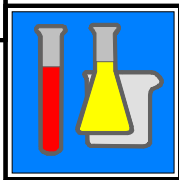


**THE SOCIETY FOR ORGANIC PETROLOGY**

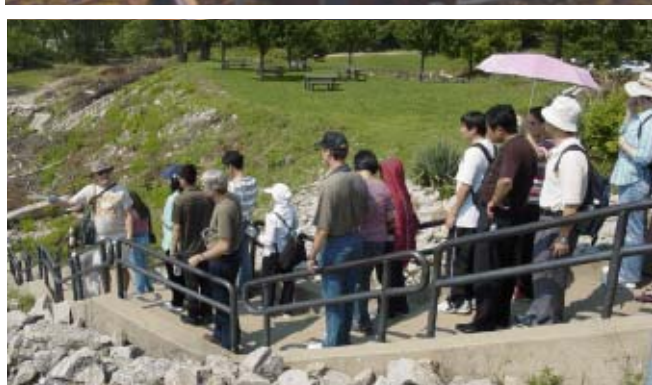


# NEWSLETTER

Vol. 22, No. 4

December, 2005

ISSN 0743-3816



# 23rd Annual TSOP Meeting September 15 - 22, 2006 Beijing, China

See the **CALL FOR PAPERS** in this issue

## Key Conference Themes

1. Organic petrology and geochemistry of non-marine source rocks;
2. Coal-derived hydrocarbons (coal-derived oil, unconventional natural gas and coalbed methane) exploration and development;
3. Coal petrology, coal-measure sedimentology and the hazardous elements in coal related to the environment and human health;
4. Organic petrology in coal mine security and coal utilization: mine fire, gas burst, coal slurry and other less-conventional utilization technologies;
5. New techniques in organic petrology/geochemistry.

## Planned Schedule Includes

Friday, September 15, 2006  
Pre-meeting field trip: Jurassic and Permo-Carboniferous Coal Basin

Saturday, September 16  
Short Course: Petrology and geochemistry of coal and non-marine source rocks

Sunday, September 17  
Technical sessions, business lunch

Monday, September 18  
Technical sessions, conference dinner

Tuesday, September 19  
Technical sessions

Wednesday - Friday, September 20 - 22  
Shanxi field trip: Datong sights, Antaibao surface mine

## 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, other meetings, and field trips; sponsors research projects; provides funding for graduate students; and publishes a web site, this quarterly Newsletter, a 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. This choice may also be reversed at any time, or specific printed Newsletters may be requested.

Members are eligible for **discounted subscriptions** to the Elsevier journals *International Journal of Coal Geology* and *Review of Paleobotany and Palynology*. Subscribe by checking the box on your dues form, or using the form at [www.tsop.org](http://www.tsop.org). You will then be billed by Elsevier. Contact Paul Hackley <[phackley@usgs.gov](mailto:phackley@usgs.gov)> if you do not receive a bill or have any other problems with a subscription. For **subscription at the member rate** to **AGI's Geotimes**, see your dues form.

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

# The Society for Organic Petrology Newsletter

ISSN 0743-3816

published quarterly

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**DEAD- March Issue: March 1, 2006**

**LINES: June Issue: June 1, 2006**

Writers, Photographers and Associate Editors Needed!

### GUIDELINES:

The TSOP Newsletter welcomes contributions from members and non-members alike. Submission methods: Please do not embed graphics or photos in word processor files. Text is preferred in WordPerfect, MS Word, RTF or plain text format. Photos as slides or prints (will be returned after use) or as digital files (300 dpi preferred) without strong compression on CD-ROM or as e-mail attachments (if larger than 5 MB, please e-mail me first). Zip disks are discouraged.

Contact the Editor:

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e-mail: xid@psu.edu

### Address Changes

Please report any changes in address or contact information to:

Paul Hackley, TSOP Membership Chair  
U.S. Geological Survey  
956 National Center  
Reston, VA 20192 USA  
e-mail: phackley@usgs.gov

### Society Membership

The TSOP Newsletter (ISSN-0743-3816) 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:

<http://www.tsop.org>

For purposes of registration of the TSOP Newsletter, a permanent address is: The Society for Organic Petrology, c/o American Geological Institute, 4220 King St., Alexandria, VA 22302-1520 USA

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**Cover photos:** Scenes from TSOP 2005, Louisville.

## TSOP Dues Form Enclosed

**please pay now**

For those whose paid membership expired at the end of 2005, another personalized dues notice is enclosed with this issue. Please verify your contact information, enter the rate and years being paid (note that a discounted rate of US\$ 100 for 5 years is available) and return the payment to Mike Avery. Please pay as soon as possible.

Members may elect not to receive the printed copy of the Newsletter by marking the box on the dues form. PDF newsletter versions will be available for downloading from the TSOP web site

<http://www.tsop.org/news1.htm>

## President's Page

from Peter Warwick

Greetings to all and welcome to a new TSOP business year. I would like to also welcome Wolfgang Kalkreuth (Vice President), Jeff Quick (President-Elect), and Joe Curiale (Councilor) to the 2005-2006 TSOP Council. Mike Avery (Secretary-Treasurer), David Glick (Editor), and Tim Pratt (Councilor) will continue to serve on this year's Council. I thank all of you for contributing your time and energy to TSOP!

### 2005 TSOP Meeting, Louisville, Kentucky

Congratulations to Jim Hower, Maria Mastalerz, and all others on the local meeting committee for organizing an excellent annual meeting in Louisville. I was impressed to see such a large number of students and representatives from all around the globe in attendance. Special events, such as the student social and the Louisville Slugger Museum reception, were well received. Many commented on the high caliber of the presentations made at the meeting; I think that this is one of the better attributes of TSOP meetings.

### Notes from TSOP Council Meetings in Louisville

At the Incoming Council meeting, a new TSOP Student Advisor Committee was formed. Jennifer O'Keefe will be the Chair of the committee. The primary role of the committee is to advise the TSOP Council on student activities and to serve as a point of contact for student-related issues for the Council. Other duties include advising the Council on student activities at the annual meetings, helping to promote student membership, and advising Council on how to better reach out to the student community. Thanks to Jennifer for suggesting this idea to Council and for her willingness to serve as the chair.

TSOP is in discussions with the American Association of Petroleum Geologists (AAPG) to determine if past TSOP Annual Meeting Abstracts Volumes can be digitized and posted on AAPG's Datapages. Datapages is a fee-based internet database containing research papers and abstracts. In return, TSOP will receive digital copies of the Meeting Abstracts Volumes, which can be freely distributed to members via the TSOP web page. TSOP also will receive a portion

of the proceeds from AAPG's Datapages. I will keep you posted on the progress of these discussions.

The Council also discussed details of the upcoming 2006 Annual Meeting which will be held in Beijing, China. Professor Kuili Jin attended both Outgoing and Incoming Council meetings and provided an overview of the meeting preparations. The next TSOP annual meeting should be exciting and I look forward to seeing many of you in Beijing. Please refer to the announcements for the meeting elsewhere in this newsletter.

