THE SOCIETY FOR ORGANIC PETROLOGY

NEWSLETTER

Vol. 30, No. 3 September, 2013 ISSN 0743-3816

The 30th TSOP Annual Meeting in Sosnowiec, Poland was a great success – see reports starting page 9

Mark your calendars now for 2014!

Photo courtesy of Hugh Peterswald, Wikipedia.

The 31st TSOP Annual Meeting will be held in Sydney, Australia!

September 28th to October 1st, 2014

TSOP 31st Annual Meeting

September 28th – October 4th
2014

Watch the TSOP website for updates!

www.tsop.org

The Society for Organic Petrology

TSOP is a society for scientists and engineers involved with coal petrology, kerogen petrology, organic geochemistry and related disciplines. The Society organizes an annual technical meeting and field trips; sponsors research projects; provides funding for graduate students; and publishes a web site, a quarterly Newsletter, membership directory, annual meeting program and abstracts, and special publications. Members may elect not to receive the printed Newsletter by marking their dues forms or by contacting the Editor. Members are eligible for discounted subscriptions to the Elsevier journals ***International Journal of Coal Geology*** and ***Review of Palaeobotany and Palynology***. Subscribe by checking the box on your dues form, or using the form at www.tsop.org. Contact Paul Hackley phackley@usgs.gov if you do not receive a bill or have any other problems with a subscription. For the best prices on subscriptions to AGI's ***Geotimes***, see their web site at www.geotimes.org/current

TSOP is a Member Society of AGI and an AAPG Associated Society

The Society for Organic Petrology Newsletter

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GUIDELINES:

The TSOP Newsletter welcomes contributions from members and non-members alike. Readers are invited to submit items pertinent to TSOP members' fields of study. These might include meeting reports and reviews, book reviews, short technical contributions including those on geologic localities or laboratory methods, as well as creative works such as poems, cartoons and works of fiction. Photos, graphs and other illustrations are welcomed. Low-resolution images are discouraged, as they cannot be reproduced well in print. Articles are preferred in Microsoft Word, RTF or plain text formats.

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Address Changes
Please report any changes in address or contact information to: Paul Hackley, TSOP Membership Chair, phackley@usgs.gov

Members can update their own information by logging into the secure TSOP website:
www.tsop.org/mbrsonly/

The TSOP Newsletter is published quarterly by The Society for Organic Petrology and is distributed to all Society members as a benefit of membership. Membership in the Society is open to all individuals involved in the fields of organic petrology and organic geochemistry. For more information on membership and Society activities, please see:

www.tsop.org

For purposes of registration of the TSOP Newsletter, a permanent address is:

The Society for Organic Petrology,
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Newsletter Submission Deadlines

December Issue: December 10th, 2013
March Issue: March 10th, 2014
June Issue: June 10th, 2014
September Issue: September 10th, 2014

President's Letter

In my first newsletter communication as TSOP President, I want to say to say is that it is a great honour to serve and represent TSOP members whose passionate dedication to geoscience I greatly admire and I am grateful for the many friendships and professional connections I have made through TSOP over the years. I am looking forward to working with our very capable council and the many inspiring committee chairs and members that support TSOP council and all those who continue to work on behalf of TSOP long after they leave council. I will work to continue to build and protect the foundations of TSOP laid by former president, vice presidents, council and committee members who have contributed so much of their time and talents to TSOP these 30 years.

On behalf of all TSOP members, I would like to express our most sincere thanks to retiring President Isabel Suarez-Ruiz for guiding our society for the last four years as VP and President; and to Past President Hamed Sanei for his continued dedication to TSOP as Past president and Chair of the Nominating Committee; to retiring Councillor, Mike Trippi, for his contributions to council and for his work as chair of Publications committee; and also to retiring Secretary, Jackie Holt who launched TSOP into the world of social media (like us on Facebook!).

I would always like to express our thanks to council members who continue to serve with dedication: Mike Avery, Treasurer and Website manager; Rachel Walker, Editor; Councillor: Magda Misz-Kennan; Colin Ward, Chair of the Research Committee; Paul Hackley, Chair, Membership Committee; Dave Glick, Archivist and Webmaster; Sharon Swanson, our registrar and legal beagle; Bill Hugget, Chair of the Ballot Committee; and all those who serve on the awards committees.

