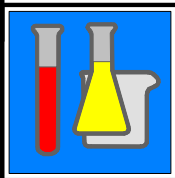




THE SOCIETY FOR ORGANIC PETROLOGY



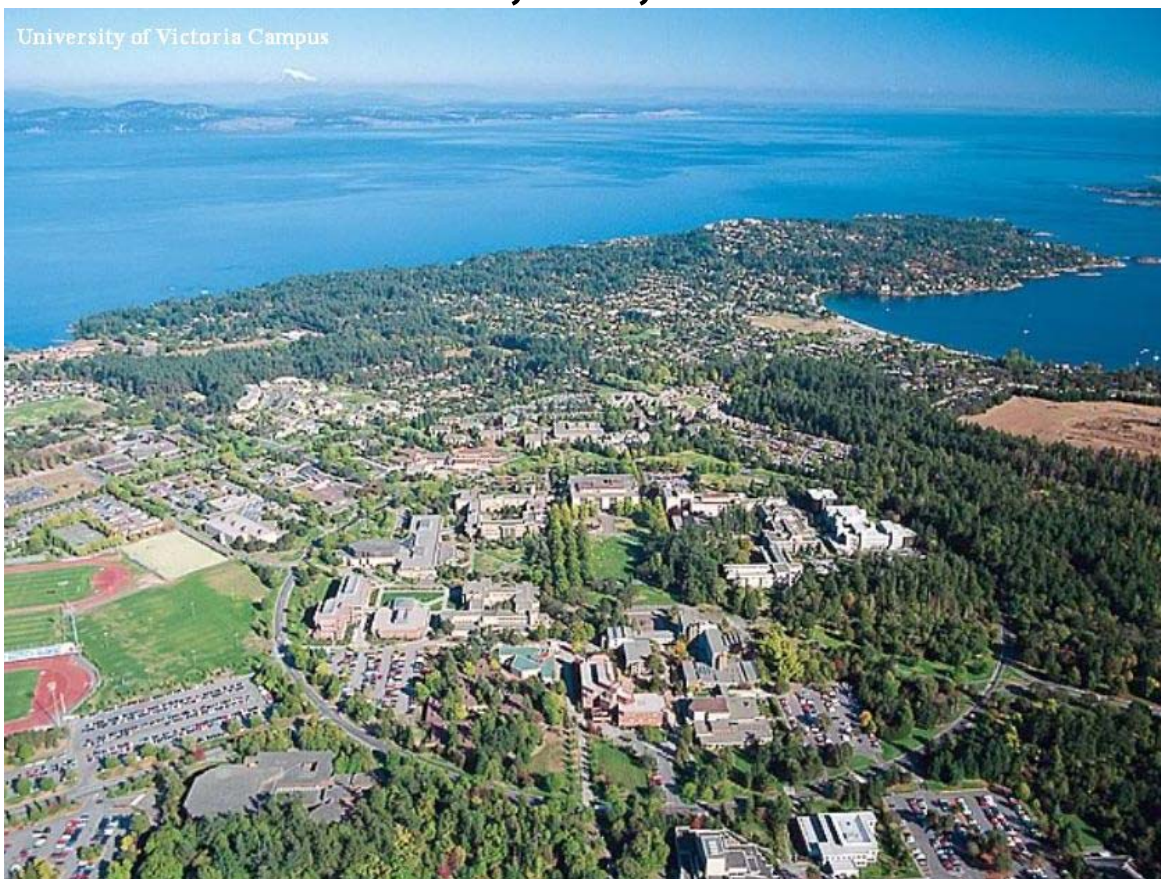
NEWSLETTER

Vol. 23, No. 4

December, 2006

ISSN 0743-3816

**Plan now to attend the 24th Annual TSOP Meeting
Held jointly with ICCP and CSCOP
August 19-25, 2007
Victoria, BC, Canada**



**Abstracts for Oral and Poster Presentations
due by April 15, 2007**

See pages 8-10

<http://geocities.com/victoriainconference2007/>

**24th Annual TSOP Meeting, with ICCP and CSCOP,
August 19-25, 2007
Victoria, BC, Canada
See pages 8 - 10**

**Abstracts are due by
April 15, 2007
See Call for Papers on page 8**

Technical Sessions Include:

- Unconventional Petroleum Systems
- Advances in Organic Petrology,
Organic and Inorganic Geochemistry

NEXT YEAR:

**Oviedo, Spain
September 22 - 28, 2008
Joint ICCP-TSOP Meeting**

Planned Schedule Includes:

Sunday, August 19, 2007
Ice Breaker and Council Meetings
Monday August 20:
ICCP Plenary Session and Commission Meetings
Council Meetings
Tuesday, August 21:
ICCP Commission Meetings
Council Meetings
Wednesday, August 22:
TSOP Technical Sessions and Posters
TSOP Business Lunch
Council Meetings
Thursday, August 23:
CSCOP - TSOP Technical Sessions and Posters
Evening Conference Dinner
Friday, August 24:
ICCP Plenary Session and Commission Meetings
Saturday, August 25:
Field Trip

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. You will then be billed by Elsevier. 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

ISSN 0743-3816 published quarterly

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**DEADLINES: March Issue: March 5, 2007
June Issue: June 5, 2007**

Writers, Photographers and Associate Editors
Needed!

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. Color illustrations may be possible in some issues.

Please do not embed **graphics** or **photos** in word processor files. You can provide photos or other graphics as slides or prints (which will be returned after being scanned) or as digital files (300 dpi preferred) via email or on cd or dvd. Low resolution images are discouraged as they cannot be reproduced well in print. **Text** is preferred in Microsoft Word, RTF or plain text formats.

Contact the Editor:

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Please report any changes in address or contact information to:

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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 photo of University of Victoria, location of the 2007 Joint TSOP, CSCOP and ICCP Meeting. Photo by University of Victoria.

TSOP Dues Form Enclosed

Please pay upon receipt

For those whose paid membership expires at the end of 2006, a 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. Our usual deadline is December 31; your temporary editor apologizes for the delays in this issue and, in particular, the dues forms. Please pay now if you have received a dues form.

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

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

Officers and Committee Chairs are reminded to provide their records to Ken Kuehn, **TSOP Archivist**. Please contact Ken at kenneth.kuehn@wku.edu for further information.

President's Page

from Jeff Quick

Dear TSOP members,

I was returning home from our Beijing meeting on United flight 888 when the in-flight movie entitled: "An Inconvenient Truth" began. Strapped to my seat at 30,000 feet I was part of a captive audience that watched as former U.S. vice-president Al Gore linked the combustion of fossil fuels to potentially catastrophic global warming. Although the movie inspired this letter, the letter does not judge the truth of this movie. My specialty is coal, not climate science. Nonetheless, because organic petrology includes fossil fuels, this topic is appropriate for our newsletter.

