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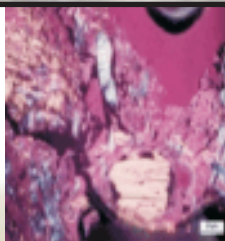
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News

No 42 November 2007

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ICCP 2007 in Victoria

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inside
this
issue

3 editor / president

5 meeting minutes

12 comm I minutes

18 comm II minutes

21 comm III minutes

23 council minutes

40 new fees structure

41 thiessen medal

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From the Editor

What a very full and most excellent meeting in Victoria. Many warm congratulations must go to the organising committee. I must say that while the venue was generally excellent, the number of rabbits present did cause the toes of the Australian contingent to curl up (to whom rabbits are a national pest and environmental plague) and threats to turn them all into rabbit stew were not uncommon.

With a federal election looming in Australia, a nearly 100% voting rate is the norm as voting is compulsory. A very high participation rate of 78% was achieved in the presidential elections and so congratulations to the members for their active interest. Petra David will now make a most able successor to Alan Cook. I wish Alan well in his 'retirement' and Petra well in her future endeavours. A good participation rate was also achieved in the election of the new Chair of Commission III - well done Isabel!

On the issue of elections, I note with some disappointment that the position of Secretary of Commission II will become vacant when Carla moves into the role of Chair at the next meeting. This unfortunate situation has arisen largely because of the lack of participation by members in the activities of the Commission Working Groups. The problem is not confined to Commission II. So I would encourage members to join the working groups and keep them young and active!

The other significant change in the make up of the Council was the resignation of Rudi Schwab as Treasurer. In recognition of the contributions Rudi has made to ICCP over many years an honorary membership was bestowed. Jen Pearson has now taken up this task and we wish Jen well. There are bound to be a few hiccoughs in the early stages of setting up the new accounts and getting payment systems in place but I am sure that Jen will also do a most excellent job.

With these changes in mind, I would note the new fees structure for ICCP Members (see page 40 of this issue and ICCP News #39, November 2006, pp. 21 - 24). This structure is designed to encourage members to pay in a timely fashion as well as to return cost savings back to members.

cheers and happy reading

Peter (ICCP Ed.)

From the President

Dear ICCP members,

This years meeting was had a joint meeting with TSOP and CSOP again. The last joint meeting took place 15 years ago in Pennstate, USA. This year we had 3 days of ICCP Commission meetings and two days of oral and poster presentations organised by TSOP and CSOP. The meeting reinforced how different ICCP and TSOP are in terms of the way that they function. Working meetings of the Commissions represent a very different setting compared with a more or less conventional conference with specialist talks and some keynote addresses together with a poster session. Although it is not a general policy of ICCP, 2 more joint ICCP TSOP meetings will follow, 2008 in Oviedo, Spain and 2009 in Porto Alegre, Brazil. One advantage of this is that scientists have the possibility to attend both meetings, without the necessity of raising travel funds for two meetings.

After eight years ICCP has a new president. I was slightly surprised when I realized that it is not a common feature in ICCP that a President serves for a second term and in fact this has not been occurred since Erich Stach in 1971. A number of important issues have been realized during Alan's presidency. More information is given elsewhere in the Newsletter. This was of course only possible with the joint effort of all council members. As General Secretary it was a pleasure to work with Alan and I have learned a lot during the years. In major parts I will continue the work that he has initiated.

The registration of ICCP will be a main issue in the forthcoming year. The registration is very important for a number of reasons, e.g. holding copyright on ICCP work, insurance liability and having formal status with organizations such as ISO. This last is especially important in relation to the Accreditation activities that have become so important in the last decade. In the last years we have gathered information required for the registration in different countries, Australia, Greece and Portugal. Additionally we are currently investigating the conditions of registration in Spain. Detailed information on the conditions, together with the proposed voting form, will be made available in the spring issue of the ICCP Newsletter and the voting papers will be send out in April 2008.

A very important activity of ICCP has been and will continue to be the standardization of terminology, methods and procedures in organic petrology. This also includes accreditation. The development of the three accreditation schemes in the last years is a great success thanks to the passion and work of a number of people..