I would like to welcome out New TSOP Council members for 2013-14: Shifeng Dai, Vice-President; Jingle Ruppert, Secretary and former President of TSOP (stepping up for a second time- now that is called dedication!) and to newly-elected Councillor, Jessie Carrie; and lastly, I would like to report that we have a number of new TSOP members (check our Facebook page) and extend a special welcome to them all.

As members of TSOP, we belong to a vibrant learned Society for many reasons, not least of all because as humans, we have come to accept that many heads are better than one. Working together through TSOP allows us to continue to learn and do things better through cooperation and sharing of talents and ideas at technical meetings and through publications; also, as a group, we better able to interact with other societies and the benefit trickle down to individual.

Another of TSOP's primary objectives, recognizing and celebrating the achievements of our peers and coworkers is rewarding and healthy and just plain good for the scientific soul! As scientists, we may not employ the same modus of jubilation and congratulations that soccer players do after they score a goal, but that doesn't mean we don't get excited about and love what we do! So I encourage you to keep on doing what you do and being excited about what you do and TSOP Council and I will continue to make sure we plan ahead for Annual Meetings in interesting venues, encourage student participation and attend to the general operations of TSOP while you keep doing what you do best.

We have just concluded a very successful meeting in Sosnoweicz-Katowice in Poland (Sept 1-4th), hosted by TSOP Councillor, Magda Misz-Kennan and a dedicated organizing committee. We have some exciting venues lined up for the next few years.

We are going "downunder" for our next meeting which will be in Australia, Sept 28-Oct 3, 2014. Kaydy Pinetown and Colin Ward are hosting the meeting in one of the world most stunning and beautiful settings, the harbour at Sydney, NSW.

A technical meeting, harbour cruise, innovative short course and extended trips to Coal Mines and vineyards of the Hunter Valley will be among the highlight of this meeting Sept 28-Oct 1, 2014).

In 2015, Tim Moore and his committee have invited us to Indonesia, a culturally and geologically unique part of the world where ancient meets modern for the 32nd Annual meeting. A place defined by spectacular seismic and volcanic activity, Indonesia is home to extensive modern analogues of coal and source rocks in the Maharkam Delta as well as vast resources of low rank coals and a vibrant fossil fuels industry; and in 2016, TSOP will return to its old stomping grounds in Houston TX for the 33rd annual meeting at the invitation of Thomas Demchuk (Conoco-Phillips) and Jennifer O'Keefe (Moorehead University).

In closing, I encourage you as TSOP members, to help expand TSOP membership base by encouraging students to join the Society and participate in TSOP activities, check the website and Facebook pages to keep abreast of what's new and continue to support TSOP by your efforts and participation.

Sincerely,

Judith Potter

TSOP President, 2013-2015

Industrial Sustainer Donations

We are very grateful to and to Chevron and to Discovery Group for their generous donations in support of innovative research in organic petrology and related sciences. Financial support of this nature permits TSOP to continue providing research grants to students such as The Spackman Award.

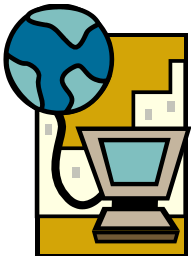
Special thanks to TSOP members Joe Curiale and Bob Cluff for their efforts to secure these donations and for their ongoing support and involvement in TSOP.

The Chevron and Discovery Group donations are an ideal opportunity to remind all of our members to pursue available opportunities to secure corporate sponsorship for TSOP programs in support of innovative research by talented young scientists.

Judith Potter
TSOP President, 2013-2015

Web Site News

Photos and Help Wanted



Photographs (with captions and photographer credits) from the 2012 and 2013 meetings (and others) are invited for inclusion in photo galleries like those at http://www.tsop.org/galleries/ . Galleries illustrating other aspects of TSOP's areas of scientific interest are possible as well.

TSOP members: your help is welcomed to expand and improve the web site. Let me know (e-mail: xidg@verzon.net) what your particular skills are and we will find a place to use your help, with an existing feature of the web site or a new one. Possible projects include a searchable index; investigation of software such as Zotero for an actual database to organize the literature references; more photograph galleries; more work on the In Memoriam section. For those who have already volunteered, please bear with us during the continuing scheduling problems.

A timely need relates to recent changes made to accommodate use of the drop-down menu system under Internet Explorer 10; the changes brought back an unwanted gap above the drop-down menu bar in all web browsers. If you can improve the CSS/HTML formatting to eliminate this gap or otherwise improve the formatting across several web browsers, you are the expert we're looking for!