Human (anthropogenic) activity, largely the venting of carbon dioxide (CO₂) from fossil fuel combustion and changing land use, accounts for about five percent of the annual CO₂ flux to the atmosphere (EIA, 1998). Despite our small contribution, human activity has caused the significant increase in atmospheric CO₂ concentrations observed during recent decades (Keeling and Whorf, 1999). Notably, solutions to global warming focus on the anthropogenic contributions and ignore the larger, natural contributions to atmospheric CO₂.

Our narrow focus is rooted in Greenhouse Gas (GHG) accounting methods; essentially, distinguishing anthropogenic GHG sources inherently presumes that human activity is special and not part of the natural environment. This self-important notion is difficult to objectively apply. Consider the definition of *Anthropogenic* in the IPCC handbook (Houghten and others, 1997):

"Man-made, resulting from human activities. In the Guidelines, *anthropogenic* emissions are distinguished from natural emissions. Many of the greenhouse gases are emitted naturally. It is only the man-made increments over natural increments which may be perturbing natural balances."

Strict application of this definition recognizes that CO₂ from combustion of biomass by people is an anthropogenic emission - yet CO₂ from biomass combustion is deliberately excluded from national GHG inventories. Thus, differentiation of natural and anthropogenic emissions is arbitrary. Recognition of CO₂ emission offsets from carbon sequestration and avoidance strategies doubles the definitional difficulty since it suggests that anthropogenic subtractions of CO₂ from the atmosphere can also be objectively identified. Here, the ambiguity persists. For example, afforestation, where people passively allow trees to reclaim farmland, is a recognized mitigation option,

but methane avoided, where people actively drain and fill wetlands, is not.

The ambiguity of anthropogenic emissions may have less to do with *how* we distinguish anthropogenic emissions than with *why* we make the distinction at all. Noting that the "boundary between humans and nature is not as lucid as common language might suggest," Yates-Doerr (1999) argues that we make this distinction in a misdirected attempt to answer the question - what is right? - with the false premise that what is natural is good and what is influenced by humans is bad. She goes on to say that "the concept of natural is a constructed term that obfuscates both the problems and solutions of human impact on the earth." Thus, when we contemplate strategies to avoid global warming that are narrowly focused on anthropogenic emissions, we (in the words of Yates-Doerr) "give ourselves false rules with which to play the game of survival." Indeed, a ton of CO₂ in the atmosphere has the same effect regardless of whether we classify it as natural CO₂ or anthropogenic CO₂.

Ultimately, these distinctions may be irrelevant since combustible carbon sources on the planet are limited and resource depletion is inevitable. In this regard, any reduction of fossil fuel use due to GHG mitigation policies will postpone the inevitable difficulty when fossil energy becomes expensive.

In the meantime, I am confident that TSOP members will contribute many solution(s) to the global warming problem. After all, we are the fossil fuel experts!

With Best Wishes,
Jeff Quick

References

- EIA (1998) *Impacts of the Kyoto Protocol on US energy markets and economic activity*: U.S. Energy Information Administration, special report to the U.S. House of Representatives, SR/OIAF/98-03, 227 pages.
- Houghton, J. T., Meira Filho, L. G., Lim, B., Tréanton, K., Mamaty, I., Bonduki, Y., Griggs, D. J. and Callander, B. A., eds., (1997) *Greenhouse Gas Inventory Reference Manual, Revised 1996 IPCC Guidelines for National Greenhouse Gas Emissions*, Volume 3, Intergovernmental Panel on Climate Change, IPCC World Meteorological Organization, Geneva Switzerland.
- Keeling, C.D. and Whorf, T.P., (1999) *Atmospheric carbon dioxide record from Mauna Loa*, (<http://cdiac.esd.ornl.gov/trends/co2/sio-mlo.htm>)
- Yates-Doerr, E.J.F., (1999) *In quest of the natural acid mine drainage as a case study*. Abstracts with Programs, Annual Meeting of the Geological Society of America, 25-28 October, Denver CO, p.A-307.

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The Spackman Awards

TSOP 2007 Graduate Student Research Grants

Applications Invited

TSOP invites applications for one or two graduate student research grants of up to \$1000 (US currency) each that will be awarded in 2007. The purpose of the grants is to foster research in organic petrology (which includes coal petrology, kerogen petrology, organic geochemistry and related disciplines) by providing support to graduate students who demonstrate the utility and significance of organic petrology in solving the thesis problem.

The Spackman Award program supports qualified graduate students from around the world who are actively seeking advanced degrees. Each grant is to be applied to expenses directly related to the student's thesis work such as summer fieldwork, laboratory expenses, etc.

Grant application deadline is:

May 1, 2007

The award(s) will be made in August, 2007. Detailed information and an application form are available on the TSOP web site <http://www.tsop.org/grants.htm>

or from:

S. J. Russell
2218 McDuffie St.
Houston, TX 77019-6526
U.S.A.
e-mail: sjruss@sbcglobal.net

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Editor's Note

I'd like to thank the TSOP Council and TSOP members in general for the support they've given me as I take over the editing reigns for the newsletter. Extra special thanks are due to Dave Glick for both the mountain of work he has put into this newsletter over the years, and for the help he has given me as I scramble up the learning curve of editorship. Thanks also go to Diana Riggs, who helped proof-read this issue.

With the publication of this issue, the 2006 volume of the newsletter is finished, and we will be back on schedule for the first 2007 issue in March. I eagerly welcome submissions from TSOP members

and non-members for the March issue, which has a submissions deadline of March 5th. Pictures, book or equipment reviews, short technical articles, directory updates for members, upcoming awards or meetings, geology jokes or fiction – if you have it, please consider submitting it! See page 3 for the full submissions guidelines.

As Dave Glick noted in his exiting epistle in the September 2006 issue:

“This is *YOUR* newsletter”

I encourage everyone to share their knowledge and enthusiasm for all things TSOP through the newsletter.



Cheers,
Rachel Walker

(Photo by Diana Riggs)

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Letter to the Editor

A Letter to the Editor in the November 2006 issue of the ICCP Newsletter (v. 39) documented a disturbing problem that concerns all of us in the organic petrography community. Nikki Wagner and Johan Joubert (p. 6-7) described the misery associated with the purchase and installation of a new coal petrographic microscope from “a leading German manufacturer.” They aptly characterized the imaging properties of the 50x objective lens as “muddy,” an unfortunate problem, as that particular oil immersion objective is the only one available from the manufacturer for organic petrography applications such as vitrinite reflectance.

During the course of modernization of the Organic Petrology Laboratory at the U.S. Geological Survey in Reston, the same type of microscope and objective were purchased, leading to the same problem. The “muddy film” described by Johan and Nikki is the result of unacceptable glare, and it probably is caused by the use of unsuitable glasses in the objective or poor antireflection coatings. The inferior quality of the objective lens and/or its coatings apparently resulted from the switch to infinity-corrected objectives about 1990, as pre-1990 objectives from the manufacturer are quite adequate in their imaging properties. However, there is no easy solution such as an adapter to exchange the pre-1990

160-mm tube length objectives with the inferior infinity-corrected objectives that currently are offered.