### 2007 ICCP-TSOP-CSCOP Meeting, Victoria, B.C., Canada, August 19 - 25, 2007

TSOP looks forward to the joint ICCP-TSOP-CSCOP meeting which will be held in Victoria, B.C., Canada, August 19-25, 2007. Lavern Stasiuk is the chair of the organizing committee. This meeting will provide a great forum for the three organizations to share ideas and to work together to expand the horizons of organic petrology.

### Interaction with the Energy Mineral Division of the American Association of Petroleum Geologists

In collaboration with the Energy Minerals Division (EMD) of the American Association of Petroleum Geologists (AAPG), Linda Stalker and Malcolm Bocking are organizing a *Coalbed Gas* technical session for the next International AAPG meeting, which will be held in Perth, Australia, November 5-8, 2006. Colin Ward (representing TSOP) has agreed to help organize this session. For more information about the proposed *Coalbed Gas* session, please contact the meeting organizers at: Linda.Stalker@csiro.au, malcolm.bocking@bacbm.com, or c.ward@unsw.edu.au, or go to the Perth meeting website (given below). In addition, Richard Sykes, Chris Boreham, and Simon George are organizing a technical session called *Oil from Coal* at the Perth meeting. More information on this proposed session can be found on the EMD website at: [http://emd.aapg.org/Callforabstracts\\_OilfromCoalv2.pdf](http://emd.aapg.org/Callforabstracts_OilfromCoalv2.pdf). The deadline for abstract submission is January 18, 2006. Information about the Perth meeting can be found at the following web address: <http://www.aapg.org/perth/index.cfm>

### Changes to the TSOP Bylaws

The TSOP Council is proposing to extend the term of office for the President and Vice President to two years (they currently hold one-year terms of office). Previous TSOP officers have expressed concern that the current one-year term of office is too short to effectively provide leadership for projects that usually last longer than a year. The proposed revisions to the Bylaws are available on the Society's website: [www.tsop.org](http://www.tsop.org). Membership approval will be by ballot which will be included in the March 2006 Newsletter.

### TSOP: An International Organization

TSOP is growing to become a more international organization. As the membership increases in non-North American members, TSOP should work harder to serve the needs of its international members. This includes fostering student research and serving as a point of contact and a source for information on organic petrology and geochemistry. Please feel free to contact me or any of the Council members if you have any comments or want to become involved in TSOP activities. We especially need volunteers from outside North America to have more input into the management of the organization. I look forward to working with you during the next year. H

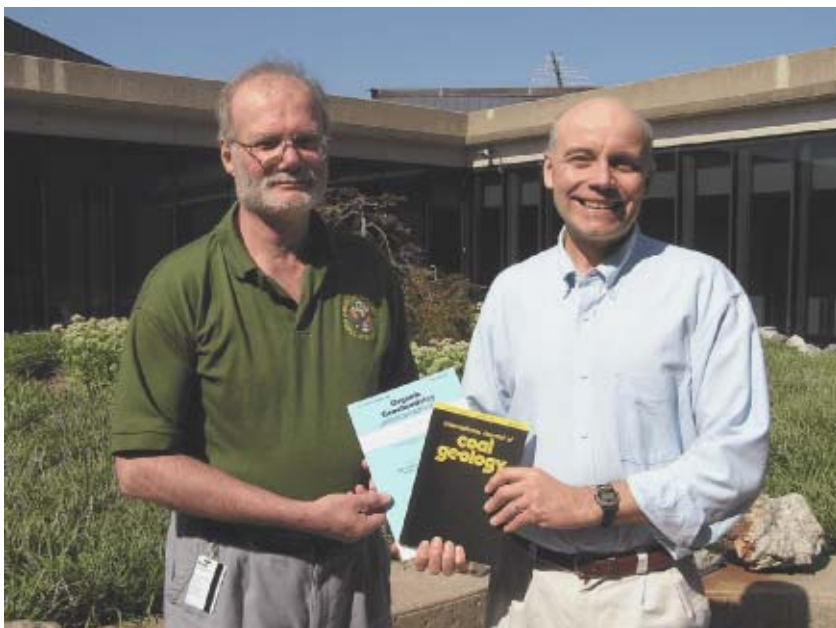
## Newsletter Issue Archive Included on Meeting CD

The meeting CD enclosed (see p. 11) with this Newsletter also includes a 261 MB PDF document of past issues of The Society for Organic Petrology Newsletter. It contains all issues of the Newsletter from its inception with volume 1 number 1, in June 1984, through volume 22 number 3, in September 2005, immediately preceding the meeting. Volume 1 included two issues, volume 2 included three issues, and volume 15 contained one issue; all other volumes have included four numbered issues (volume 11 combined numbers 3 and 4).

The PDF file includes table of contents links, which should appear in the bookmark pane on the left when the file is opened in Adobe Acrobat Viewer. Contents for each issue may be seen by clicking on the adjacent + sign to expand the list of entries. Specific words may be sought using the program's 'Find' function; no search indexes have been constructed for this version. The contents result from digital scanning and optical character recognition; there may be occasional errors, particularly where the original text was not a standard font on a white background. Some typographic errors from the original versions have been corrected. Images generally have been retained at 300 dpi for better results in printing.

The Editor is grateful to the meeting committee members for distributing this file on the meeting CD. Any problems with the file should be brought to the attention of the Editor (see page 3). PDF files of individual Newsletter issues will also be placed on the TSOP web site in the near future.

H



John SanFilipo, task leader for the USAID/USGS coal assessment and reconstruction program in Afghanistan, receiving TSOP journal donations for the Afghan Ministry of Mines and Industries from TSOP President Peter Warwick, at USGS headquarters in Reston Virginia. Paul Hackley photo.

## 57th Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP), Patras, Greece, 2005

by Maria Mastalerz

The 57th Annual Meeting of the ICCP was held in Patras, Greece, 18-23 September, 2005. The Organizing Committee included Prof. Dr. Kimon Christanis, University of Patras, Prof. Dr. Prodromos Antoniadis, National Technical University of Athens, Prof. Dr. Andreas Georgakopoulos, University of Thessaloniki, Dr. Cassiani Papanicolaou, Institute of Geology and Mineral Resources, and Dr. Stefanos Papazosimou, Dr. Antonis Bouzinos, and Mr. Stavros Kalaitzidis, University of Patras.

The conference opened with welcoming speeches by Dr. Kimon Christanis, Chairman of the Organizing Committee, the representative of the Greek Ministry of Development and the Greek Institute of Geology and Mineral Exploration. These were followed by presentations on lignite-related activities in Greece by C. Kavouridis, General Director of Mines Division of Public Power Corporation, and on oil, gas and coal reserves and demands throughout the world by A. E. Foscolos, from Technical University of Crete and Emeritus Research Scientist of Geological Survey of Canada - Calgary. After this opening session, ICCP held its opening plenary session that included, among other issues, information about future meetings, Indonesia, 2006, Victoria, Canada, 2007, and Oviedo, Spain in 2008. Of special interest to TSOP members is that 2007 Victoria and 2008 Oviedo are joint ICCP/TSOP meetings.

