OSU), and current Presidents Becky Anderson (OSU) and Ashlynn Boedecker (WSU). Through the organization of student meetings, field trips, and participation in Section events they have exemplified the future of our profession. We look forward to continue these efforts with OSU and WSU in 2018 and with our new student chapter at Youngstown State University (YSU).

Of final note, 2017 also marked my first real foray into AIPG at the National level. In September I attended the 2017 AIPG National Conference in Nashville, Tennessee as the Ohio Section Delegate. As a first time attendee, I found the conference to be a fascinating look into how our organization runs on a National level. I was greatly impressed with the level of commitment given by the National Committee towards the furthering of the geosciences and by certain state sections such as Georgia and Michigan in terms of what they do for their members. Exposure to AIPG at a National and state level was definitely a worthwhile experience, and I look forward to working with future Executive Committees to foster initiatives enacted by other Sections into opportunities for our Ohio Section members.

In closing, I’d like to extend my sincerest thanks to the 2017 Executive Committee for all of their work, and wish the best of luck to the Executive Committee in 2018 and beyond. I’d also like to encourage those of you looking to expand your professional and personal knowledge to reach out and become involved. Looking back on almost a decade I can honestly say it was worth every minute of time I dedicated towards AIPG. This is evidenced in the relationships, learning and professional opportunities, and personal growth that I have experienced. So please, take the time
to become involved as President Colin Flaherty has some great ideas for 2018 and beyond. As for me, I plan to focus some of my spare time on new volunteer endeavors, but will continue my involvement with the Ohio Section as the website Committee chair and a general advisor the foreseeable future.

Sincerely,

Brent Smith

2017 AIPG Ohio Section President.

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<tr>
<th>Calendar of Upcoming Events</th>
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<td><strong>FEBRUARY 22</strong></td>
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<td><strong>MARCH 7</strong></td>
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<td><strong>NOVEMBER 15</strong></td>
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Ohio Section Winter 2018 Meeting and Dinner Presentation Preview

Presentations:  
Ectocochleate Cephalopod Hydrostatics: 3D Reconstruction and Computation of Life Orientation and Static Stability during a neutrally Buoyant Condition, presented by David Peterman, 2nd year Ph.D. Student, WSU

and

Marine Vertebrate Ecology in the Early Permian, presented by Ryan Shell, 2nd year Ph.D. Student, WSU

The Ohio Section’s Winter 2018 Meeting and Dinner Presentation will be hosted by the Wright State University (WSU) student chapter of AIPG on Thursday, February 22 in the Berry Room of the Nutter Center on the WSU campus. The featured speakers will be David Peterman, a 2nd year Ph.D. Student at Wright State University and Ryan Shell, also a 2nd year Ph.D. Student at Wright State University.

The event begins at 5:30 pm with social hour, followed by dinner at 6:00, and the feature presentation at 7:00. The cost will be $25 for members/guests and $10 for students. Pre-registration and payment using PayPal will be required. Please visit the following page for a secure prepayment and registration for the event:

https://www.aipg-ohio.org/payment.php

Event Location: Berry Room at the Nutter Center, Wright State University, 3640 Colonel Glenn Highway, Dayton, Ohio 45435.

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ABSTRACTS

Ectocochleate Cephalopod Hydrostatics: 3D Reconstruction and Computation of Life Orientation and Static Stability during a neutrally Buoyant Condition, presented by David Peterman
During the Early Ordovician, diversification of nautiloid cephalopods led to an increased occupation of the pelagic zone. The early cephalopods of the Upper Cambrian (the order Ellesmerocerida) almost exclusively inhabited the neritic zone. New orders of nautiloids
appeared during the earliest Ordovician including the Endocerida, Orthocerida, among many others, which rapidly diversified. Understanding the hydrostatic properties of morphotypes that best represent these orders is essential to better understand the diversification of nautiloid modes of life during their evolutionary history. This includes generating 3D models in order to compute the conditions for neutral buoyancy (when applicable), static orientation during life, and hydrostatic stability. The ellesmerocerid model was found to be negatively buoyant, which supports the interpretation of this morphotype being restricted to the benthos in a neritic habitat. The Endocerid and Orthocerid models were capable of neutral buoyancy due to the proportions of the living chamber (which was occupied by the soft body of the living nautiloid), and the phragmocone (the chambered portion of the shell used as a buoyancy apparatus). Both of these morphotypes were very stable in a vertical orientation, suggesting they would have been able to serve as pelagic vertical migrants. The distribution of liquid in the phragmocone and mineralized deposits employed by many families within these orders may have been modifications to actually reduce stability to allow deviation from the stable, vertical lifestyle.