A preferred solution might be to work with the manufacturer for the immediate production of a high-quality objective better-suited to organic petrography applications. With this thought in mind, I'd like to ask how many other organic petrographers are unhappy with the imaging properties of their post-1990 instrument from the "leading German manufacturer"?

Please send me your comments and discussion regarding this problem. Collectively, we may be able to demonstrate clearly to the manufacturer a business case to continue supporting the organic petrography community with high quality products. At the very least, those of us in the community who are planning the installation of new microscope systems should be aware that this problem potentially lies in wait.

Paul Hackley
U.S. Geological Survey
phackley@usgs.gov

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A message from the Managing Editor of the AASP journal *Palynology*

Palynology publishes high-standard scientific research of interest on all aspects of organic microfossils (i.e., palynomorphs: spores, pollen, dinocysts, acritarchs, fungal spores, chitinozoans, etc.). We encourage submissions not only in the traditional areas of stratigraphic biostratigraphy, paleoecology and paleoenvironments, but also those utilizing palynomorphs together with the collateral disciplines of sequence stratigraphy, geochemistry, organic petrology, etc. Short notes on preparation methods, taxonomy, storage problems, etc., are welcomed as well. If increased numbers of high quality submissions are received, AASP (a volunteer-based non-profit society) would consider publishing two issues per year.

Palynology is a premiere, peer-reviewed journal for the palynological sciences published annually by the American Association of Stratigraphic Palynologists (AASP). It is listed in the Thomson Scientific's Institute for Scientific Information (ISI) abstracting service, and is available through Geoscience World (GSW), BioOne, and JSTOR. Visit our web site for further information about other AASP publications (www.palynology.org).

Cheers,
James B. Riding editor@palynology.org

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Book Review



(Image provided by Jakub Jirasek)

Martinec, P., Jirásek, J., Kožušníkova, A., Sivek, M. (eds.) **The Atlas of Coal – the Czech Part of the Upper Silesian Coal Basin**. Ostrava: Anagram, 2005. 64 p. + CD-ROM. ISBN 80-7342-082-1

In 2005, the team of authors from VŠB – Technical University of Ostrava and Academy of Sciences of the Czech Republic published a monograph "The Atlas of Coal – the Czech Part of the Upper Silesian Coal Basin". The book contains a summary of the geology of the basin, the history of local coal petrology studies and chapters about coalification, chemical composition of coal, coal structures, sapropelic coals, anomalous coal types, mineralization, transitional coal rocks and coal petrography of all coal members in the basin. The publication is bilingual – Czech and English.

The most important part of the publication is the first comprehensive coal atlas on CD. It contains 410 photographs (mostly of coal polished sections) documenting the described coal geology. This monograph represents a summary of the knowledge acquired in the course of more than 200 years of mining in this most significant Czech hard coal basin. You can request this book at the address given below.

Jakub Jirásek, VŠB-TU Ostrava, Czech Republic
jakub.jirasek@vsb.cz

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Coal Blends Accreditation Program (CBAP)

Commission III. International Committee for Coal and Organic Petrology - ICCP

Invitations are open to all analysts who may be interested in participating in the new Coal Blends Accreditation Program. The convener for the Coal Blends (CBAP) program is:

Dr. Isabel Suárez Ruiz
Instituto Nacional del Carbón - CSIC
Ap.Co. 73
33080 Oviedo
SPAIN

Phone +34-98-511 9090 / Fax: +34-98-529 7662
<mailto:isruiz@incar.csic.es>

Coal Blends Accreditation Program (CBAP)

The analysis of Coal Blends by petrographic methods is a unique method of defining the components of blends and has direct application to commercial work. The blends will be prepared at INCAR (Spain) using their extensive facilities. The blend coals come from a wide range of sources and will provide excellent experience of well-defined blends. Accreditation within this program will indicate competence at analysing coal blends.

The initial set of analyses will be of two coal blend samples. In future years, single samples of a blend will be used to test for maintenance of accreditation. For the first test in this program CBAP participants will receive two un-mounted blend samples. Blends will be made up of two or three component coals with little or no overlap in the vitrinite reflectance ranges for the components.

Blend samples will be prepared exclusively with coals of bituminous coal rank. On each blend sample participants will be asked to perform a petrographic analysis which will be used to determine the five following evaluations:

1. Number of component coals in the blends.
2. Overall mean random vitrinite reflectance for the blends. This analysis must be performed according to the ISO 7404/5 (1994) standard.
3. Vitrinite reflectance for each mode reported. This analysis must be performed according to the ISO 7404/5 (1994) standard and the procedure followed by the Coal Blends Working Group.
4. Overall maceral composition assessed in terms of vitrinite content for the blend samples. This analysis must be performed according to the ISO 7404/3 (1994) standard.
5. Blend composition i.e.: the proportion of each component coal in the blend samples. Based on

vitrinite reflectance measurements and performed according to the procedure developed by the Coal Blends Working Group.

Participants will be evaluated according to the results obtained after analyzing the properties outlined above. Detailed instructions for the analyses will be provided by the program convener.

The statistical evaluation for the new program has the same basis as that agreed for existing programs, where analysts must achieve an average unsigned multiple of standard deviations for the set tested of less than 1.5. A detailed presentation of the mathematics of the test methods is given under "Accreditation" on the ICCP website at <http://www.iccop.org>.

If you wish to take part in this program, please write to the convener as shown above.

Isabel Suárez Ruiz

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! SUBSCRIBE NOW !

Unconventional Natural Gas Report

A monthly electronic newsletter providing the E&P community with the latest information, data and resources for the
Unconventional Natural Gas Industry

Formerly the Coalbed Natural Gas Report
which is expanding coverage
to include other Unconventional Resources
such as Shale Gas, Tight Gas and Gas Hydrates

Contact: Ann Priestman

Energy Research Services

energyrs@comcast.net or 720-261-4126

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Meeting Report

National Conference on Frontier Areas in Geological and Technological Aspects of Fossil Fuel and Mineral Resources (GTFM-2006) 2-4 November 2006, Dhanbad, India