Progress reports of the ICCP working groups were presented on September 19, 20, 22, and 23. Chairs of each of the three ICCP Commissions introduced their working groups, and



Fariborz Goodarzi accepts the Thiessen Medal from Alan Cook, President of ICCP, and Petra David, General Secretary of ICCP.



Participants of the ICCP meeting in Delphi, one of the most visited archeological sites, the ancient center of worship for the god Apollo, son of Zeus.

the convenors presented progress reports. Numerous posters were on display during the whole conference. The closing plenary session of the General Assembly on Friday, September 23, included a heated discussion of the need, advantages, and disadvantages of the ICCP registration and other ICCP-related items. One of the highlights of this ICCP meeting was a presentation of the Thiessen Medal. This medal is awarded to a scientist for important contributions in the field of organic petrology and this year's recipient of the Thiessen Medal was Dr. Fariborz Goodarzi (photo on page 6).

Social activities of the conference included an icebreaker reception on Sunday, September 12, a bus tour on Wednesday, September 21 to Delphi, archeological site and museum, and Vagonetto bauxite underground mine turned into a tourist attraction and the conference banquet on Thursday, September 22. A two-day excursion to Megalopolis Mines and Olympia, archeological site and museum, preceded the meeting.

This year, over eighty participants from many countries worldwide attended the ICCP meeting. All the technical and social events demonstrated excellent organization and outstanding Greek hospitality, which, together with the beauty and the mysticism of Greece, made this visit unforgettable to many.

For more information about this ICCP meetings and ICCP activity in general, please visit the ICCP Web page [www.iccop.org](http://www.iccop.org).

Visit the ICCP Web Site at  
[www.iccop.org](http://www.iccop.org)

The November 2005 ICCP News, available on the web site, includes:

- extensive Commission and Council minutes
- Dr. Fariborz Goodarzi receives Thiessen Medal
- Dr. Barbara Kweicinska receives Honorary Membership
- Dr. Kathy Benfell receives Young Scientist Award
- Memorial to Dr. Martin Reinhardt
- future meeting schedule

## ISO NEWS

by Paul Hackley

A group of ICCP members met on September 19th, 2005, to discuss revisions to ISO 7404 (Methods for the petrographic analysis of bituminous coal and anthracite). The meeting was held at the Conference and Cultural Center, University of Patras, Greece, during the 57th Annual Meeting of the ICCP. In attendance were Harold Read (convener), Walter Pickel (both of Coal and Organic Petrology Services Pty. Ltd., Australia), Deolinda Flores (Univ. of Porto, Portugal), Dave Pearson (Pearson Coal Petrography, Canada), Alan Cook (Keiraville Konsultants Pty. Ltd., Australia), and Paul Hackley (U.S. Geological Survey, USA). The major topic of discussion was expansion of the standard to cover lignites, which are increasingly traded in the international market. Extensive revisions to Part 2 (sample preparation) have been completed to incorporate the current commercial laboratory practice of preparing coal briquettes via heat-setting thermoplastic powders, and the inclusion of polyester resins. Revisions to Part 3 (determining maceral group composition) included references to the automated and semi-automated methods of digital petrographic analysis which are now being used in many laboratories around the world. Comment on ISO 7404 was thrown open to the ICCP General Assembly on September 22nd during presentations of the revisions, and draft standards were made available to interested members for further comment. Final drafts are expected to be submitted to the ISO Secretary by the end of 2005.

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## TSOP Publications News

Please note that TSOP's last copy of TSOP Publication #19, Int. J. Coal Geol. Special Issue: Appalachian Coalbed Methane, Vol. 38, Nos. 1-2, 1998, has been sold. The publications list and order form on the web site at [www.tsop.org/tsoppubs.htm](http://www.tsop.org/tsoppubs.htm) will soon be updated to reflect the new status.

H

## 2006 TSOP Meeting Beijing, China September 15 - 22

The 23rd Annual Meeting of TSOP will be held at the Xijiao Hotel, in the western part of Beijing. It is adjacent to many universities, including China University of Mining and Technology (Beijing) (CUMT), which will be the host organization and sponsor the meeting.

For additional information, see

• Meeting web site:

<http://www.cumtb.edu.cn/frameset/tsop/index.htm>

### Key Conference Themes

1. Organic petrology and geochemistry of non-marine source rocks;
2. Coal-derived hydrocarbons (coal-derived oil, unconventional natural gas and coalbed methane) exploration and development;
3. Coal petrology, coal-measure sedimentology and the hazardous elements in coal related to the environment and human health;
4. Organic petrology in coal mine security and coal utilization: mine fire, gas burst, coal slurry and other less-conventional utilization technologies;
5. New techniques in organic petrology/geochemistry.

### CALL FOR PAPERS

**Abstracts should be submitted by  
April 30, 2006.**

An abstract of up to 3 pages (including figures) will be accepted. Leave 2 cm margins on both sides; use 1.5 line spacing and a 12-point Times New Roman font. The title of each abstract should be in 12-point bold and include names of the authors (12-point) and their affiliations (10-point). Figures in Abstracts should be suitable for black and white reproduction; colour figures may be acceptable (at additional cost) in full-length papers subsequently submitted to the International Journal of Coal Geology. After review and notification of acceptance authors will also be invited to submit their papers for a special issue of the International Journal of Coal Geology.

Abstracts may be submitted by post or e-mail (Word, WordPerfect). Please enclose a copy of your abstract on a diskette/CD if submitting by post.

Indicate whether an oral or poster presentation is preferred. **Abstracts should be sent to:**

Prof. Kuili Jin

Key Laboratory of Coal Resources

China University of Mining and Technology (Beijing)

D-11, Xueyuan Road

Beijing, 100083 CHINA

Telephone: 86-10-62331854-8001

Fax: 86-10-62318122

E-mail: [tsop2006@mail.edu.cn](mailto:tsop2006@mail.edu.cn)

### Oral Presentations

The oral presentations are scheduled for 25 minutes, including five minutes for questions. PowerPoint presentations are to be provided on CD or sent to the Program Secretariat by e-mail prior to the meeting, for loading on to the conference computers. Facilities for slide and overhead projection will also be available for the presentations.

### Poster guidelines

Each presenter will get ONE poster board (approximately 2.4 m by 1.2 m or 8 ft by 4 ft) to display their poster. Posters are to be put up for display by Tuesday morning. Please bring some Velcro and/or push pins.

### Student Paper Competition

TSOP will hold its usual competition for Outstanding Student Paper at the meeting, with a 250 USD prize. The paper may be presented either in an oral technical session or as a poster, and will be judged on both technical content and presentation/delivery. Requirements (from the Procedures Manual) are:

- a. The student should be a TSOP member in good standing.
- b. The subject presented must have been initiated by the student and completed while the presenter was a student.
- c. To be considered a student, a person should be actively enrolled at a college or university at the time of the presentation or have been enrolled within twelve months prior to the presentation. The student should be pursuing a college or university degree as his/her primary professional activity and not working in a professional capacity while pursuing a graduate degree at the same time.