David Glick
Internet Committee Chair

New TSOP Members

Izuchukwu Mike Akaegbobi

Dr. Izuchukwu Mike Akaegbobi is a senior lecturer in Geology at the University of Ibadan, Ibadan, Nigeria where he offers courses in Organic Geochemistry and Petrology and Petroleum Geology and Sedimentology and conducts research in the same field. Dr. Akaegbobi received his Diploma in Geology in 1989 from RWTH Aachen, Germany with a special concentration on Organic Geochemistry and Coal Petrology. He received his PhD in Geology with a specialization in Petroleum Geochemistry and Organic Petrography in 1995 from the Technical University of Berlin, Germany. Since returning to Nigeria in 1995 his research focuses on organic geochemistry and petrology of coal measures and finely disseminated organic particles in sedimentary rocks of the Cretaceous Basins of Nigeria and the Tertiary Niger Delta and the Benue Trough.

Trent Garrison

Mr. Garrison received his BA and MS degrees in Geology from Eastern Kentucky University in 2002 and 2005. He is currently a PhD candidate at the University of Kentucky where he is also an adjunct professor and President of the Kentucky Section of the American Institute of Professional Geologists. He is researching organic petrology and coal fire occurrences with Jim Hower and Jen O'Keefe.

Iwona Aneta Jelonek

Dr. Jelonek received her PhD in 2006 from the University of Silesia, Poland, for a study of facies development in the Łaziska Beds from the Jaworzno coal mine in the Upper Silesian Coal Basin. She is an assistant professor at the University of Silesia where her research interests range from thermal maturity indices and kerogen typing of shales to petrographic and petrophysical properties of coals. Additionally, she is chief coordinator of an

EU Steel and Coal Commission Project which investigates improvement of coal carbonization through fuel optimization in coking blends and participates in another EU project to innovate carbon products for coke substitution.

Nikola Van de Wetering

Ms. Wetering received her BSc degree from the University of Queensland in 2013 in Geological Sciences and Chemistry. Her undergraduate research project focused on comparative studies in the application of classic petrography to coals, integrated with etching techniques, palynology, and stable isotope geochemistry to understand vegetative stages in recent and ancient coals.

Spackman Awards 2013

A generous donation from the Discovery Group has enabled two Spackman Student Research Awards to be made for 2013. After consideration of the applications by an international panel of senior TSOP members, grants of $1,000 have been awarded to each of the following students:

Mr Trent Garrison, PhD student at the University of Kentucky, for a project entitled: Environmental effects of coal mine fires.

Ms Joy Buongiorno, MS student at the University of Tennessee, Knoxville, for a project entitled: Time-series analysis of paired isotopic compositions of C_{carb} and C_{org} in mineralized microbialites of the High Andes, Argentina.

Outlines of these projects follow in the next section.

Thanks are expressed to the Discovery Group for their support of the Spackman Awards scheme, to the members of the assessment panel, and to the applicants for preparing their contributions.

Colin R. Ward
Chair, TSOP Research Committee

Environmental effects of coal mine fires

Trent Garrison
University of Kentucky

Little published data exists on water quality in areas affected by coal fires, especially with respect to volatile organics. In this study, volatile organics and other relevant constituents from ground and surface water will be analyzed and ground water flow rates will be tested. In addition, a review of the evolution of coal fire emissions sampling techniques will be completed, as well as a comparative analysis of coal rank versus emissions. This study is a first step in understanding the dangers of using domestic water supplies near coal fires, as well as understanding emissions variation by rank.

Below is a breakdown of the different phases of the study that will be completed:

1. **Ground water quality and velocity at the Truman Shepherd coal mine fire** in eastern Kentucky. Water samples will be collected at five locations (domestic wells and streams) in different meteorological flow conditions: low, medium, and high rainfall. The samples will be analyzed for a number of relevant constituents, notably BTEX and PAH. Also, if resources allow, a cocktail of water + *Fluorescein* dye would be injected directly into the mine via the

most active vent(s). Either Charcoal Dye Receptors (CDRs) will be deployed or water samples will be collected from the adjacent stream as well as the neighboring domestic-use well(s), and any other relevant location deemed applicable during further site reconnaissance. This study will demonstrate ground water velocity and connectivity to streams, wells, and springs.