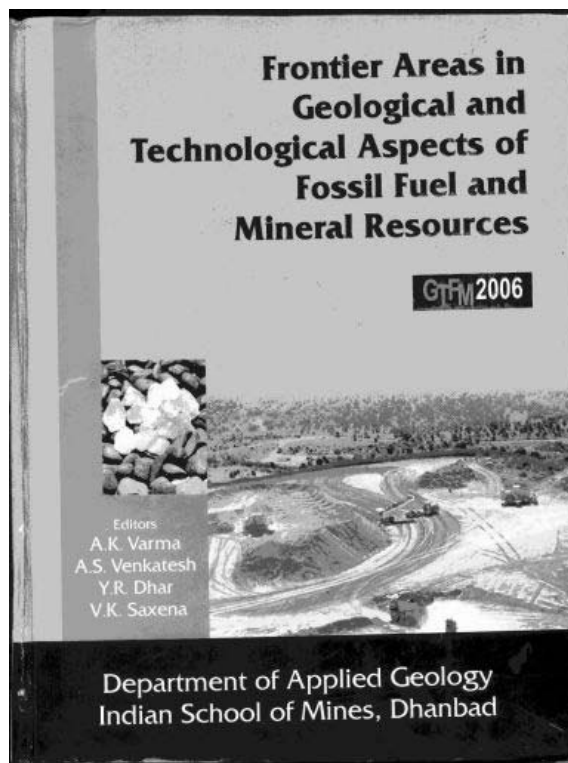
The 3-day national conference on “Frontier Areas in Geological and Technological Aspects of Fossil Fuel and Mineral Resources (GTFM -2006)” was organized by the Department of Applied Geology, Indian School of Mines, in Dhanbad, India from 2-4 November, 2006. Dr Atul K. Varma and Dr. A.S.Venkatesh were the Convener and the Organizing Secretary of GTFM-2006 respectively.

India is enriched in fossil fuel and mineral resources. However, a major part of these resources are yet to be explored properly. Diversification of industries in India and globalization in recent years has seen the Indian economy grow at a rapid rate which will cause an increase in demand for fossil fuel and mineral resources. Therefore, state-of-the-art research and newly emerging technologies are required to understand various aspects of the genesis, exploration, extraction, processing and sustainable development of India’s resources, keeping in view the environmental safeguards. In this context, the national conference on “Frontier areas in Geological and Technological aspects of Fossil Fuel and Mineral Resources” provided a forum for scientists, academicians, industry personnel, policy makers, consultants and instrument manufacturers’ discuss the geological and technological aspects of fossil fuel and mineral resources and to identify the grey areas which need to be addressed.

The major topics of discussion at this conference included coal, lignite, coalbed methane, oil and natural gas, gas hydrate, iron ore, bauxite, diamond, precious metals, CO₂ sequestration, mining and mineral processing technology and other environmental aspects. The conference was successful in invoking discussion which may help in disseminating information for reviewing the fossil fuel and minerals policy of the country. There were fruitful discussions to augment state-of-the-art technology in an assortment of exploration strategies, exploitation and utilization of fossil fuel and mineral resources with environmental safeguards. 54 technical papers covering the

different themes were presented over the three days of the conference. The conference proceedings volume edited by Dr. Atul K. Varma, Dr. A.S. Venkatesh, Prof. Y.R. Dhar and Dr. V.K. Saxena and published by Allied Publishers Private Ltd, New Delhi was distributed among the delegates along with keynote addresses, abstracts and souvenirs on the inauguration day of GTFM 2006.

Atul K Varma, Convener, GTFM- 2006



(Image provided by Atul Varma)



There's coal under there somewhere... Coal Stockpile at Arch Coal Terminal, Catlettsburg, Kentucky. (Photo by R. Walker)

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The Joint Meeting of CSCOP, TSOP & ICCP August 19 - 25, 2007 Victoria, British Columbia, Canada

Submit Abstracts for Technical Oral and Poster Presentations by April 15, 2007 to:

Dr. Hamed Sanei
Geological Survey of Canada
3303 33rd St NW
Calgary, Alberta, Canada T2L 2A7
Send all abstracts via e-mail: hsanei@nrcan.gc.ca

Abstracts must be 200-300 words maximum, sent as Microsoft Word or text files, no figures and no special formatting required. In e-mail: Please state preference of Session (see pages 8-9), Poster, Oral, or either Oral/ Poster.

Registration, Conference Dinner Fees:

Full Registration includes ice-breaker, TSOP Business Luncheon and coffee breaks.

- € Members: Cdn \$ 275.00 (must be paid in cash at meeting upon registration)
- € Non-members: Cdn \$ 300.00
- € Students: Cdn \$ 25.00
- € Guests: Cdn \$ 50.00
- € One-day registration: Cdn \$ 200.00

Conference Dinner: Cdn \$ 65.00

Field Trip to Salt Spring Island: Look for updated information on web sites www.tsop.org and

<http://geocities.com/victoriainconference2007>

For Hotels and University Accommodation Reservations:

1. Queen Victoria Hotel and Suites:



655 Douglas Street, Victoria, B.C., Canada V8V 2P9

TEL: 250-386-1312 FAX: 250-386-0687

Website: <http://www.qvhotel.com>

Special Rates are ~ Cdn \$150.00 single room only, plus taxes.

NOTE: This downtown hotel is the pick-up and drop-off point for daily morning and evening transportation to and from University of Victoria. It is about 20-25 minutes from the conference forum.

2. University of Victoria, Conference and Campus Housing:



Contact Reservation clerk: housing@uvic.ca

Center Manager: Ruth Hall, TEL: 250-721-8657

Single Bed and Breakfast: Cdn \$47.75

Twin / shared: Cdn \$57.75

Cluster of four: Cdn \$185.00

3. Additional Hotels:

Helms Inn

600 Douglas Street, Victoria, B.C.,

Canada, V8V 2P8 Toll Free: 1-800-665-4356;

TEL: 250-385-5767; FAX: 250-385-2221

E-mail: info@helmsinn.com

<http://www.helmsinn.com>

100% Smoke free rooms

Shamrock Suites on the Park

675 Superior Street, Victoria, B.c., Canada V8V 1V1;

Toll Free: 1-800-294-5544; TEL: 250-385-8768;

These two are 200 m from the pick-up/ drop-off

FAX: 250-385-1837;

<http://www.shamrocksuites.com>

These two are 200 m from the pick-up/drop-off point at Queen Victoria Hotel, for transportation to the conference at the University of Victoria.