- d. If a paper has multiple authors, the student must be the senior author and the presenter.
- e. The award will not be given unless a minimum of three students enters the competition. If none of the student papers meets a minimum standard, as determined by the Awards Committee, no award may be given.

### MEETING VENUE/ACCOMMODATION

Xiaojiao Hotel is a nice hotel with 3/4 star ranking. It has excellent conference facilities, and it has hosted many international meetings.

Address: 18 Wangzhuang Road, Beijing, China 100083.

Telephone: 86-10-62322288

Fax: 86-10-62311142 Website: xijiao-hotel.com.cn

The Xijiao Hotel is a prime choice because it is located in the western part of Beijing, adjacent to many Universities, including China University of Mining and Technology, China University of Geosciences, Beijing University of Science and Technology, Research Institutes of Petroleum Exploration and Development, and other institutions. It is fairly close to Peking University, Tsinghua University, and scenic places like Summer Palace and Fragrant Hill. It is also convenient to get to Downtown Beijing, and to the Great Wall, Palace Museum and Peking Man site. This area is fairly close to Zhongguangcun, dubbed the Silicon Valley of Beijing.

Special conference rates (currency-1 USD = 8.1RMB)

¥ 700 per night for 4-star ranking rooms (one bed for individual or a couple)

¥ 300/260 per night for 3-star ranking standard rooms

Free of charge for swimming, no service charge or tip.

¥ 40 per full buffet breakfast for individual if ordered.



Antaibao Coal Mine at Pingshuo is China's largest high quality thermal coal surface mine. On the post-meeting field trip, we will examine the Permo-Carboniferous coal-bearing strata.



Western Hills of Beijing



Key Laboratory of Coal Resources, CUMTB, Ministry of Education.

**Method of payment:** No credit cards are accepted. Bank transfers should be addressed to our University (our university passes this money in full on to Xijiao Hotel), or, pay at the hotel reception desk.

Account Name: Key Laboratory of Coal Resources, China University of Mining and Technology (Beijing).

Account Number: 816614970408091001

Bank: Bank of China, Beijing Branch, NO.8, YA BAO LU, Beijing, China

Swift Code: BKCHCNBJ110

Other accommodations:

Guest House of CUMTB

Jinma Spring Hotel:

E-mail: zndjm@andjm.com

Fax: 86-10-62328808

Telephone: 86-10-62328899

Mengxi Hotel:

E-mail: bjskhyfwzx@163.com

Fax: 86-10-62092159

Telephone: 86-10-62325588 H

## 22<sup>nd</sup> Annual TSOP meeting 11-15 September 2005 Louisville, Kentucky



### Note from the organizers

The 2005 TSOP meeting, hosted by Maria Mastalerz and Jim Hower, was held in Louisville, Kentucky, marking the fifth time that TSOP

has met in Kentucky or Indiana. The attendees enjoyed a pre-meeting short course on CO<sub>2</sub> sequestration, a pre-meeting field trip to the Falls of the Ohio, and a post-meeting trip to the Western Kentucky coalfield (photographs, p. 20). They also participated in two days of technical sessions, featuring about 60 oral and poster presentations.

Of the 75 people attending the meeting, over a third were students and a third were from outside the U.S.



Reception at the Louisville Slugger Museum.



TSOP's first student icebreaker was a bowling party held at Lucky Strike Lanes.

Both are gratifying numbers. The large number of students, both local (Indiana, Illinois, and Kentucky) and international, speak well for the future of the society. The student activity committee, chaired by Jen O'Keefe and Sarah Mardon, organized a Sunday evening event specifically for students. We hope that this is the start of a new TSOP tradition because we believe that it is important for the youngest members of TSOP to know each other and to have a sense of the community of the science, without the interference of those of us long established in the discipline. The international participation reinforced the notion that TSOP has taken the step to be a truly international organization. This, and also the fact that this year's meeting is the only meeting in the US within a five-year period, testifies that TSOP is now well established on the international stage.

We look forward to participating in the 2006 meeting in Beijing.



Agnieszka Drobnik provided extensive computer support for the technical sessions.



Enjoying the icebreaker at The Brown hotel.

### Meeting CD-ROM

The compact disc enclosed with this issue contains a PDF file of the Program and Abstracts for the meeting, with color illustrations in some abstracts.

An extensive collection of photographs contributed by members and the organizers is organized into 12 categories of JPG format files.

The CD also includes a PDF file of past TSOP Newsletters (see page 5).

### Castaño Award Winners

2005 John Castaño Honorary Membership Award winner Aureal Cross received his award at the Business Lunch. 2004 winner Jack Burgess, who had not been present at the 2004 Sydney meeting, was also recognized.

### Meeting Award Winners

Saikat Mazumder won the Best Student Paper Award. He had to leave before the award was announced, so he was not available for a photograph.

Sarah de la Rue won the Best Student Poster Award for *Quantitative assessment of particulate organic matter and geochemical changes in the Upper Devonian New Albany Shale source rock (Indiana)*, co-authored with S. M. Rimmer and H. D. Rowe.



TSOP Councilor Zhongsheng Li won the Farthest Traveled Award.

### Sarah Hawkins Receives Spackman Award



Sarah Hawkins receives the 2005 Spackman Award from TSOP President Colin Ward.

The 2005 recipient of the William Spackman Student Research Award is Sarah Hawkins, a Master's degree student from the University of Kentucky, Lexington. Ms. Hawkins' research topic is: The role of terrestrial organic matter in the Late Devonian-Early Mississippian

Appalachian marine basin: Implications for the expansion of land plants, paleo-atmospheric oxygen levels and organic-rich black shale accumulation.

### Peter Hacquebard Remembered at Meeting

Longtime Geological Survey of Canada coal scientist Dr. Peter Hacquebard died September 7, 2005. Born April 9, 1918, he was 87 years of age. In 1995, he had been the fourth recipient of TSOP's Castaño Honorary Membership Award. His colleague Mike Avery provided insights into his life and work in a brief presentation at the Business Lunch. Items are solicited for a memorial article in the next Newsletter and on the web site.



Sarah de la Rue receives her award from Maria Mastalerz.



Mike Avery presents memories of Peter Hacquebard.

## Distinguished Service Awards

*The three recipients of the award for 2005 were honored at the Annual Meeting. - Editor*

### MaryAnn L. Malinconico



As Outreach Committee Chair from 1993 to 2005, MaryAnn's efforts to enlist many corporations as Industrial Supporters of TSOP brought in a significant portion of the society's income. Persistence and extensive correspondence with TSOP members and non-members were required to achieve this success. She arranged with a long list

of societies and journals for much of the publicity for TSOP and its meetings; created, organized and staffed display booths at meetings; and distributed the promotional pens, candies, screen sweeps, etc., which put TSOP's name in front of many eyes. She served as Councilor for two years, served on the Internet Committee and student paper award committees, and has also stepped forward to represent TSOP in other capacities.