Besides the standardization, ICCP needs to concentrate more on ways to increase the level of acceptance of petrological methods. Continuous publication of WG results is one possibility. Another important activity is the further development of training material to bring ICCP nomenclature and standards to a broader public and to educate students. Also the website can be of great help.

The website has made a big progress during the last year. We now have a secure area on our website, which can not only be used for exchanging data and documents, but also for discussing ideas via the Forum. Prior to the meeting a small group of ICCP members had the chance to get access to the secure area in the scope of the New ICCP Handbook Edition. We hope to be able to update the website and provide all members with a user name and password until the end of this year.

The results of the elections will ensure the continuity of ICCP initiatives and activities. But of course we can also benefit from the ideas and energy of new members in council. This year a new treasurer, Jennifer Pearson from Canada, has joined council. She replaces Rudi Schwab, who for a number of years has done a tremendous job for ICCP. Rudi has received Honorary Membership of ICCP. Isabel Suárez Ruiz has started her activities as Chair of Commission III and Carla Araujo as Secretary of Commission II. Stavros Kalaizidis will start his work as Secretary of commission I at the end of next years meeting.

ICCP can only progress if council is constructive and co-operative and supported by the members of the organization. I will do my best to bring ICCP a step further and I very much appreciate the input of all ICCP members, especially if they cannot attend the annual meetings. If you have comments or contributions, please contact me at <mailto:petra.david@tno.nl>

Looking forward to active 4 years

With kind regards
Petra David
<mailto:petra.david@tno.nl>

New ICCP Treasurer

Jen Pearson has been elected as ICCP Honorary Treasurer following the departure of Rudi Schwab from this post. Jen's contact details are:

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<mailto:jen@coalpetrography.com>
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A number of important changes will now occur to the ICCP accounts.

ICCP Accounts are now held in Euros only

ICCP accounts will now operate a Euro account (based in Canada) so all payments to ICCP will occur in Euros only.

To date, it has not been possible to re-establish a facility to accept payments by credit card and

Credit Card Facilities are Temporarily Unavailable

All payments must therefore be made by a cheque in Euros. Every effort is being made to access credit card facilities and members will be notified when this has been achieved.

Know Your Coal Petrologist #30



*Members cannot be expected to recognise Petra David's sister Kirsten (L) but with whom is she travelling to go whale watching in Victoria?
Answer p.51*

Minutes of the 59th Meeting of the ICCP Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

General course of the Meeting

From 18 - 25 August 2007 the 59th meeting of the International Committee for Coal and Organic Petrology (ICCP) took place in Victoria, Vancouver Island, British Columbia, Canada. The meeting was a joint annual meeting of the Canadian Society for Coal Science and Organic Petrology (CSCOP), the Society for Organic Petrology (TSOP), and the International Committee for Coal and Organic Petrology (ICCP). The meeting included three days of ICCP Commission Meetings (*Appendix I*), and two days of TSOP technical session including a Dr. F Fariborz Goodarzi Symposium (*Appendix II*).

The meeting was organized by the Geological Survey of Canada supported by Pearson Coal Petrography, Victoria.

Table 1 Members of the Organising Committee of the Victoria 2007 CSCOP-TSOP-ICCP meeting

Co-Chairs

Dr Vern Stasiuk
Dr. Judith Potter
Dr Hamed Sanei
Dr Andrew Beaton

Organising Committee

Dr. David Marchioni
Mr. Julito Reyes
Mr. Bill MacDougall
Ms. Katrina Cheung
Dr. David Pearson
Ms. Jennifer Pearson

The meetings and sessions took place at the University of Victoria and were attended by 95 persons, of which 50 ICCP members, representing a total of 24 countries (*Appendix III*).

The audience was welcomed by the co-chair of the Organising Committee, Dr. Vern Stasiuk, followed by a Keynote Presentation by Dr. Barry Ryan (British Columbia Energy and Mines): "*An Overview of the Coalbed Methane and Gas Shale*

Potential in the Province of British Columbia, Canada". The Opening Plenary Session of the General Assembly was opened with the President Alan Cook in the Chair.