*Marine Vertebrate Ecology in the Early Permian*, presented by Ryan Shell
The early Permian Period was a hugely significant time in the history of life on Earth. Between 288.9 and 272.3 million years ago tetrapods, which first appeared 100 million years previously, began to form the first truly terrestrial communities with fewer inputs from the marine realm, compared to previous communities in the Carboniferous or Devonian Periods. While connections between oceanic and terrestrial ecosystems lessened during this time, the fact remains that the two are connected today, and that changes in one system may impact the other. The marine vertebrate ecosystems from this time are thought to be composed of bony fishes and sharks adapted to feed directly on the animals of a typical Paleozoic reef. Bony fishes were, in turn, supposedly preyed upon by small sharks who themselves were eaten, along with the grazing sharks, by large bodied Eugenodonts (*Helicoprion* for example). Fossils in the Lueders Formation of north-central Texas present a somewhat different composition, and in comparing this fauna to those of Bolivia and Russia, we can describe more certainly the global marine vertebrate ecosystem from this time. Furthermore, some sharks adapted to both graze on shellfish and prey upon fishes in Texas were able to move regularly between nearshore and farshore marine ecosystems; providing, a framework to understand the flow of nutrients between vertebrates across the marine/terrestrial divide. We now have a better understanding of how these marine vertebrate communities worked, and how they may have interacted with terrestrial ecosystems during this period.

**PRESENTERS**

David Peterman's research interests include the functional morphology of fossil cephalopod shells (nautiloids and ammonoids). He has developed a new method to compute the requirements for neutral buoyancy, syn vivo static orientation, and hydrostatic stability. This involves generating 3D models from digitally reconstructed fossil cephalopod shells. The hydrostatic properties of externally shelled cephalopods have implications for better understanding how these enigmatic organisms functioned in their ecosystems, biodiversified, and became major components of Paleozoic and Mesozoic oceans.
Ryan Shell's primary research interest is in the ecology of ancient sharks. During the course of his research at WSU, he discovered a fossilized ecosystem in north central Texas that appears to behave much differently than our original understanding of marine vertebrate ecosystems from the same age. This means that our understanding of how sharks and ocean fishes lived and evolved alongside one another is much more complex than previously thought. This extra complexity may explain the rise of certain modern ocean species, and the interaction between the marine and terrestrial realm here may eventually provide clues into how land animals, such as the proto-mammals first appeared. Additionally, I’ve published on dinosaur trackways from the Cretaceous, and I’m conducting research in the Ice Age of western Ohio.
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AIPG Ohio Section Planning Serpent Mound Field Trip in June 2018

Contributed by Tim Brown, CPG-11637

The AIPG Ohio Section Executive Committee is in the preliminary stages of planning for a field trip to the Serpent Mound Impact Structure in June 2018. Geologist Mark Baranoski of the Ohio Department of Natural Resources, Division of Geological Survey, has tentatively agreed to lead the geological portion of the trip. The expedition may also consist of an examination of the archeological aspects of the impact structure and nearby associated Native American artifacts. The event is intended to be family friendly. A field trip planning committee has been founded to establish the details. Please keep this field trip in mind in your plans for next summer. Additional details on this field trip will be announced soon!

New Ohio Geological Survey Guidebook to Serpent Mound Impact Structure Published

The Ohio Division of Geological Survey has recently released a new publication, Guide to the Serpent Mound Impact Structure, South-Central Ohio, by Dr. Keith A. Milam, of Ohio University. The publication, also known as Guidebook 22, was written for a wide audience, ranging from hikers to professional geologists.

Guidebook 22 offers accessible information on the Serpent Mound Impact Structure, which is one of Ohio's most interesting geologic features. Keith Milam begins with an examination of the history of Serpent Mound research and follows with an explanation of impact cratering processes. The field trip sites take you from outside the crater, where the regional geology is observed in its natural sequence, to the crater rim, and then inside the crater to observe the jumbled nature of the local strata as caused by the impact. Guidebook 22 is the first to be published in full-color by the Ohio Geological Survey and offers more than 30 photos, maps, and illustrations, as well as a very useful glossary to explain more complex terms. The 34-page guidebook is also spiral bound for ease of use during a field trip.