### Renee L. Klinger



As Secretary-Treasurer from 1989-1992, Renee encouraged planning for our financial future, and continued the development of a bookkeeping system which would serve TSOP well for many years. She undertook the lengthy paperwork process which

established TSOP as a non-profit society for United States tax purposes. Renee then advanced to the offices of Vice-President, President-Elect and President; other service included distribution of TSOP's publications, helping to start the TSOP Archives and the TSOP Procedures Manual, and supporting the establishment of student research grants. Her notable enthusiasm and dedication to meeting the responsibilities of these offices, at a critical time during TSOP's development, encouraged the same in others and promoted a positive impression of TSOP.

### James C. Hower



Jim chaired or co-chaired TSOP's 1986, 1991, 1997 (with the Eastern Section of AAPG), and 2005 annual meetings in Kentucky, served on the organizing committee for the 1992 TSOP/ICCP meeting in Pennsylvania, and organized meeting sessions in collaboration with other societies, including AAPG-EMD in 1996 and Southeastern GSA in 1998. He arranged for TSOP to be an Associated Society of the AAPG. TSOP has also benefited from his expediting cooperation with ICOP, ACS, EAOG and Elsevier, and his support of students entering our field. In addition to service as Vice-President, President-Elect and President, he contributed notable effort in the chairmanship of the annual meeting advisory committee; publications-related duties including those for the Coal Atlas CD-ROM and the 1987 and 1988 annual meeting proceedings volumes, in addition to those from his own meetings; several years on the Research Committee including the 1989-1990 chairmanship; and writing newsletter contributions such as articles on historical coal petrologists. H

## **GSA Coal Division's Medlin Scholarship in Coal Geology**

The Geological Society of America's Coal Geology Division is accepting applications for a scholarship award and a field study award worth approximately US\$ 2,000 and 1,500 respectively. The scholarship provides full-time students who are involved in research in coal geology (origin, occurrence, geologic characteristics, or economic implications of coal and associated rocks) with financial support for their project for one year. Scholarship funding can be used for field or laboratory expenses, sample analyses, instrumentation, supplies, or other expenses essential to the successful completion of the research project. Applications (proposal and letter of recommendation) must arrive no later than Feb. 15, 2006. See GSA Today, Dec. 2005 (v. 15 no. 12), p. 35 (also available at <http://www.gsajournals.org/gsaonline/?request=get-current-toc&issn=1052-5173>).

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## **TSOP's William Spackman Student Research Award Applications**

Please watch the TSOP web site for upcoming information on the deadline and application forms for the 2006 grants: <http://www.tsop.org/grants.htm>

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## **Geochemical Transactions Becomes Open Access Journal**

by Ken B. Anderson  
On behalf of the Editors

For those of you who may not have received this information via other routes, this message is to inform you that as of January 1st 2006, Geochemical Transactions (GT) the electronic journal sponsored by the ACS Division of Geochemistry, will be published as an Open Access publication, ensuring unlimited access to all work published in the journal. Papers

previously published in GT will also be made freely available beginning January 1st 2006\*.

Submission of articles for publication in this format is now open.

To accomplish this transition, GT has moved to a new publisher and the home page for the journal is now located at [www.geochemicaltransactions.com](http://www.geochemicaltransactions.com)

The scope and editorial policies of the journal have not changed. GT will continue to be a medium for the rapid publication of high quality work in all areas of the chemical earth sciences. GT currently has an ISI impact factor of 1.94, ranking it third among all geochemistry-related journals. Work published in GT is abstracted by Chemical abstracts, GeoRef, and will now also be listed in PubMed. GT will also continue to take advantage of the full potential of on-line publishing and encourages authors to use full color images, animations, and other web enhanced elements consistent with full and effective communication of modern scientific information.

Open Access publishing provides authors with the assurance that their work will be as widely available as possible (freely available to anyone with access to the Internet). To achieve this, and to still cover the costs associated with publication and archiving of materials, authors are asked to pay a one time article processing charge. Numerous funding agencies in many countries now specifically allow grant funds to be used to cover this cost. (see [www.biomedcentral.com/info/about/apcfaq#whicharticletypes](http://www.biomedcentral.com/info/about/apcfaq#whicharticletypes)). This charge is waived for authors affiliated with institutional supporters of open access publishing, which includes many major universities, research institutions, and corporations. For a list of institutional subscribers see [www.biomedcentral.com/inst/](http://www.biomedcentral.com/inst/). Papers submitted by authors from any of these institutions/organizations pay nothing to publish their work in open access format. Article processing charges can also be waived in special situations, on a case-by-case basis

\* Existing articles will be freely available from the present publisher ([www.GT.AIP.org](http://www.GT.AIP.org)) beginning 1/1/06, and will be transferred to the new site over the next few months. Once the transfer of existing articles is complete, all previously published and future articles will be available through a single portal, [www.GeochemicalTransactions.com](http://www.GeochemicalTransactions.com)

## In Memoriam

### Hugh J. O'Donnell (1910-2004) Pioneer in coal petrography

Paul C. Lyons and Aureal T. Cross  
November 2005

Hugh J. O'Donnell was Reinhardt Thiessen's assistant at the U.S. Bureau of Mines in Pittsburgh, Pennsylvania, and served along with Thiessen's other assistant, George C. Sprunk. A 1937 classic photograph of the three of them at the Bureau is shown. Sprunk did his master's thesis on the chemistry of peat at the Carnegie Institute of Technology in Pittsburgh under Thiessen's supervision. Hugh J. O'Donnell spent his entire 42-year career at the U.S. Bureau of Mines, nine years as Thiessen's assistant. After Thiessen's death in January 1938, he continued Thiessen's research on the optical, chemical, and technological properties of coal under the supervision of chemist-microscopist Sprunk. After Sprunk left the Bureau in 1943, paleobotanist-coal geologist James M. Schopf became O'Donnell's supervisor. During the years of World War II, from 1942-1944, Aureal T. Cross worked with O'Donnell and Schopf as a National Research Council Fellow in Geology. Together they worked on a myriad of projects relating to the chemical and technological properties of coal and finding coking coal resources at new localities in central and western United States to supply steel mills for the war effort.

O'Donnell was particularly known for perfecting the thin-section coal technique and for making large thin sections that were vital to understanding the botanical origin and properties of American coals using transmitted-light microscopy. He trained Marlies Teichmüller early in her career on thin-section preparation during her studies at the U.S. Bureau of Mines, from January to April 1938.

Hugh started working as Thiessen's assistant at the U.S. Bureau of Mines in 1929 when he was only 19 years old. He quickly improved and mastered the coal thin-section technique and became a coal microscopist in his own right. He made thousands of coal thin-sections (O'Donnell's monument" as someone called them) that are now part of the collections at the

U.S. National Museum (see "The Reinhardt Thiessen Coal Thin-Section Slide Collection of the U.S. Geological Survey-catalog and notes" by J.M. Schopf and O.G. Oftedahl, U.S. Geol. Surv. Bull. 1432, 1976).