1. Apologies and other attendance matters

Apologies for non-attendance have been received from following members:

Elvira Barcelona, *Australia*, Kathy Benfell, *Australia*, Alfonso de la Cruz, *Australia*, Zuleika Caretta, *Brazil*, Alan Davis, *USA*, Aivars Depers, *Australia*, Helmut Jacob, *Germany*, Werner Hiltmann, *Germany*, Jolanta Kus, *Germany*, Paul Lyons, *USA*, Duncan Murchison, *UK*, Ricky Pinheiro, *South Africa*, Benjavun Ratanathien, *Thailand*, Harold Read, *Australia*, Harold Smith, *UK*, Ray Smith, *Australia*, Angelika Vieth, *Germany*

2. Minutes of the Bandung meeting

The President asked the Plenary Session for confirmation of the minutes of the 58th ICCP Meeting held in Bandung, West Java, Indonesia from 3 - 9 September 2006. The minutes as published in the ICCP News were approved as an accurate record of the meeting.

3. Future meetings

2008 Oviedo, Spain

The 60th ICCP meeting will be held in Oviedo, Spain from September 21-28, 2008 and will again be a joint ICCP/TSOP meeting. The meeting will be organized by CSIC INCAR. Isabel Suárez Ruiz presented the detailed planning to both council and General Assembly. The schedule is given in

Table 2.

The meeting will be held in the Prince Philip Auditorium, Oviedo downtown. A field trip is

planned to the Asturian Coastal Jurassic (with black shales, source rocks and dinosaurs tracks) together with a visit to the Jurassic Museum.

Table 2: Draft schedule for the 2008 meeting in Spain:

Joint ICCP-TSOP Meeting, September 21-27 (Sunday-Saturday) 2008. Oviedo (Spain)							
Schedule September-07							
Time	Sunday September 21	Monday September 22	Tuesday September 23	Wednesday September 24	Thursday September 25	Friday September 26	Saturday September 27
8:30 - 9:00		Registration	Registration		ICCP		
9:00 - 9:30			ICCP	ICCP	Pl. Session ???	TSOP	Field trip
9:30 - 10:00	Council Meeting	Welcome & ICCP General Assembly	Commission Meeting	Commission Meeting	Joint Scientific Session	Technical Session	Asturian Jurassic and Museum Visit
10:00 - 10:30	ICCP				ICCP-TSOP		
10:30 - 11:00					TSOP		
11:00 - 11:30					Technical Session		
11:30 - 12:00							
12:30 - 13:00							
13:30 - 14:00					Business Luncheon and Meet the TSOP Council Event	Lunch break	
14:00 - 14:30	Lunch break	Lunch break	Lunch break	Lunch break			
14:30 - 15:00							
15:00 - 15:30	Council Meeting ICCP	ICCP	ICCP	ICCP		TSOP Technical Session	
15:30 - 16:00							
16:00 - 16:30							
16:30 - 17:00		Commission Meeting	Commission Meeting	Commission Meeting	TSOP		
17:00 - 17:30							
17:30 - 18:00				Plenary Session	Technical Session	Poster Session	
18:00 - 18:30	Registration & Ice-Breaker Party						
18:30 - 19:00							
19:00 - 19:30			Council Meeting ICCP	Council Meeting TSOP			
19:30 - 20:00							
20:00 - 20:30							
20:30 - 21:00							
21:00 - 21:30						Evening Conference Dinner	
21:30 - 22:00							
22:00 - 22:30							
22:30 - 23:00							
23:00 - 23:30							
23:30 - 24:00							

Lunch time: 1h if in Auditorium, 1h 1/2 if outside

Poster exhibition will run throughout the Meeting at the entrance hall in which also coffee and refreshments will be served in order to facilitate interaction. Moreover, specific Poster Session will be on FRIDAY afternoon.

2009 Gramado (Porto Alegre), Brazil

Wolfgang Kalkreuth informed council and the general assembly on the planned activities for the meeting in Gramado (Porto Alegre). The meeting will take place from 20-27 September 2009, jointly with TSOP and will be organized by the University of Rio Grande do Sul. The venue will be the University Conference Center in Gramado, a small scenic town about 100 km from Porto Alegre, where the university has a conference centre. Gramado has the advantage that hotels, shops, restaurants etc. are all within walking distance. A field trip is planned to the coal-mining areas in Rio Grande do Sul or Santa Catarina

2010 Belgrade, Serbia and Montenegro

No detailed information has been received yet for the arrangements for the 2010 meeting.