THE JOINT MEETING OF

August 19

MEETING

Sunday August 19	Monday August 20	Tuesday August 21	Wednesday August 22
ICCP, TSOP, and CSCOP Council Meetings	ICCP Plenary session ICCP Commission Meetings	ICCP Commission Meetings	<u>TSOP Technical Session I</u> Unconventional Petroleum Systems: Organic Petrology, Organic Geochemistry Integrated with Geology Chairs: Drs. Marc Bustin, Lavern Stasiuk
Ice Breaker & Council Meetings	LUNCH	LUNCH	LUNCH & TSOP business meeting <u>TSOP Technical Session I</u> Cont'd
ICCP and TSOP Council Meetings	ICCP Commission Meetings	ICCP Commission Meetings	Unconventional Petroleum Systems: Organic Petrology, Organic Geochemistry Integrated with Geology Chairs: TBA
	ICCP and TSOP Council Meetings	ICCP and TSOP Council Meetings	<u>Posters:</u> General Organic Petrology and Geochemistry ICCP and TSOP Council Meetings

CONTACT INFORMATION:

[Http://geocities.com/victoriaconference2007/](http://geocities.com/victoriaconference2007/)


Technical program contact: Hamed Sanei (hsanei@nrcan.gc.ca)
General Inquiries: Andrew Beaton (Andrew.Beaton@gov.ab.ca)
Registration: Julito Reyes (jreyes@nrcan.gc.ca)
Field Trip Information: Judith Potter (jpp@sitogeo.com)

OF CSCOP, TSOP & ICCP

-25, 2007

University of Victoria
Victoria, British Columbia, Canada

SCHEDULE

Thursday August 23	Friday August 24	Saturday August 25
<p><u>CSCOP-TSOP Technical Session II</u> <u>Tribute to Dr. Fari Goodarzi</u></p> <p>Advances in Organic Petrology, Organic and Inorganic Geochemistry:</p> <p>Coal, Oil shales, Source Rocks; Paleo- and Recent-Environments and -Climates</p> <p>Chairs: TBA LUNCH</p> <p><u>CSCOP-TSOP Technical Session II</u> <u>Tribute to Dr. Fari Goodarzi</u></p> <p>Advances in Organic Petrology, Organic and Inorganic Geochemistry: Coal, Oil shales, Source Rocks; Paleo- and Recent-Environments and -Climates Chairs: TBA</p> <p>Posters: General Organic Petrology and Geochemistry <u>Evening Conference Dinner</u> Church and State Wineries and Vineyards</p>	<p>ICCP Commission Meetings</p> <p>LUNCH</p> <p>ICCP Commission Meetings</p> <p>ICCP Plenary session</p>	<p>Field Trip: Geology and Environs of Victoria to Salt Spring Island, British Columbia.</p> <p>Leaders: Dr. Peter Mustard and Dr. James McEachern Simon Fraser University</p> 



Canadian Society for Coal Science
and Organic Petrology



TSOP
The Society for Organic Petrology



ICCP

**Meeting Report on the 23rd Annual Meeting of the Society for Organic Petrology
September 15-22, 2006, Beijing, China
by
Kuili Jin and Chen-Lin Chou**

(The following report has been adapted from a longer report provided to the Editor)

The 23rd Annual Meeting of the Society for Organic Petrology was successfully held in Beijing, China, September 15 – 22, 2006. The Organizing Committee received guidance in the preparation of the meeting from Colin Ward and Peter Warwick, the Society's former presidents, which is much appreciated. A total of 107 registered participants from 15 countries and 14 accompanying guests attended the meeting. The meeting received 139 abstracts, among which 65 abstracts were in organic petrology and coalbed methane, 39 in coal petrology and geochemistry, 22 on coal measures, sedimentology and new techniques, 7 on coal utilization, and 6 on coal mine safety. A total of 89 papers were presented at the meeting, which include 64 oral presentations and 25 posters.

The *pre-meeting field trip* was held on Friday, September 15. The group first visited China National Geological Museum in Xisi, Beijing, and then visited the Pleistocene Glaciation Museum. After that, the group moved on to the Western Beijing Hills where we observed Permo-Carboniferous and Lower Jurassic Coal Measures. This region is rich in geological features, including Yanshan Movement, distinctive stratigraphy, coal metamorphism, re-coalification, and Quaternary glacial vestiges. Many early generations of Chinese geologists received field geological training in this region. Thus the Western Beijing Mountains is dubbed a "hotbed" of Chinese geologists.



Participants observing Permo-Carboniferous coal measures. (Photo provided by Kuili Jin & Chen-Lin Chou)

The *pre-meeting short course* "Petrology and geochemistry of coal and non-marine source rocks," was held on September 16 at CUMTB. The short course started with the topic on the geochemistry of sulfur given by Dr. Chou. Following that, Dr. Dai presented several topics including trace elements in Chinese coals, a large gallium deposit associated with coalbeds in the Jungar Coalfield, Inner Mongolia, and mineralogy and geochemistry of the Late Permian coals in Guizhou Province. Professor Tang showed essential characteristics of non-marine source rocks, classification of organic matter, and basic structures and hydrocarbon potentials of coal/kerogen. Professor Jin introduced non-marine source rock research – case studies of coal-derived oil from Turpan-Hami basin, including oil-source correlation, oil expulsion experiments and sedimentary organic facies evaluation. This is followed by laboratory demonstration of macerals together with inclusions under microscopes.



Short course participants observed samples under microscope at the demonstration session. (Photo provided by Kuili Jin & Chen-Lin Chou)



Presidium of Opening Ceremony. (Photo provided by Kuili Jin & Chen-Lin Chou)

The *ice-breaker party* was held at Xijiao Hotel on the evening of September 16. Dr. Jianyong Qiao, the President of China University of Mining and Technology (Beijing), received some guests and organizers of the TSOP meeting, including Dr. and Mrs. Peter Warwick, Dr. Wolfgang Kalkreuth, Dr. Jeffrey Quick, Professor Louis L. Tsai, Dr. and Mrs. Chen-Lin Chou, Professor Kuili Jin and Daiyong Cao. President Qiao welcomed the guests by citing Confucius' sayings and expressed thanks to those who helped organize the meeting.

The *opening ceremony* was held in the morning at Xijiao Hotel, Sunday, September 17, 2006. The presidium of the opening ceremony was composed of Dr. Peter Warwick, Dr. Jeffrey Charles Quick, Dr. Jianyong Qiao, Academicians Guangming Zhai and Jiyang Wang, and Dr. Louis L. Tsai, as well as representatives from co-sponsoring organizations. Dr. Qiao, president of CUMTB, made a welcoming speech. Dr. Warwick, as the President of TSOP also made a speech. There were three speeches in the plenary session, which are Professor Guangming Zhai's "Status quo of Chinese petroleum geology," Shenglin Sun's Prediction and evaluation of Chinese coal resources," and Professor Kuili Jin's "Advances of organic petrology in China."

There were many excellent oral and poster presentations in the *scientific sessions*, reporting new progress in the field of organic petrology and geochemistry. On the subject of thermal maturity, there were papers by Ruppert et al., Warwick, and Li et al. On the subject of mineral matter and trace elements, there were Goodarzi et al. (poster), López and Ward, and Ward et al. In the area of coalbed methane, there were papers by Bustin and Guo and Mastalerz et al. There were papers on coal utilization (e.g., Xinwen Wang et al.), on sequence stratigraphy (Shao et al.). Papers on the environment and coal mining safety include those by Quick, Ning et al., and Wei et al. Those on source rock studies include Xianqing Li et al. and Kern et al.