Hugh O'Donnell was the coauthor of about 20 publications. O'Donnell's first publication, which was coauthored with Thiessen and Sprunk, was "Microscopic study of Elkhorn coal bed at Jenkins, Letcher, Ky" (1931, U.S. Bureau of Mines Technical Paper 506). This was the coal that Marlies Teichmüller analyzed further for her doctoral thesis (1941), a comparison of transmitted- and reflected-light coal microscopy, which was a landmark petrologic work. Significantly, O'Donnell was coauthor of "What is coal?" (1936-37, Appalachian Coal Fuel Engrs. Proc.; reprinted in 1947, U.S. Bureau of Mines Intern. Circ. 7397). This work became the 'bible' of Marlies Teichmüller, a pioneering genetic coal petrologist in her own right. O'Donnell was a coauthor with Sprunk of "Preparation of thin sections of coal" (1938, U.S. Bureau of Mines Info. Circ. 7021). Two other significant publications are 1940, Sprunk, G.C., Ode, W.H., Selvig, W. A and "Sprint coals of the Appalachian Region: Their occurrence, petrography, and physical properties with associated bright coals" and Sprunk, G.C., and O'Donnell, H.J., "Mineral Matter in Coal": (1942, U.S. Bur Mines Info. Circ. 648). "Determination of petrographic components of coal by examination of thin sections (with discussion" (1949, Am. Inst. Mining Eng. Trans.) by B. C. Parks and H. J. O'Donnell was also a notable contribution. He was also a coauthor with Parks of "American lignites: geological occurrence, petrographic composition, and extractable waxes" (1950). "Petrography of American coal" (1956, U.S. Bureau of Mines Bull. 550) by B.C. Parks and H. J. O'Donnell was the most comprehensive report of its time on the petrographic and chemical properties of American coals. He was a major contributor to another classic, "Mineral matter in coal" (1952, 2nd Conf. On the Origin and Constitution of Coal, Crystal Cliffs, Nova Scotia) by B.C. Parks. "X-ray scattering intensities of anthracites and meta-anthracites" (Fuel, 1962), which was coauthored by H. J. O'Donnell, M. Mentser and S. Ergun, and "Ultrafine structures in coal components as revealed by electron microscopy" (1964, Coal Science,

Am. Chem. Soc.) coauthored with J. McCartney and S. Ergunare are two of O'Donnell's last publications.

Hugh J. O'Donnell was awarded the War Service Certificate in December 1943, as well as the U. S. Department of the Interior's second highest award, the Meritorious Service Award, in December 1966. He retired from the U.S. Bureau of Mines in the middle 1970s. This was continuous service except for a brief layoff during the Great Depression between 1932 and 1933.

When one of the coauthors of this memorial (PCL) visited Hugh O'Donnell (photo) at his home in Pittsburgh, Pennsylvania, in September 2000, the same



Hugh J. O'Donnell, next to Paul C. Lyons, at his home in Pittsburgh, Pennsylvania, holding the polished block of the Elkhorn coal that he prepared in 1929 at the U.S. Bureau of Mines when he first started working for Reinhardt Thiessen. Photograph by Dorothy O'Donnell, September 2000.



From left to right: Hugh J. O'Donnell, Reinhardt Thiessen, and George C. Sprunk. Taken at the U.S. Bureau of Mines, Pittsburgh, Pennsylvania, June 1937. Courtesy of Hugh J. O'Donnell.

city where he lived and worked all his life, he was most cordial, as was his wife, Dorothy. I took a number of photos of Hugh and Dorothy. He had a remarkable memory and could tell of incidents at the Bureau for hours. He knew Thiessen Medallist Gilbert H. Cady of the Illinois State Geological Survey and also several coal petrologists and technologists who came from England and South Africa to study under Thiessen.

At the time of his death, Hugh was 94 years old. His lovely wife, Dorothy, and his family will sorely miss him. He and Dorothy were the perfect couple. They had a wonderful life together.

A pioneer in coal petrology is gone. He was the last link to Reinhardt Thiessen for whom the ICCP's Thiessen Award is named.

Further reading: "Reinhardt Thiessen (1867-1938): Pioneering coal petrologist and stratigraphic palynologist" by P. C. Lyons and Marlies Teichmüller (1995, *Geol. Soc. Am. Memoir 185*, Edited by P.C. Lyons, E.D. Morey, and R.H. Wagner). H

## Carboniferous fern flavonoids: a first test case

Submitted by Dr. E.L. Zodrow

Lori Lee Jessome's B.Sc. honors thesis, 2004, Cape Breton University, Sydney, Nova Scotia, **The Search For Flavonoids in Fossil Ferns Using Various Extraction Methods and Gas Chromatography/Mass Spectroscopy**, received recognition for its quality and was awarded for such in the Analytical Chemistry Division of the 2004 APICS-CIC Student Chemistry Conference at St. Mary's University, Halifax Nova Scotia, May 13-15, 2004.

Molecular palaeobotany is being introduced as a new research tool for Carboniferous flora, particularly in connection with probing for secondary metabolites in compression-fern flora. These molecules, basic to terrestrial vascular plants, are represented by double benzene rings linked through a heterocyclic pyran or pyrone (with a double bond), known as flavonoids. As a group, they contain more than 6,000 molecular structures, and are assumed to have been around for the last billion years. The experimental strategy is therefore, first of all, to confirm the presence of the flavonoid structure in a rapidly evolving successive terrestrial flora of arborescent pteridosperms-ferns (Pennsylvanian age), set in an already well-established Carboniferous ecosystem. Secondly, of great fern-phylogenetic interest is the sugar-flavonoid subgroup (glycosides), as three distinct sugar flavonoids have been shown to be genus-specific for extant tropical marattialeans, and have not been found in any other terrestrial-plant group. Thus, a chemotaxonomic tool is in the offing that is independent of the cladistic approach, and the traditional study of comparative reproductive structure to confirm Carboniferous ancestry with the extant marattialean ferns that are deemed the most primitive of ferns living today.

Selected for testing are specimens representing the well-known Carboniferous marattialean *Pecopteris arborescens* (Schlotheim) ex Sternberg (sterile foliage). Also test-included is the Carboniferous pteridosperm foliage *Alethopteris zeilleri* (Ragot) Wagner and associate ovulate structure, *Pachytesta incrassata* Brongniart, because it is known that flavonoids play a decisive role in seed pollination today

The samples originated from the late Pennsylvanian Sydney Coalfield, Nova Scotia, Canada, and are entombed in fresh and unaltered grey shale. The rock

is known for its low to moderate diagenetic history, absence of tectonic deformation, and moderate post-coalification thermal history to inspire confidence that original molecular structures are preserved in the coalified compressions that represent part of the once-living plants. Both compressions and prepared cuticles were analyzed, excepting the ovule from which only the coalified layer was used.