2. A literature review consisting of **the evolution of coal fire sampling technology and methodology,** as well as trial and error of sampling techniques and methodology will be discussed.

3. **Comparative analysis of coal-fire emissions versus coal rank**. Emissions and rank data from coal fires and coal in different geologic regions were collected by the University of Kentucky's Center for Applied Energy Research (CAER) and others over a period of several years. A comparative study based on these data, considering coal rank vs. emissions, will be completed using data from the following sites:
    a. Wyoming subbituminous coal
    b. Colorado subbituminous coal
    c. Five Eastern Kentucky bituminous coals (Ruth Mullins, Tiptop, Truman Shepherd, Old Smokey, Lotts Creek)
    d. Poland bituminous coal
    e. Alabama bituminous coal
    f. Centralia, Pennsylvania anthracite Coal
    g. South Africa
    h. Inner Mongolia

Time-series analysis of paired isotopic compositions of C_{carb} and C_{org} in mineralized microbialites of the High Andes, Argentina.

Joy Buongiorno
University of Tennessee

Environmental fluctuations, such as those related to climate, biological productivity, and evaporation can be recorded, in part, by carbonate units within lacustrine depositional systems. Sediments within terminal, closed-basin lakes are amongst the most sensitive paleoenvionmental indicators, and have great potential for permitting detailed reconstruction of environmental conditions via geochemical and isotopic proxy data.

Mineralized microbial mats and oncolites within Laguna Negra, a high-altitude (4100 m) hypersaline, closed basin Andean lake in Argentina, preserve a complex alternation of distinct carbonate fabrics—including microbially precipitated micrite, botryoidal features, and distinctly isopachous cement phases—that are interpreted to reflect a combination of physical and biological influence on carbonate nucleation and growth. Detailed preservation of successive, potentially seasonal, laminae, within these microbialites permit the unique opportunity to reconstruct a time-series for both inorganic and organic carbonate phases.

Geochemical evolution of Laguna Negra is reconstructed via analysis of oxygen isotopes and trace elemental compositions, and paired isotopic analysis of inorganic and organic carbon is then used to infer the relative effects of evaporation and biotic activity in the evolution of Laguna Negra. C/N ratios and FTIR analyses are used for determining effects of reworking of organic matter and organic matter origin, respectively. Initial data suggests that environmental parameters (derived from C-O isotope covariance and trace element concentration) vary with geographic position within the lake, and that C-isotopes provide a sensitive record of fluctuating environmental conditions. We are currently exploring the potential correlation between geochemical parameters and the discrete microfabrics that may reflect a spectrum of microbial associations. Ultimately, understanding of the relative effects of environmental and biotic parameters on the evolution of lacustrine deposits will enhance our understanding of both paleoenvironmental change and its potential relationship to microbialite mineralization.

The 30th Annual Meeting of The Society for Organic Petrology Sosnowiec, September 1 – 4, 2013

Magda Misz-Kennan

The 30th Annual Meeting of The Society for Organic Petrology took place in Sosnowiec (Poland) in September 1- 4, 2013. The hosting institution was the University of Silesia, Faculty of Earth Sciences that is located in Sosnowiec in the Upper Silesian Coal Basin (Figures 1 and 2).

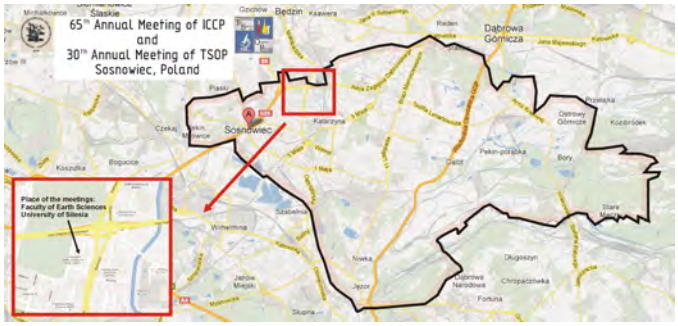


Figure 1. Location of the Faculty of Earth Sciences, University of Silesia, Sosnowiec, Poland.

Figure 2. The Faculty of Earth Sciences in Sosnowiec.