5. Membership

5.1 Associate membership

The following colleagues were elected to Associate Membership of the ICCP:

- 5.1.1 Jan Brüning, Germany
- 5.1.2 MaryAnn Love Malinconico, USA
- 5.1.3 Hamed Sanei, Canada
- 5.1.3 Binarko Santoso, Indonesia

5.2 Full membership

The following Associate Members were elected to Full Membership of the ICCP:

- 5.2.1 Maria Mastalerz, USA
- 5.2.2 João Graciano Mendonça Filho, Brazil
- 5.2.3 Nicola Wagner, South Africa

5.3 Re-admissions

- 5.3.1 Thomas Gentzis, Canada (AM)

A short introduction of the new (associate, full and re-admitted) members based on their applications and CVs was given to the audience. Jan Brüning, Germany, MaryAnn Love Malinconico, USA, Binarko Santoso, Indonesia and Thomas Gentzis have already been introduced in ICCP Newsletter 40. A summary of the members, who have not previously introduced (Maria Mastalerz, USA, João. Graciano Mendonça Filho, Brazil, Hamed Sanei, Canada, and Nicola Wagner, South Africa) is given in *Appendix IV*.

All membership applications were unanimously supported by the General Assembly.

5.3a Honorary Membership

- Rudi Schwab

5.4 Resignations and other losses

5.4.1 Resignations

- Maria Antonia Díez, Spain

5.4.2 Other losses

- Kazimiera Hamberger, Poland

Mrs Dr Kazimiera Hamberger, Full member of ICCP passed away on 13th of June 2007. She was from Poland a first member of the ICCP, introduced by Prof. E. Stach. She was co-organizer of the meeting in Jaszowiec in 1974 and she was a leader -convener of the WG sapropelites. She was retired from the Technical University in Gliwice where she had worked in Geology and Mining Faculty.

5.5 Membership Directory

A new membership directory will be produced by the Editor in 2008 in conjunction with the General Secretary and the Treasurer. The Editor noted that he has now been supplied with additional photographs of members. The photos now total 150 of the 182 (or 82%) members.

6. Results of Elections

Elections have been held for the positions of President and Chair of Commission III. The successful candidates are as follows:

President: Dr Petra David

Chair of Commission III: Dr Isabel Suárez Ruiz

Details of the voting are shown below as reported by the Returning Officer Harold Smith.

★ Election for President of ICCP

Details of votes

Candidate	Votes received	% of received votes
Dr Petra David	31	42
Prof. Dr Wolfgang Kalkreuth	19	26
Dr Walter Pickel	24	32

Voting statistics

Category	Number	as % of eligible
Eligible to vote*	96	
Returns received including abstentions	75	78
Abstentions	1	1
Invalid (spoiled/late) votes	0	0

* Full Members of ICCP - from Hon. Treasurer's Electoral List of 31.01.2007 plus 3 members who subscribed late.

★ Election for Chair of Commission III

Details of votes

Candidate	Votes received	% of received votes
Dr David Pearson	30	43
Dr Isabel Suárez Ruiz	40	57

Voting statistics

Category	Number	as % of eligible
Eligible to vote*	111	
Returns received including abstentions	72	65
Abstentions	2	2
Invalid (spoiled/late) votes	2	2

*Full and Associate members of Commission III - from Hon. Treasurer's Electoral List of 31.01.2007 plus 2 members who subscribed late.

7. Financial Matters - Treasurer's Report

Tables for the Treasurers Report are attached as *Appendix V*. The budget for 2007/2008 is given in *Appendix VI*

The Treasurer was called to present his report, but prior to reporting, he was presented with Honorary Membership. He gave his report and announced his resignation to the General Assembly.

8. Auditors Report 2005/2006

The Auditors Report is attached in *Appendix VII*.



Rabbits in plague proportions were a feature of the University of Victoria campus

9. Editor's Report

The Editor's Summary Report is given in *Appendix VIII*.

10. Website

The technical development of the website has been completed. A secure area on the website is available and has been tested for the discussion around the New Handbook Edition. User names and passwords have been provided to council members and a number of ICCP members willing to assist the review of existing text for the Handbook.