Numerous different extraction protocols, including solvent-solvent extraction, sonication and soxhlet extractions were employed in this study. Based on the ability to extract flavonoid-like compounds, the best-suited extraction method was found to be several hours of soxhlet extraction using a solvent system of benzene:methanol 3 to 1. Soxhlet extraction is a method, which involves the use of a porous thimble that holds the solid sample. Glass thimbles were used in order to circumvent cellulose contamination by traditionally used thimbles. The thimble is placed in an extraction chamber, which is suspended above a flask containing a boiling solvent and below a condenser. The condensing solvent repeatedly fills the sample containing thimble and then drains back into the boiling flask, therein continuously extracting the sample and resulting in a concentrated extract. The resultant extract is then rotary evaporated down to about 1mL. And to further concentrate the extracts they are blown down using ultra high purity (UHP) grade nitrogen gas from a volume of about 1.0mL to approximately 100  $\mu$ L.

The extractions were then analyzed by gas chromatography, coupled with a mass spectrometer, with optimized temperature gradient and source parameters. A tandem mass spectrometer was used to confirm the structural identity of compounds present in the extracts by observing daughter molecules from ionization reactions of specific molecules.

Results are unequivocal that the flavonoid structure, or even fragments thereof, is absent in the *P. arborescens* samples. Of the several possible explanations, the one relating to sample bias, i.e., in terms of localized unfavorable preservation coupled with insufficient sample numbers of marattialean species, is probably the most encouraging basis for pursuing future studies. A remote possibility is that only precursor flavonoids were present 300 Ma, unknown to us structurally at this juncture. This is in the face of the discovery of a compound in the

pteridosperm foliage *A. zeilleri* (Ragot), that although not in the double-benzene ring form has many commonalities to flavonoid compounds, such as its molecular weight and carbon to oxygen ratio. The GC/MS analysis of a standard flavanone reveals that GC/MS is a suitable instrument to detect and analyze flavonoids, thus fracturing of the flavonoid structure would have occurred preanalysis. Possibly, the flavonoids could have degraded due to the heat and pressure they experienced over the hundreds of millions of years that the ferns have been in the ground resulting in the fractured-flavonoid-like compounds presently discovered in the pteridosperm foliage.

The significance for the pteridosperms remains to be confirmed, but points to a very interesting development involving phytochemical tracing of the primitive flowering plants.

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### Organic Geochemist, Basin Modeller Positions at GNS Science (New Zealand)

from Richard Sykes

The Institute of Geological and Nuclear Sciences Ltd (GNS) is a Crown Research Institute (CRI) owned by the New Zealand Government and is New Zealand's largest geological science organisation.

We are seeking an Organic Geochemist with a postgraduate degree in organic geochemistry, preferably with post-doc experience, to join the Hydrocarbons Team. The Organic Geochemist will conduct geochemical research and provide consultancy services to our clients in the petroleum industry.

We are also seeking a Basin Modeller with a postgraduate degree in geology, geophysics, mathematics or related sciences, to join the Hydrocarbons Team. The Basin Modeller will undertake research and provide consultancy services in modelling petroleum systems.

Further information on GNS, either of these positions and an application form can be obtained from [www.gns.cri.nz](http://www.gns.cri.nz) or by phoning Marilyn Mence on +644 570 4759. Closing date 27th January 2006. H

## AGI Relaunches *GeoSpectrum*; TSOP Contributes

From AGI press release

*TSOP is a Member Society of AGI.  
Items from TSOP are included in  
each issue of GeoSpectrum. - Editor.*

The American Geological Institute (AGI) in Alexandria, Virginia, announces the relaunch of *GeoSpectrum*. Formerly a newsletter about the activities of the Institute, *GeoSpectrum* now has been revamped into a quarterly electronic magazine (e-zine) with a new design, new medium and new purpose – to cover news and information about the geoscience profession.

The new *GeoSpectrum* will be an outlet for AGI's Member Societies to share information with each other and the entire geoscience community. The goal of *GeoSpectrum* is to build a network among geoscience professionals - combining numerous backgrounds and varied specialties to work towards shared information and goals, something that is beneficial to us all.

The current issue of the new *GeoSpectrum* covers a diverse range of topics including a new exhibit at the Museum of the Earth in Ithaca, NY, a new website to encourage school-age girls to pursue careers as scientists, and a new endeavor to provide libraries with current lists of relevant geoscience publications. You will also find Member Society information, award winners, meeting recaps and the GeoCalendar, listing meetings, conferences, and events sponsored by various organizations and societies.

You can download either screen-optimized or print-quality PDFs of *GeoSpectrum* at <http://www.agiweb.org/geospectrum>. You can also subscribe on the website for automatic email delivery of future issues via email, or for notices about new issues being available.

This publication will be key for those interested in the happenings within the geoscience profession. If you have an article or information that you would like to submit to the magazine, please contact [geospectrum@agiweb.org](mailto:geospectrum@agiweb.org). H

**CALL FOR PAPERS:****Oil degradation -  
from bad news to good news.**

Oil quality deterioration, bioremediation,  
and oil-fuelled biogenic methane production

from the conveners  
Christian Ostertag-Henning, Heinz Wilkes,  
Martin Krueger

We invite your participation in Session ERE7 at the next European Geosciences Union General Assembly that will be held in Vienna, April 2-7 April 2006. The EGU is promoting the branch ERE - energy, resources and the environment - as additional programme section.

This session aims at a variety of aspects of oil degradation. The degradation processes are not limited to biodegradation but include abiotic processes such as thermochemical sulfate reduction as well. The degradation of oil in reservoirs is a widespread process with a broad range of economic and ecological consequences, and has been a focus of intense research for a long time. Recent findings, like the discovery of a deep living biosphere and of the potential of anaerobic microorganisms to degrade hydrocarbons lead to a renewed interest from both the exploration industry and researchers in this field. Contributions dealing with a broad variety of related topics, including microbial or abiotic oil degradation, biogenic degradation of oil spills in the environment, and the biogenic conversion of (residual) hydrocarbons to methane as an alternative possibility to enhance the recovery of fossil fuels are invited. We hope to put together a broad and comprehensive session covering the most important aspects of this fascinating area of research. Depending on the number of submitted papers the session will be split in different blocks focussed on one of the subtopics.

The deadline for submission of abstracts is **January 13, 2005**. However, people seeking travel support need to submit their application (and abstract) no

later than December 9, 2005. For further information regarding this point, see the web page [http://meetings.copernicus.org/egu2006/financial\\_support.html](http://meetings.copernicus.org/egu2006/financial_support.html)

All information regarding this meeting may be found on the web site <http://meetings.copernicus.org/egu2006/>

Information regarding session ERE 7 is found at [http://www.cosis.net/members/meetings/sessions/information.php?p\\_id=190&s\\_id=3654&PHPSESSID=31763198cb1d087093e1cb93ac15298cn](http://www.cosis.net/members/meetings/sessions/information.php?p_id=190&s_id=3654&PHPSESSID=31763198cb1d087093e1cb93ac15298cn)



## AAPG Session: Oil from Coal Perth, Australia, 5-8th November 2006

The goal of this session is to bring together researchers and explorationists who are working on new paradigms and technologies to explain and model oil generation and expulsion from coaly source rocks. Particular topics of interest include (but are not restricted to):

- Palaeobotanical and facies controls on oil potential of coaly sediments
- Maturation of coaly kerogen
- Coal-to-petroleum kinetics (bulk and compositional)
- Coaly source rock expulsion models
- Mapping and modelling subsurface distribution and quality of coaly facies
- Composition and phase behaviour of coal-sourced oil
- Oil-coal correlation

We welcome oral and poster presentations of field, laboratory and theoretical based studies. Please forward provisional 1-page abstracts by 30 November 2005 to one or all of the session co-chairs, indicating whether oral or poster presentation is preferred. The deadline for final submission of accepted abstracts is 18 January 2006.