It was the first TSOP meeting to be held in Poland. The Honorary Committee was: Prof. dr hab. Wiesław Banyś, Prof. dr hab. Janusz Janeczek, Prof. dr hab. Adam Idziak, Prof. dr hab. Krystyna Kruszewska. The Organizing Committee was: dr hab. Magdalena Misz-Kennan, dr Krzysztof Szopa, dr hab. Monika Fabiańska Prof. UŚ, dr hab. Leszek Marynowski Prof. UŚ, dr Justyna Ciesielczuk, dr Beata Smieja-Król, dr Iwona Jelonek, Ms Marta Kasprzyk, Mr Maciej Rybicki, Ms Kamila Banasik, Mr Piotr Kotula, Ms Justyna Smolarek, Ms Martyna Trubic, Ms Magdalena Wolniak, and Ms Katarzyna Kańtoch.

The sponsors of the meeting were Hilgers - Technisches Büro (Germany), A.S. & Co. (Germany), Żywiec Zdrój (Poland), and TSOP. The deadline for sending in abstracts and registration was May 31, 2013. The deadline for sending papers to the International Journal of Coal Geology is December 31, 2013.

The topics of the technical sessions were: coal petrology, mineralogy and geochemistry; coal geology and utilization; coal and environment; Coal Bed Methane: geology, evaluation and utilization; shale gas and shale oil: geology, extraction and utilization; analytical techniques in coal and organic petrology and geochemistry

On September 1, 2013 there was a field trip to the Wieliczka Salt Mine that has been on the UNESCO World Cultural and Natural Heritage List since 1978. The Wieliczka Salt Mine is the oldest continuously operating industrial venture in Poland, having started production in 1290. The salt is Tortonian (late Miocene) in age and formed in a lake connected with the active Carpathian thrust front. The Tortonian sequence comprises over 1000 m of evaporites, siltstones and claystones with the main salt horizon towards the base. The salt section varies from 100 m to 300 m in thickness. After lunch in "Kuchnia u Babci Maliny" participants visited Main Square and Wawel in Kraków, the former capital of Poland.

On September 2, 2013 in the morning a short course of on the application of organic petrology and geochemistry to environmental studies given by Monika Fabiańska and prepared by Monika Fabiańska and Magdalena Misz-Kennan (Figures 3 and 4), followed by lunch, the TSOP Council Meeting, and registration and the Ice Breaker Party.

Figure 3. Monika Fabiańska during short course.

Figure 4. Participants of the short course.

On the last two days there were technical sessions during which 17 oral presentations were given and 21 posters were presented during the poster session (Figure 5). On September 3, 2013 in the evening participants visited Tyskie Brewery, one of the oldest breweries in Poland (Figure 6). The meeting ended with conference dinner (Figure 7).

Figure 5. President of TSOP during Opening Ceremony of TSOP Meeting.

Figure 6. Visit to Tyskie Brewery

Figure 7. Conference dinner

The conference fee included a book of abstracts of oral presentations and posters as well as descriptions of the field trip, coffee breaks, lunches, ice breaker party and writing materials.
The fee for the short course included the printed materials from the course, transport by bus from Katowice to Sosnowiec, coffee break and lunch.
In total 61 participants attended the meeting, of which 27 were from Poland (Figure 8). The continent that was best represented was Europe from which 59 % of all participants originated. The second country most represented was China (8 participants), followed by the USA (6 participants), Canada (4 participants) and Australia (4 participants).

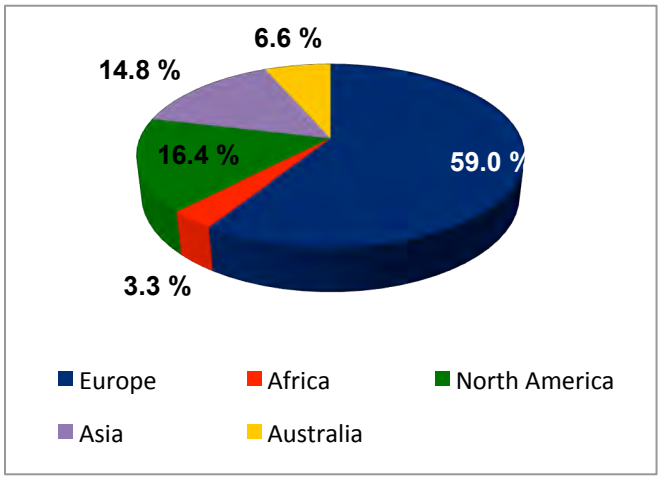


Figure 8. The distribution of participants according to continent.