Guidebook 22 is available for purchase for $12.00 through the Ohio Geological Survey's website (ohiogeologystore.com).
The WSU Student Chapter of AIPG has provided the Newsletter with a listing of officers as well as a preliminary schedule of activities for the 2017-2018 academic year. The WSU Student Chapter is led by Dr. Stacey Hundley. The WSU Student Chapter of AIPG officers for the current academic year include the following:

<table>
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<tr>
<th>Wright State University Chapter of AIPG, 2017 – 2018</th>
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<tr>
<td>OFFICERS</td>
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<tr>
<td>President: Ashlynn Boedecker</td>
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<td>Vice President: Kali Irvin</td>
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<td>Secretary: Paul Downing</td>
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<td>Treasurer: Baylee Stark</td>
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<tr>
<td>ADVISOR</td>
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<tr>
<td>Stacey Hundley, Ph.D., Lecturer, Earth &amp; Environmental Sciences Department, MEM-2546</td>
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Please take a moment and welcome these WSU Student Chapter of AIPG officers and their fellow student members at a future AIPG event.
On Wednesday, January 31, 2018, The Ohio State University student chapter of AIPG went on a tour of the Byrd Polar and Climate Research Center. We took a bus together out to the hidden gem on OSU’s west campus to learn about the world famous paleoclimate research which takes place at Byrd. First, we listened to a brief introduction about the history of the center, then we watched a video about the 2015 ice core expedition where Byrd Polar researchers travelled to the Tibetan Plateau in search of the oldest ice on the third pole. Next, we took a tour of some of the offices of the researchers and the Polar Rock Repository, a storage center for over 40,000 rock samples from around the world. Finally, we had the opportunity of seeing the clean lab room and the ice core freezer. We learned about how the ice cores can be used as a proxy for measuring various aspects of paleoclimate conditions. The tour was very informative and I think it's safe to say that we were all extremely impressed by the research being conducted at the Byrd Polar and Climate Research Center.
The Ohio State University Student Chapter of AIPG has provided the Newsletter with a listing of officers as well as a preliminary schedule of activities for the 2017-2018 academic year.

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<tr>
<td>President</td>
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<td>Becky Anderson</td>
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<td>Lucas Jasnowski-Pascual</td>
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<td>Prescott Vayda</td>
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<td>ADVISOR</td>
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<tr>
<td>Frank Schwarz, Ph.D., College of Arts and Sciences, School of Earth Sciences</td>
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Please take a moment and welcome these OSU Student Chapter of AIPG officers and their fellow student members at a future AIPG event.

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News from Youngstown State University
Student Chapter of AIPG

Contributed by: Brigitte Petras, YSU Student Chapter Vice President

Youngstown State University last semester participated in the Cleveland Museum of Natural History’s Earth Science and Archaeology day. At the table, different rock types were displayed, and children were able to color the rock cycle. This semester, they will be having an Earth Rocks Fossil Hunt activity at the Federal Frenzy event in Youngstown on April 21, 2018. They are also in the process of planning a field trip to Kelley’s Island in the spring.

Youngstown State University Student Chapter of AIPG has provided the Newsletter with a listing of officers as well as a preliminary schedule of activities for the 2017-2018 academic year.

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<td>Treasurer</td>
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Please take a moment and welcome these YSU Student Chapter of AIPG officers and their fellow student members at a future AIPG event.
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Ohio Section 2017 Annual Meeting 
and Dinner Presentation Recap

Feature Presentation: Ohio EPA Update 
Presented By: Laura Factor, Assistant Director, Ohio EPA

The 2017 Annual Meeting of the AIPG Ohio Section was held on Thursday, November 16, 2017 at La Scala Italian Bistro in Dublin, Ohio. The event was well attended, with a nice crowd of members, spouses, and students from Wright State University and the Ohio State University. The evening began with a social hour featuring a cash bar and appetizers provided by the Ohio Section. In addition, the WSU and OSU chapters oversaw a 50/50 drawing, selling tickets throughout the social hour and dinner, with 50-percent of the collected money going to the drawing winner and the other 50-percent going to the student Chapters. Following the social hour, attendees were served a family style Italian dinner.

At the conclusion of the meal, President Brent Smith addressed the crowd with welcoming words and a recap of the Section accomplishments during 2017 (be sure to read Brent’s farewell message for the highlights!). In addition, Brent announced the results of the election for 2018 AIPG Ohio Section Officers, which included the following:

- President-Elect: Tim Brown (CPG No. 11637)
- Secretary: Thomas Swinehart (CPG No. 3627)
- Treasurer: Robert Andrews (MEM No. 2172)
- Members-at-Large: Shay Beanland (CPG No. 11823), Curt Coe (CPG No. 06240), and Tom Jenkins (CPG No. 07892)

They will join Colin Flaherty (President) and Brent Smith (Past President) on the 2018 Executive Committee. Congratulations to each of you on your election and here’s to a prosperous 2018!