Leslie Ruppert giving a talk. (Photo provided by Kuili Jin & Chen-Lin Chou)

At the *business meeting*, outgoing president Peter Warwick expressed thanks to host organization and co-sponsors. Dr. Maria Mastalerz gave presents to Dr. Jianyong Qiao, Professor Jinxing Dai and Professor Kuili Jin for their contributions to this year's TSOP meeting, on behalf of herself and Jim Hower (who couldn't come to the meeting). Incoming TSOP president Jeffrey Quick introduced the incoming council and thanked Peter Warwick and the outgoing council for their leadership during the past year. This was followed by Wolfgang Kalkreuth's report on the progress made by the International Committee for Coal and Organic Petrology (ICCP). Lastly Dr. Hamed Sanei invited everybody to attend next year's meeting in Victoria, British Columbia, Canada, on behalf of the Organizing Committee.



Hamed Sanei invited everybody to Victoria, British Columbia, Canada. (Photo provided by Kuili Jin & Chen-Lin Chou)

At the *banquet* on the Monday evening, September 18, Professor Kuili Jin toasted the participants and asked all to enjoy the Chinese Food and "Great Wall" wine, one of the best Chinese wines. Then Drs. Quick and Warwick made short speeches and toasted the participants. During the banquet, every country had one person to say something enthusiastic about the meeting.

At the *closing ceremony*, the presidium consisted of Jeffrey Quick, Peter Warwick, Wolfgang Kalkreuth, L. Ruppert and Kuili Jin. Dr. Quick thanked the student helpers who had done an

excellent job. Dr. Maria Mastalerz, the chair of the committee for the Outstanding Student Paper Awards, announced Liugen Zheng as the winner of the Outstanding Student Oral Paper Award, and the Outstanding Student Poster Paper Award was awarded to M. Kern from Brazil. As a tradition, the organizing committee presents a gift to the person who traveled farthest to the meeting. This year there were three winners: Alejandro Restrepo, Astrid Blandón, and Freddy Arango from Colombia, South America. Lastly, Professor Jin declared that the meeting was over.

The *post-meeting field trip* held on September 20-22, took place at the Datong Wonderful Sight and Antaibao Surface Mine, Shanxi Province. Our first stop was the Pleistocene volcanic group (about twenty volcanic cones), but we were not able to reach the intended outcrop because of road conditions. Instead, we went to a Buddhist nunnery called Haotian Temple, which is built on the top of a volcano. On the way to the nunnery we were able to collect some volcanic bombs and scoria. We also observed Quaternary loess deposits below and above the volcanoes. Next, the group traveled to Huihai Coal-Water Mixture (CWM) Plant in Datong.



Participants visited a Buddhist nunnery. (Photo provided by Kuili Jin & Chen-Lin Chou)

In the evening, the group traveled to the city of Pingshuo. We received a warm welcome, with welcoming slogans on long banners and a welcoming banquet attended by the vice-president of the Pingshuo Coal Company. In the morning of the next day (Sept. 21) we visited Anjialing Surface Mine. From the observation spot we were able to see the whole view of the mine. Some of us went down to the face of coal seams. Samples of Nos. 4, 9 and 11 Coals were taken. In the afternoon, the group visited the coal preparation plant of Antaibao Mine. Mr. Zhang Wang, senior coal geologist responsible for coal quality and blending of products, gave a talk detailing coal quality of marketed coal products.

The next day (Sept. 22), we traveled from Pingshuo to Datong to visit the world-famous Yungang Buddhist Grottos. Yungang Grottos are an UNESCO World Heritage site. There are 53 grottos and more than 5,000 Buddha statues carved by people during the Northern Wei Dynasty in the Chinese history (about 1,500 years ago). The field trip participants enjoyed the wonderful sightseeing. The group returned to Beijing in the afternoon. The field trip ended with dinner at Guolin Restaurant at Liudaoko near CUMTB. Professor Jin toasted the field trip participants and said once again "Welcome to Beijing. We welcome you with open arms." Participants from each country toasted and bid farewell.



Participants observed Anjialing Surface Mine. (Photo provided by Kuili Jin & Chen-Lin Chou)

Thank you to the host and sponsors of the 2006 meeting.

Hosted by China University of Mining and Technology (Beijing).

Co-sponsored by the:

- € National Natural Science Foundation of China;
- € Research Institute of Petroleum Exploration and Development, China National Petroleum Corp. (RIPED, CNPC);
- € China National Administration of Coal Geology;
- € Research Institute of Petroleum Exploration and Development, China Petrochemical Corp.;
- € Langfang Branch of RIPED, CNPC;
- € China University of Petroleum (Beijing);
- € National Key Basic Research and Development Programs (Nos. 2002CB211700 and 2006CB202200);
- € Tarim Branch of China National Petroleum Corp.;
- € China United Coalbed Methane Corp., and
- € Key Laboratory of Resources Research of Hebei Province (Hebei Engineering University).

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2006 Meeting CD

The compact disc enclosed with this issue of the newsletter contains a PDF file of the meeting program and all submitted abstracts. An excel file containing a table of all attendees is also included. There is an extensive selection of meeting photographs on the CD, including the formal group meeting photograph of all attendees.