The website is currently updated with new information and presentations. It is expected that all ICCP members will be provided with a user name and password for the secure area of the website. Convenors are encouraged to use the secure website for the exchange of information and discussion (Forum). For further information contact Petra David (mailto:petra.david@tno.nl).

It was noted that both Dirk Prinz and Ralph Delzepich have done a tremendous job in developing the website.

11. New Handbook Edition

Members are referred to the Agenda and minutes for Commission I (*Appendix I*).

12. Accreditation Programs

The Accreditation Committee has functioned well and very effectively. Ángeles Gómez as the Chair of the Accreditation Sub-committee presented a summary of the 2006-2007 ICCP Accreditation round, which for the first time consisted on three accreditation programs, each derived from the work on one of the ICCP commissions. She outlined the structure of the program, the actors involved, the procedures and protocols, as well as the discount structure for those participating in multiple programs. She discussed also the trends in precision recorded in the various programs. In the round two appeals were received one requiring the analysis of a new set of samples based on poor results and the

other one questioning the criterion for excluding data based on the misidentification of the number of coals in blends. The latter is still under study by the Review Panel. This round has represented a large increase in complexity compared to previous rounds: it was the first round for the three Organizers of the programs, the first round for the Accreditation Subcommittee and Review Panel, and a significant increase of work for the Treasurer. All the actors involved were gratefully acknowledged for the work devoted to the ICCP.

13. Status of ICCP - registration

The vote following the Patras meeting was in favour of ICCP becoming a formal organization either by registration in its own right or affiliation with an existing scientific organization. In accordance with Resolution ICCPC05/12/5 submissions were sought relating to Registration. Detailed information has been received for Greece, New South Wales (Australia) and Portugal. The documents provided for the various jurisdictions differ in relation to the categories making comparisons difficult. Attempts were made by the President and General Secretary to prepare a simple table of comparisons but it was recognised that they were not comparisons of like categories. It was felt that discussions with the members providing information was required.

According to Resolution ICCPC05/12/2 a detailed set of information will be developed to allow members to make a choice for the registration location based on the data provided for Greece, New South Wales and Portugal. These papers will be put to a vote by full members of ICCP in 2008. It is being noted that acceptance of such a proposal would require alteration of the statutes and would therefore require a two-thirds majority of full and honorary members voting.

14. Revision of Statutes

The revision of the statutes will be correlated with the registration.

15. Forthcoming Elections

Nominations were called for the following positions:

- General Secretary
- Editor - the Editor having given notice of his wish to call an election for this position
- Treasurer - the Treasurer having given notice of his wish to resign from his position at the end of the 2007 meeting
- Chair Commission I
- Secretary Commission I
- Chair of Commission II - as the Chair of Commission II has been nominated for the position of General Secretary
- Secretary Commission II - as the Secretary of Commission II has been nominated for the position of Chair of Commission II
- Secretary Commission III

The holders of the positions of Chair and Secretary of Commission I are ineligible to stand again, having been in office from two periods of four years.

The following nominations were received for the positions listed, these positions would become vacant at the end of the 2008 meeting, except the position of the Treasurer which becomes vacant immediately:

- General Secretary - **Ángeles Gómez Borrego**
- Editor - **Peter Crosdale**
- Honorary Treasurer - **Jennifer Pearson**
- Chair Commission I - **Deolinda Flores**
- Secretary Commission I - **Stavros Kalaitzidis**
- Chair Commission II - **Carla Viviane Araujo**
- Secretary Commission II - *Vacant*
- Secretary Commission III - **Georgeta Predeanu**

There being no other nominations for the positions of General Secretary, Editor, Secretary of Commission I and Secretary of Commission III, the persons nominated were declared elected and the names of those declared elected are shown in **bold** print.

16. Awards

No recommendation for the Organic Petrology Award was received for this year in accordance with the Council resolution ICCPC03/7/3/2.

16.1 Thiessen Medal Award

The recommendation received from Marc Bustin, Chair of the Organic Petrology Medal Award Committee, was approved by Council and the medal was awarded to Dr. Jack Crelling, USA. Fariborz Goodarzi as the previous Thiessen Medal Awardee read the Laudatio. Both Laudatio and Reply are published elsewhere in this Newsletter.