Following his address, Brent introduced the guest speaker for the evening, Laura Factor, Assistant Director of the Ohio Environmental Protection Agency. Laura’s presentation, entitled Ohio EPA Update, focused on providing AIPG members with an update on recently enacted legislative changes as well as
budgetary implications on the agency. This culminated in 2017 with the passage of the biennial budget, recognized as House Bill 49, and Senate Bill No. 2, which created the Lake Erie Commission, revised and redefined laws governing Construction and Demolition Debris landfills, public water systems, and waste water treatment and disposal. Laura also discusses briefly some of the recent efforts to address the Lake Erie nutrient reduction issue, some of the programmatic and regulatory change considerations relative to the Voluntary Action Program and Certified Professionals, and emerging issues including vapor intrusion and ground water contamination from currently unregulated contaminants. Overall, Laura’s presentation showed that the Ohio EPA is working diligently to ensure the protection of Ohio’s drinking water resources and continually improve operational efficiencies and legislation during economically and socially challenged times.

Following the presentation, Chapter President Brent Smith introduced the 2018 President Colin Flaherty, to allow him the opportunity to discuss 2018 plans. Please see President Flaherty’s President’s Message for more details on the exciting things he has in store for 2018.

Following Colin’s address, the Executive Committee presented the 2017 awards, which included the following.

**Award for 50 years of AIPG Membership: William E. Shafer, CPG 1620**

For the award, Bill was given a clock and a plaque with the following engraving:

*The Ohio Section of AIPG would like to thank William “Bill” Shafer for his 50-years of loyalty to the Ohio Section. Mr. Shafer’s career, after graduating from The Ohio State University in 1951, began as a geophysicist, first with the United Geophysical Company, the Union Oil Company of California, and the California Ohio Company (Chevron). Following employment by the State of Ohio, Bill founded Shafer Exploration Company Inc., and later the Resources Exploration Development Company Inc. (REDCO). He has contributed numerous technical reports evaluating the potential for natural gas production of the Lake Erie basin for the Ohio Department of Energy.*

*Bill Shafer has served the AIPG Ohio Section in every officer position, including Member-at-Large, Secretary, Treasurer, President-Elect, President (1974), as well as screening board member and section historian. As president he led the pursuit of state registration, gaining Ohio Senate sponsorship of the Ohio Geologists Registration bill. In 2009 he received The Outstanding Achievement Award from the Ohio Section. His dedication to the profession of geology, professional ethics and AIPG is a great legacy. The Ohio Section is truly grateful to Bill Shafer for his service.*

While Bill could not attend the event, CPG Tom Jenkins was able to deliver the award personally to Bill.

**The Award for Outstanding Achievement: Laurie Chilcote, AS 0144**

Laurie was presented a plaque with the following engraving as recognition to her assistance with the AIPG Ohio Section in recent years, and in particular for the highly successful Vapor Intrusion Short Course conducted in October 2017:
This award of achievement is presented to Laurie Chilcote in recognition for her dedicated service to the Ohio Section of AIPG. Laurie was instrumental in organizing the Ohio Section Vapor Intrusion Short Course presented to Ohio Section members during October 2017. It was through her efforts that the short course was a great success. As a result, the Ohio Section of AIPG is proud to present this award for outstanding achievement to Laurie. Her dedicated efforts and expertise assisted the Ohio Section of AIPG in providing continuing career development to our members, greatly contributing to the health, welfare, and safety of all Ohioans. It is with great appreciation that this high honor is presented for her efforts contributing the profession of geology.

Laurie was both surprised and flattered to receive the much deserved award.

The Award for Outstanding Achievement: Martin “Mort” Schmidt, CPG 08432

Mort was presented a plaque with the following engraving as recognition to his assistance with the AIPG Ohio Section in recent years, and in particular for the highly successful Vapor Intrusion Short Course conducted in October 2017:

This award of achievement is presented to Mort Schmidt in recognition for his dedicated service to the Ohio Section of AIPG. Mort was instrumental in organizing and instructing the Ohio Section Vapor Intrusion Short Course presented to Ohio Section members during October 2017. It was through his efforts that the short course was a great success. As a result, the Ohio Section of AIPG is proud to present this award for outstanding achievement to Mort. His dedicated efforts and expertise assisted the Ohio Section of AIPG in providing continuing career development to our members, greatly contributing to the health, welfare, and safety of all Ohioans. It is with great appreciation that this high honor is presented for his efforts contributing the profession of geology.
career development to our members, greatly contributing to the health, welfare, and safety of all Ohioans. It is with great appreciation that this high honor is presented for his efforts contributing the profession of geology.

While not in attendance, the award was graciously accepted on Mort’s behalf for personal delivery by Craig Cox of Cox-Colvin and Associates.