30th Annual TSOP Meeting Awards

Best Student Oral Presentation:
"Geochemical and Organic Petrological Analysis of a Lower Jurassic shale-oil interval in the Western Canadian Sedimentry Basin" by Danielle Kondla, Department of Geoscience, University of Calgary (authors: D. Kondla, H. Sanei, C. Clarkson, P. Pedersen & F. Goodarzi)

Best Student Poster:
"Perylene degradation during gradual onset of organic matter maturation - examples from the Podhale Basin, Poland" by Justina Smolarek, Faculty of Earth Sciences, University of Silesia (authors: J. Smolarek, L. Marynowski & Y. Hautevelle)

Student Travel Award:
Awarded to Danielle Kondla, Department of Geoscience, University of Calgary, Canada.

Distinguished Service Award:
Paul Hackley - Paul has been a tremendous asset to TSOP in his position as Secretary as well as Chair of the Membership Committee from 2006 to today. He has served TSOP with great enthusiasm in these roles, which included the tedious task of envelope stuffing and mailing out the printed newsletter and also tasks that took great initiative such as distributing Spackman grant announcements to many universities. His promptness in preparing and distributing Council meeting minutes is legendary for Council members of his term. His diligence, thoughtful input and humor often made long Council meetings more enjoyable.

He continues to serve TSOP today as Membership Chair and as an administrator of the TSOP Facebook page.

International Journal of Coal Geology Past TSOP Meeting Papers Published

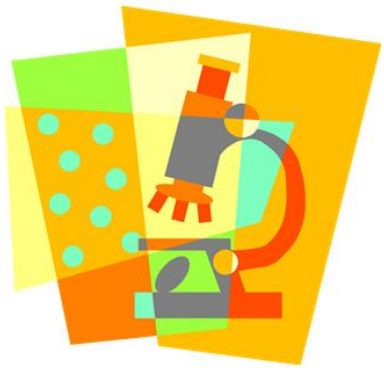
The meeting papers from the 2010 Denver, Colorado; 2011 Halifax, Nova Scotia and 2012 Beijing, China TSOP meetings were all officially published in the following volumes of the International Journal of Coal Geology in 2013:

2010 Denver papers: Int. J. Coal Geol. V. 108

2011 Halifax papers: Int. J. Coal Geol. V.113

2012 Beijing papers: Int. J. Coal Geol. V.116-117

Links to these volumes can be found on the Meetings page of the TSOP website: http://www.tsop.org/meetings.htm



The 5th International Conference on Medical Geology

25-29th August, 2013
Arlington, Virginia, USA

Medical Geology conferences bring together researchers and decision makers from the physical sciences and the medical sciences who are interested in solving health problems caused by natural materials and processes. The following is a selection of papers presented at this years' conference in Arlington, Virginia.

Is Crystalline Silica Bioavailability In Coal Dust Explained By Coal Mineralogy? Horwell, Claire And Gordon, Sophie.

Lithogenic Atmospheric Particulates In The Vicinity Of Mountaintop Coal Mines, West Virginia, USA . Kolker, Allan, Engle, Mark A., Kurth, Laura M., Orem, William H., Geboy, Nicholas J., Hendryx, Michael, Tatu, Calin, Crosby, Lynn, Mccawley, Nicholas, J., Varonka, Mathew S., And Devera, Christina.

Coal In China: Unlimited Opportunities For Medical Geologists . Huang, Wenhui, Zheng, Baoshan, Finkelman, Robert B.

Surface Mining Of Coal And Water Chemistry – Case Study In West Virginia, USA . Orem, William H., Tatu, Calin, Crosby, Lynn M., Varonka, Matthew S, Bates, Anne S, Geboy, Nicholas J., and Hendryx, Michael, S.

Volatile Organic Compounds Release From Self-Burning Coal Waste Piles. Ribeiro, Joana, Suárez-Ruiz, Isabel, Santos, José Luís, Baptista, José Manuel, And Flores, Deolinda.

Increased Prevalence Of Coal Workers' Pneumoconiosis: What Should We Do Now? Huang, Xi.

Stone Coal In Southern Shaanxi Province, China: Mineralogy Of Environmentally Hazardous Elements. Belkin, Harvey E.