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TSOP PUBLICATIONS

TSOP

<u>Number</u>	<u>Name of Publication</u>	<u>Price (USD)</u> (includes shipping)
1.	<i>Fluoreszenz von Liptiniten und Vitriniten in Beziehung zu Inkohlungsgrad und Verkokungsverhalten</i> - (in German with photomicrographs) M. Teichmüller, 1982	\$10
2.	<i>Fluorescence - microscopical changes of liptinites and vitrinites during coalification and their relationship to bitumen generation and coking behavior</i> , TSOP Special Publication No. I (English translation by Neely Bostick, without photomicrographs) M. Teichmüller, 1984	\$ 5
3.	<i>Influence of Kerogen Isolation Methods on Petrographic and Bulk Chemical Composition of a Woodford Shale Sample</i> , TSOP Research Committee Report, October 1989	Sold Out
4.	<i>Fluorescence Microscopy Workshop Lecture Notes</i> , 1989 TSOP Meeting	Sold Out
5.	<i>Organic Geochemistry</i> , 2nd TSOP Meeting, Houston, TX, 1985; Vol. 11, No. 5, 1987	\$ 5
6.	<i>Organic Geochemistry</i> , 3rd TSOP Meeting, Lexington, KY, 1986; Vol. 12, No. 4, 1988	\$ 5
7.	<i>Organic Geochemistry</i> , 4th TSOP Meeting, San Francisco, CA, 1987; Vol. 14, No. 3, 1989	\$ 5
8.	<i>Organic Geochemistry</i> , 5th TSOP Meeting, Houston, TX, 1988; Vol. 17, No. 2, 1991	Sold Out
9.	<i>Organic Geochemistry</i> , 6th TSOP Meeting, Urbana, IL, 1989; Vol. 17, No. 4, 1991	\$10
10.	<i>Organic Geochemistry</i> , 7th TSOP Meeting, Calgary, Alberta, 1990; Vol. 18, No. 3, 1992	\$10
11.	<i>Organic Geochemistry</i> , 8th TSOP Meeting, Lexington, KY, 1991; Vol. 20, No. 2, 1993	\$10
12.	8th TSOP Meeting Field Trip Guidebook, Lexington, KY, 1991	\$ 5
13.	<i>Organic Geochemistry</i> , 10th TSOP Meeting, Norman, OK, 1993; Vol. 22, No. 1, 1994	\$10
14.	<i>Energy & Fuels</i> , ACS symposium on kerogen/macerals; Vol. 8, No. 6, 1994	\$10
15.	12th TSOP Meeting Field Trip Guidebook, The Woodlands, TX, 1995	Sold Out
16.	<i>Organic Geochemistry</i> , 11th TSOP Meeting, Jackson, WY, 1994; Vol. 24, No. 2, 1996	\$35
17.	<i>International Journal of Coal Geology (IJCG)</i> , 12th TSOP Meeting, The Woodlands, TX, 1995; Vol. 34, Nos. 3-4, 1997	\$15
18.	IJCG, 13th TSOP Meeting, Carbondale, IL, 1996; Vol. 37, Nos. 1-2, 1998	Sold Out
19.	IJCG, Special Issue: Appalachian Coalbed Methane; Vol. 38, Nos. 1-2, 1998	Sold Out
20.	IJCG, 14th TSOP Meeting, Lexington, KY, 1997; Vol. 39, Nos. 1-3, 1999	\$25
21.	IJCG, Special Issue: Applied Topics in Coal Geology; Vol. 41, Nos. 1-2, 1999	Sold Out
22.	IJCG, 15th TSOP Meeting, Halifax, Nova Scotia, 1998; Vol. 43, Nos. 1-4, 2000	Sold Out
23.	IJCG, 16th TSOP Meeting, Snowbird, Utah, 1999; Vol. 46, Nos. 2-4, 2001	\$25
24.	IJCG, 17th TSOP Meeting, Bloomington, Indiana, 2000; Vol. 47, Nos. 3-4, 2001	\$25
25.	IJCG, 18th TSOP Meeting, Houston, Texas, 2002; Vol. 54, Nos. 1-2, 2003	\$30

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**American Chemical Society
233rd Spring National Meeting & Exposition
March 25-29, 2007, Chicago, IL**

(From the organizers' website)

The ACS is the world's largest scientific society dedicated to a single discipline, with more than 158,000 members. The spring meeting will be held at the McCormick Place Convention Center in Chicago and more than a dozen hotels across the city. More than 12,000 scientists are expected to attend the spring meeting, with technical sessions in the form of oral presentations and poster sessions.

Fuel Chemistry Division topics include Carbon Sequestration; Clean Coal; Environmental Challenges; Greenhouse Gas Capture; Sub-bituminous Coal: Structure, Composition & Reaction.

Geochemistry Division topics include Data Mining: Extracting Useful Information for Energy Exploration & Production.

More than 300 vendors inside the ACS National Exposition will offer a convenient location to investigate new instruments, publications, scientific software and hardware, analytical services, and chromatographic, laboratory and safety equipment and services. Take advantage of this opportunity to meet fellow R&D professionals from each company and discuss their products and services. Exhibitors participate in all aspects of an ACS meeting: exposition booths, papers, short courses, and workshops.

The Sci-Mix interdivisional poster session & social hour is held on Monday evening, with 2,000+ attendees expected. Many other social events are scheduled, for example, the Women Chemists Committee presents a luncheon with a program focusing on the careers of women chemists and sponsors a Fun Run & Walk at spring meetings. For members under 35, there are activities sponsored by our Younger Chemists Committee. Our ACS Education Division hosts programming by and for undergraduates, as well as training programs for chemists who would like to volunteer to participate in classroom activities.

<http://www.chemistry.org/portal/a/c/s/1/acdisplay.html?DOC=meetings%5cchicago2007%5chome.html>

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**AAPG Annual Convention and Exhibition
April 1-4, 2007
Understanding Earth Systems, Pursuing the
Checked Flag**



(from the organizers' website)

Every year, AAPG draws thousands of petroleum professionals from around the world to learn the latest practices and solutions in their field. AAPG's Annual Convention Exhibit Floor will see cutting-edge technologies in the upstream petroleum field. From well-logging to mapping, seismic data to GIS, geological to geophysical modeling, training courses to exploration/prospect software.

Some Convention Themes include:

Theme 7: Unconventional Reservoirs and Resources

- € Alternative Energy Sources: Promises and Pitfalls (EMD)
- € Coal: Energy Source, CO₂ Sink, Paleoenvironmental Archive (EMD)
- € Heavy Oil Provinces of the World (EMD)
- € Shale Gas (EMD)

Theme 11: Geoscience and Public Policy

- € AAPG Forum: Washington DC Office
- € Beyond the Science: Geopolitics and the Energy Industry (AAPG)
- € The Dynamic Earth: Earthquake Risks and Geohazards (DEG)
- € Tsunamis and Hurricanes: The Geologic Record and the Pending Threat (DEG)
- € CO₂ Budgets and Greenhouse Gasses: Generation and Sequestration (DEG)

Field Trips:

Western North America, an active plate margin, offers spectacularly exposed geology for field study. Our lineup includes a wide variety of tectonic and depositional settings that will serve as important analogs for petroleum deposits all over the world. Longer field trips will travel from Mt. Whitney to Death Valley and beyond, to the Coast Ranges in central California to central Mexico, to Baja California and the Colorado River. Local trips will focus on the Channel Islands offshore of southern California, the local mountain ranges, Edna Valley wine country and the California coastline. Tours of both offshore and onland facilities producing light and heavy oil are complemented by trips to exposures of associated stratigraphy and tar seeps.

<http://www.aapg.org/longbeach/index.cfm>

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Calendar of Events 2007

March 25 - 29, 2007: American Chemical Society 233rd Spring National Meeting, Chicago, Illinois, USA. Fuel Chemistry Division topics include Carbon Sequestration; Clean Coal; Environmental Challenges; Greenhouse Gas Capture; Sub-bituminous Coal: Structure, Composition & Reaction. Geochemistry Division topics include Data Mining: Extracting Useful Information for Energy Exploration & Production.

<http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?DOC=meetings%5cchicago2007%5chome.html>

April 1 - 4, 2007: Understanding Earth Systems - Pursuing the Checkered Flag: AAPG Annual Convention and Exhibition, Long Beach, California, USA. Technical themes include *Reservoir Characterization and Modeling and Hydrocarbon Systems and Basin Analysis*. Workshops and short courses include a hands-on core workshop: *Deep-Water Reservoirs of California: From Core to Reservoir Characterization, Modeling and Production*. <http://www.aapg.org/longbeach/>

April 17 - 19, 2007: Emerging Plays in Australasia, an international conference convened by the Petroleum Group of the Geological Society, at Burlington House, Piccadilly, London, UK. Abstracts due by 1 March 2007. <http://www.geolsoc.org.uk/template.cfm?name=EmergingPlaysinAustralasia>

May 7 - 10, 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. Northern Kentucky Convention Center, Covington, Kentucky. <http://www.worldofcoalash.org/>

July 15 - 20, 2007: Carbon 2007, an International Conference on Carbon. Seattle, Washington, USA. <http://www.carbon2007.org/>

August 19 - 25, 2007: ICCP / TSOP / CSCOP Annual Meeting, Victoria, British Columbia, Canada. Technical oral and poster sessions, ICCP commission meetings, field trip. See pages 8-10.