Additionally, the following certificates were issued to recognize other significant membership milestones.

Certificates of Recognition for 35 Years of Membership

Mr. David Bennett, CPG 05143; and Dr. Thomas Naymik, CPG 06030.

Certificates of Recognition for 25 Years of Membership

Jim Smith, CPG-08366; JoAnne Mitock, CPG-08413; Douglas Wagner, CPG-08419; Steven Williamson, CPG-08420; Martin Schmidt, CPG-08432; Miriam Wieckowski, CPG-08492; Wendell Barner, CPG-08610; Mark Butler, CPG-08610; George Colvin, CPG-08630; and Richard Kenter, CPG-08684.

Following the awards presentation, attendees were entertained by a door prize give away that included several books donated by members and AIPG National, coffee mugs, beer glasses, and a nice AIPG backpack. OSU Student Chapter President Becky Anderson and WSU Student Chapter President Ashlynn Boedecker were able to sell over $150 in raffle tickets. The 50/50 drawing was won by Karen Royce, former Advisor for the OSU Student Chapter, who graciously donated her 50-percent back to the student groups.

Thanks again to Laura Factor, all members who attended, the 2017 Executive Committee, and the OSU and WSU Student Chapters for making this a fun and memorable event! Also special thanks to ALS, In-Situ, and Terran Corporation for sponsoring the event and for your continued support.
SCENES FROM THE 2017 ANNUAL MEETING

Social hour before the meeting

OSU Student Section Attendees with President Brent Smith and President-Elect Colin Flaherty
WSU Student Section Attendees with President Brent Smith and President-Elect Colin Flaherty

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Geophysical Log Analysis Workshop

Reading the Rocks - All in Four “Easy” Tracks

Instructor: Dr. Tim Carr, Professor of Geology, West Virginia University

Sponsored by the Ohio Geological Society in conjunction with the Ohio Oil and Gas Association Winter Meeting

When: March 7th 2018 from 10am to 4pm with one hour for lunch and 2-15 minute breaks

Where: Hilton at Easton 3900 Chagrin Dr, Columbus, OH 43219, (614) 414-5000

What: Dr. Carr will lead instruction of four tracks each covering the basic concepts and uses of major log suites. Each track includes exercises in log analysis using EXCEL spreadsheets.

Who should attend: This course will help new and experienced geologists and geoscience technicians who work with geophysical logs and wish to learn or refresh log interpretation skills. OGS offers 0.5 CEUs or 5 PDHs upon completion.

Cost: Professional rate $125 per person; Student rate $100/person (student rate limited to 10 total).

Registration: Online through the Ohio Geological Society website at; https://ohiogeosoc.org/events/geophysical-log-analysis-workshop/

Overview: Basic questions in the petroleum geosciences require knowledge of the sub-surface reservoir properties, and the spatial distribution of stratigraphic units and facies. This course is structured around four main tracks of wireline and LWD logs. Attendees will learn some theory, but more of the practical applications behind a range of methods and gain hands-on experience to address real-world challenges of understanding the subsurface. Attendees will get Excel templates to undertake brief exercises around each of the four tracks. OGS will provide copies of all material. OGS offers 0.5 CEUs or 5 PDHs to participants upon completion.

Track 1 – Gamma Ray and Caliper with exercise

Track 2 – Porosity Logs and Lithology with exercise

Track 3 – Resistivity and Water Saturation with exercise

Track 4 – Sonic and Geomechanics with exercise

IMPORTANT: If you have a laptop with Excel, please bring it. If not, you can look on others neighbors screen.

If you have an LAS log with an interesting question, please feel free to bring it.
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Letters to the Editor and Editorial Submittal Guidelines

The Ohio Section welcomes and encourages membership discourse via the Section newsletter on relevant geopolitical and geological topics, in accordance with our chartered purpose. Contributing authors are requested to abide by the following guidelines to ensure civility and professionalism.

1. Scientific interpretations should include accurate and effective references.

2. Opinion pieces should be presented with reasoning. Fellow members may choose to comment or challenge a submittal with their own contribution.

3. Authors must abide by the AIPG Code of Ethics. Any author who violates this code will not be published. Authors must be respectful to fellow members, all political parties, officials and candidates.

4. Letters to the Editor should be under one page in 12 pt. Arial font.

5. Member authors should provide their name and certification number.

6. The Ohio Section also welcomes and will consider relevant articles from non-members, provided contributions abide by the above stated guidelines.

Contributions to the Ohio Section newsletter do not necessarily reflect the opinion of the Ohio Section or the editor. We reserve the right to edit for clarity and space considerations. Please send submittals to the editor at sbeanland@eagoninc.com.