Mercury, Fluoride And Acid Release From Underground Coal Fires In Wuda, Inner Mongolia Of China. Liang, Yanci, Zhu, Shuquan, Liang, Handong, And Finkelman, Robert B.

Evidence For The Role Of Pyrite In Coal Workers' Pneumoconiosis Pathogenesis – Acellular And Cellular *In Vitro* Studies. Harrington, Andrea D., Hylton, Shavonne Nyoka, Tsirka, Styliani-Anne E., and Schoonen, Martin A.

The Geochemical Behavior Of Oxyanions Released From Coal Combustion Residues And Processes. Ruhl, Laura, Vengosh, Avner, Dwyer, Gary S., Hsu-Kim Heileen, Schwartz, Grace E.

Medical Geology Issues In Texas. Wells, Arden, Borgfeldt, Taylor, Chakraborty, Jayeeta, Islam, Tasnuva, Tarloff, Keith, Finkelman, Robert B. and De La Garza, Mercedes.

Crow Water Quality Project, A Community Based Participatory Approach Finds Elevated Uranium In Wells On The Crow Indian Reservation, Big Horn County, Montana. Eggers, Margaret J., Moore-Nall, Anita L., Doyle, John, Felicia, Dayle, Lageson, David R., and Camper, Anne K.

Improving Health And Characterizing The Burden Of Disease Of Western Miners. Laney, A. Scott.

More papers and their abstracts can be found at the conference website: http://rock.geosociety.org/GeoHealth/MEDGEO_2013/index.asp

CALENDAR OF EVENTS

www.tsop.org/cal.htm

2013

October:

October 13-19th, 2013: Earth Science Week 2013! "Mapping Our World," is the theme this year, aimed at engaging young people and the public in learning how geoscientists use maps to represent land formations, natural resource deposits, bodies of water, fault lines, volcanic activity, our shared geologic heritage and more. www.earthsciweek.org

October 20-24, 2013: AASP – Palynological Society Annual Meeting, San Francisco, CA, USA. www.palynology.org/conference2013/index.html

October 27-30, 2013: Geological Society of America Annual Meeting, Denver, Colorado, USA. www.geosociety.org

November:

November 3-5: Liquid-Rich Unconventionals Conference, Vancouver, Canada. www.aapg.org/gtw/2013/vancouver/index.cfm

2014

April:

April 6-9: AAPG Annual Convention, Houston, TX, USA. www.aapg.org

April 24-25: Ashes and Slags from TPPs – removal, transport, processing, landfilling, Moscow, Russia. http://www.ecopower.ru/index.php?newsid=123

For more geology event information, see:
http://calendar.agiweb.org/index.html

Liquid-Rich Unconventionals Conference
3-5 November 2013
Vancouver, Canada

Registration is now open for the AAPG-sponsored "Hydrocarbon Charge Considerations in Liquid-Rich Unconventional Petroleum Systems" GeoTechnology Workshop to be held in Vancouver, BC, Canada, on 3-5 November 2013. This interdisciplinary workshop is devoted to promoting the technical interaction of petroleum geochemistry with geology and engineering in liquids-rich unconventional plays, and will consist of two days of intensive presentation and discussion of all aspects of these plays. Each of the four sessions will include four invited presenters, and will be followed by ample time for discussion.
We hope you will consider attending. All details, including information on registration, are available at www.aapg.org/gtw/2013/vancouver/index.cfm
Please feel free to contact any of the following organizers for additional information:

Joe Curiale: jcuriale@chevron.com
Michael Abrams: michael.abrams@apachecorp.com
Volker Dieckmann: volker.Dieckmann@shell.com
Ross Clark: rclark@kallistoenergy.com
Carol McGowen: cmcgowen@aapg.org

TSOP Members at the Wavel Castle in Krakow, part of the field trip prior to the Annual Meeting. Photo courtesy of Colin Ward.

TSOP Members at the Banquet. Photo courtesy of Judith Potter.

Photo of salt in the wall of the Wieliczka Salt Mine, part of the meeting field trip. Photo courtesy of Judith Potter.

Short Course participants listen to instruction. Photo courtesy of Judith Potter.

TSOP Members waiting to go into the Wieliczka Salt Mine on the field trip. Photo provided by Shifeng Dai.

TSOP Members enjoying the Ice Breaker at the TSOP meeting. Photo provided by Shifeng Dai.