August 19 - 23, 2007: American Chemical Society 234th Fall National Meeting, Boston, Massachusetts, USA. Abstract submission begins March, 2007.

<http://www.chemistry.org/portal/a/c/s/1/acsdisplay.html?DOC=meetings%5Cboston2007%5Chome.html>

September 8 - 12, 2007: American Association of Stratigraphic Palynologists Meeting, Smithsonian Tropical Research Institute, Panama.

<http://www.palynology.org/meetings.html>

Sept. 9 - 14, 2007: 23rd International Organic Geochemistry Meeting (IMOG07), Riviera Conference Centre, Torquay, Devon, England. Deadline for 2page abstracts is 12 January 2007.

<http://www.imog2007.org/index.htm> and

<http://www.eaog.org/meetings/meetings.html>

September 10 -14, 2007: 24th International Pittsburgh Coal Conference, Johannesburg, South Africa. One-page abstracts are due March 1, 2007.

<http://www.engr.pitt.edu/pcc/2007%20Conference.htm>

October 28 -31, 2007: Geological Society of America Annual Meeting: Earth Sciences for Society— Beginning of the International Year of Planet Earth. Denver, Colorado, USA. Proposals for Sessions due January 9, 2007.

<http://www.geosociety.org/meetings/2007/>

2008

April 6 - 10, 2008: American Chemical Society national meeting, New Orleans, Louisiana, USA

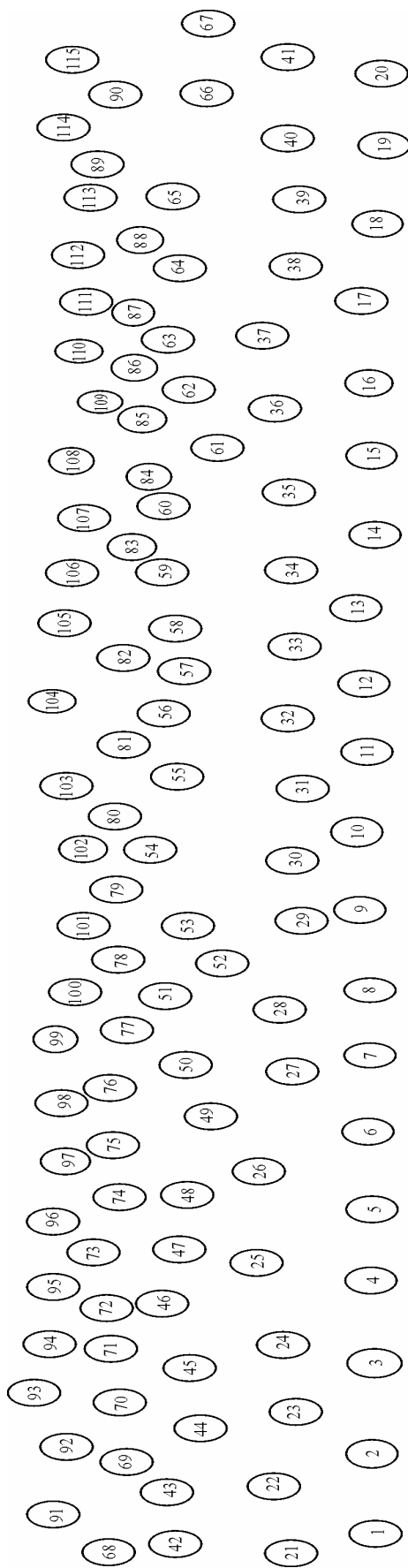
April 20 - 23, 2008: AAPG Annual Convention and Exhibition, San Antonio, Texas, USA

August 17 - 21, 2008: American Chemical Society national meeting, Philadelphia, Pennsylvania, USA

September 22 - 28, 2008: ICCP/TSOP Annual Meeting, Oviedo, Spain.

October 5 - 8, 2008: Geological Society of America Annual Meeting, Houston, Texas.

<http://www.geosociety.org/meetings/>



- 1-Yuegang Tang; 2-Louis L Tsai; 3-Kuili Jin; 4-Wolfgang Kalkreuth; 5-Yuzhuang Sun; 6-Wenhui Liu; 7-Yan Song;
 8-Guangming Zhai; 9-Jeffrey Charles Quick; 10-Jianyong Qiao; 11-Peter D warwick; 12-Jiyang Wang; 13-Yupeng Yao;
 14-Shenglin Sun; 15-Ningning Zhong; 16-Jian Li; 17-Chen-Lin Chou; 18-Daiyong Cao; 19-Colin Rex Ward; 20-Maria Mastalerz;
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 26-Dirk Prinz; 27-Huanjie Liu; 28-Songyuan Zhou; 29-Yuhong Lu; 30-Ivana Sýkorová; 31-Zuzana Weishauptova;
 32-Leslie Frances Ruppert; 33-Agnieszka Drobniak; 34-Robert B. Finkelman; 35-Harvey Elliot Belkin; 36-Neil. Sherwood;
 37-Coleman Ralph Robison; 38-Harold Read; 39-Zu-ne Wang; 40-Deyi Ren; 41-Liqun Liu; 42-Huimin Hou; 43-Shifeng Dai;
 44-Hai-zu Zhang; 45-Hui Zhang; 46-Jianye Yang; 47-Rongxi Li; 48-Andreas Busch; 49-Hamed Sanei; 50-Gankun Jin;
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 112-Cunxian Song; 113- ; 114-Jin Su; 115-Jiahu Fang.

Attendees of the 23rd Annual Meeting of TSOP, Beijing China, 2006





American Association of Stratigraphic Palynologists 40th Annual Meeting

Panama

September 8-12, 2007

<http://striweb.si.edu/aasp07>

**Hosted by the Smithsonian Tropical Research
Institute**

- a division of the Smithsonian Institution
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Events

- Opening mixer
- Pre-meeting field trip to Barro Colorado Island or to the Canopy Crane at Metropolitan Park in Panama City
- Tour of the Miraflores Locks at the Panama Canal



Guidelines

- Contributions accepted until July 5
- Student Financial Aid available
- Hotel rooms reserved at discount rate at the Hotel El Panama
- Additional information at <http://striweb.si.edu/aasp07>
- Contact us at aasp2007@si.edu