**Session co-chairs:**

**Richard Sykes**, Institute of Geological & Nuclear Sciences, Lower Hutt, New Zealand  
[r.sykes@gns.cri.nz](mailto:r.sykes@gns.cri.nz)

**Chris Boreham**, Geoscience Australia, Canberra, Australia: [chris.boreham@ga.gov.au](mailto:chris.boreham@ga.gov.au)

**Simon George**, CSIRO Petroleum, Sydney, Australia: [Simon.George@csiro.au](mailto:Simon.George@csiro.au)

*Oil from Coal*

Coaly source rocks – specifically humic coals and coaly mudstones – are fundamentally different to marine and lacustrine source rocks in the nature and heterogeneity of their organic matter, its mode of preservation and its maturation and liquid expulsion characteristics. Moreover, the science of coaly source rocks is far less advanced than that of marine and lacustrine rocks, arguably because it is more complex and the upstream petroleum industry has hitherto devoted less research to coals owing to their perceived relative lack of liquids potential. The last major review of oil from coal (Wilkins and George 2002) indicated many challenges still need to be met before coals can be universally accepted as sources of liquid petroleum. However, recent advances in, among other things, understanding controls on facies development and its impact on the paraffinic oil potential of coals, modelling oil expulsion from coals, and kinetics techniques hold much promise for better prediction of phase distribution in terrestrially-sourced basins. The SE Asian-Australasian region, in particular, contains numerous, strategically important terrestrially-sourced basins, some of which have already produced prolific amounts of oil, and others which have the potential to do so in future. The full realization of this potential will require not only continued advancement in understanding and characterising the fundamental processes of oil generation and expulsion from coaly source rocks, but also their successful incorporation into basin- and prospect-scale petroleum systems models.

## Calendar of Events

### 2006

Feb. 24 - 26, 2006: ASLO-AGU Ocean Science meeting, Honolulu, Hawaii, USA. Including OS084: Organic Geochemical Records of Oceanic and Continental Ecosystem Response to Abrupt Climate Change

March 26 - 30, 2006: 231st American Chemical Society meeting, Atlanta, Georgia, USA.

April 2 - 7, 2006: EGU General Assembly, Vienna, Austria. Including Session ERE7: Oil degradation - from bad news to good news. Oil quality deterioration, bioremediation, and oil-fuelled biogenic methane production <http://meetings.copernicus.org/egu2006/>

April 9 - 12, 2006: AAPG Annual Convention, Houston, Texas, USA. <http://www.aapg.org/houston/index.cfm>

June 22 - 24, 2006: International 10th Conference on Environment and Mineral Processing, at VSB - Technical University of Ostrava, Czech Republic, [http://homen.vsb.cz/hgf/546/konference\\_en.html](http://homen.vsb.cz/hgf/546/konference_en.html)

July 16 - 21, 2006: Carbon 2006, Aberdeen, Scotland. <http://www.carbon2006.org/>

**Sept. 3 - 9, 2006: ICCP 58<sup>th</sup> Annual Meeting**, Bandung, Indonesia, followed by two-day symposium "Lower rank coals in the future energy pattern" and a field trip to Bukin Asam coalfield, southern Sumatra. Symposium abstracts due by 31 January 2006. See ICCP News No. 36, p. 16-19, <http://www.iccop.org/>

Sept. 10 - 14, 2006: 232nd American Chemical Society meeting, San Francisco, California, USA

Sept. 10 - 14, 2006: 23rd International Organic Geochemistry Meeting (IMOG07), Devon, England <http://www.eaog.org/meetings/meetings.html>

**Sept. 15 - 22, 2006: 23rd Annual TSOP Meeting, Beijing, China.** Abstracts should be submitted by April 30, 2006. See p. 8 and <http://www.tsop.org>

October 8 - 11, 2006: AAPG Eastern Section Meeting, Buffalo, New York, USA. "New Concepts for Old Basins" Themes include black shales, oil/gas sands, CO<sub>2</sub> sequestration, coalbed methane. [karl.nrcce.wvu.edu/esaapg/ESmeet.html](http://karl.nrcce.wvu.edu/esaapg/ESmeet.html)

October 22- 25, 2006: GSA Annual Meeting, Philadelphia, Pennsylvania., USA <http://www.geosociety.org/meetings/2006/>

Nov. 5 - 8, 2006: International AAPG Meeting, Perth, Australia. <http://www.aapg.org/perth/index.cfm>  
Including Coalbed Gas technical session (with AAPG-EMD and TSOP) Linda.Stalker@csiro.au, malcolm.bocking@bacbm.com, or c.ward@unsw.edu.au

Including Oil from Coal technical session [http://emd.aapg.org/Callforabstracts\\_OilfromCoalv2.pdf](http://emd.aapg.org/Callforabstracts_OilfromCoalv2.pdf).

Including technical session: CO<sub>2</sub> Sequestration - Concepts and Future Plans  
Deadline for abstract submission is January 18, 2006.

Nov. 14 - 17, 2006: 8th Annual Unconventional Gas Conference, Canadian Soc. for Unconventional Gas, Calgary, Alberta, Canada. Web site: <http://www.csug.ca/>

### 2007

March 25 - 29, 2007: American Chemical Society national meeting, Chicago, Illinois, USA

May 7 - 11, 2007: World of Coal Ash, combining the previous international symposia of the ACAA and Kentucky CAER. It will focus on the science, applications and sustainability of coal ash worldwide. <http://www.worldofcoalah.org/>

April 1 - 4, 2007: **AAPG Annual Convention and Exhibition**, Long Beach, California, USA

**August 19 - 25, 2007: 24<sup>th</sup> Annual TSOP Meeting**, Victoria, British Columbia, Canada, with **ICCP and CSCOP**

August 19 - 23, 2007: American Chemical Society national meeting, Boston, Massachusetts, USA

October 28 - 31, 2007: **Geological Society of America Annual Meeting**, Denver, Colorado, USA

## Meeting Reports Invited

Reports and photographs from meetings of interest to TSOP members are solicited for inclusion in the Newsletter. Please refer to article guidelines on page 3, and contact the Editor.

Entries for this calendar, which appears in the TSOP Newsletter and on the web site, are also invited.

## Coming to the TSOP Web Site

Watch the TSOP web site [www.tsop.org](http://www.tsop.org) for:  
Call for Castaño Award nominations  
Call for Spackman Award applications  
In Memoriam section  
Updated References on organic petrology topics

# Photo Gallery

The TSOP post-meeting field trip visited exposures of Lower and Middle Pennsylvanian strata (Langstettian - Bolsovian) on the eastern margin of the Illinois Basin. Photos by Paul Hackley.