17. Reports from the commission meetings

Reports of the meetings of the Commissions were presented during the Closing Plenary Session on 24th August by Walter Pickel (Chair of Commission I), Ángeles Gómez Borrego (Chair of Commission II) and Rosa Menéndez (Chair of Commission III). The minutes of the Commissions are presented in *Appendix Ia*.

18. Report from the council meetings

The President summarised the council discussions and decisions. A summary of the council minutes is given in *Appendix Ib*.



Jeff Quick (L), Col Ward and Lopo Vasconcelos (R) find something to laugh about at the ice breaker

19. Relations with TSOP

No new developments have occurred in relation to this matter during the year.

20. Feedback from members

No business under this item.

21. Closing address of the departing President and welcome to the new President

The outgoing President Alan Cook gave an overview of some major features of ICCP activities over the past 8 years. This overview is given in *Appendix IX*. He thanked the General Secretary for her excellent work and support during the past years of co-operation. The new President Petra David emphasised that it has been a pleasure to work with Alan Cook and that she was going to continue the processes started by him.

22. Social program and Field trip

The icebreaker party took place on Sunday, 19 August 2007 at the University Club, and was sponsored by Pearson Coal Petrography, Inc. and hosted by Dave and Jen Pearson.

The splendid conference dinner (held jointly with TSOP) took place on Thursday, 23 August 2007 at the Church and State Wineries in Brentwood Bay and started with a Wine Tasting Event for all participants.

The field trip on Saturday, 25 August 2007 started early at 8.00 am and the first stop was the wonderful floral display of Butchart Gardens. The Gardens had just opened their doors in the morning and we were about the first to enter. We admired the beautiful Sunken garden, enjoying the scent of roses in the charming Rose Garden and discovered the peace of the Japanese Gardens.

Butchart Gardens originate from the early 20th century, when 1904 Jennie Butchart's husband, Robert Pim Butchart, had abandoned a worked-out quarry site left behind from his pioneer work with Portland cement. Mrs. Butchart then began to

beautify the exhausted limestone quarry by committing herself to the gradual horticultural development of what later became the Butchart Garden.

Second stop was the scenic view from Bamberton, which is located on the Saanich Inlet, just south of Mill Bay, 45 kilometres north of Victoria. We enjoyed the views across the inlet - to the east are the shores of the Saanich Peninsula, with the southern Gulf Islands and Mt. Baker beyond. Rising sharply to the west are the mountains of south Vancouver Island. Of particular interest in this area is the abundance of arbutus trees, identified by its thick, leathery green leaves, reddish trunk and peeling bark. The arbutus is Canada's only broadleaf evergreen and is found only on Vancouver Island and the lower coast of mainland British Columbia.

At lunch time we stopped at Cowichan Bay. Cowichan Bay was the earliest development north of Victoria, with Europeans settling on the secluded Cowichan Bay to farm and trap, and eventually moving into fishing and logging. Today, the village of Cowichan Bay and the surrounding area is home to a host of artists, craftspeople, and cottage industries - including some fine local wineries. We were lucky to watch some seals in the water and to finish our lunch before the big rain started.

In the afternoon we visited the Quw'utsun Cultural Centre is centrally located in Duncan, midway between Victoria and Nanaimo, on picturesque Vancouver Island. The centre is on 6 acres of beautifully landscaped grounds along the banks of the Cowichan River.

The QCCC offers a truly unique experience, sharing the stories and traditions of the Cowichan people from hundreds of years ago. We were welcomed by a performance of native dancing, followed by a multi media presentation - 'The Great Deeds' which depicts an oral history of the Cowichan People. Our visit was finished by a cultural interpretive tour, where the cultural interpreter shared the oral legends, teachings and stories with us, which began long before recorded history and have been passed from generation to generation. The Cowichan people are well known for their traditional making of a Genuine Cowichan Sweater from wool and the traditional carving - the transformation of a cedar block into a symbolic piece of art.

On our way back to Victoria we passed the Goldstream National Park. This park lies within a

beautiful old growth temperate rainforest. Trails lead through two distinct vegetation zones.

Heading back to Victoria, we got an interesting scenic drive along the coast, passing different style urban areas. We stopped at the viewpoint above Finlayson Point.

How big was our surprise when we heard that before the dinner at the University Club we were invited to visit the Pearson's House to have a drink there and visit the laboratories. It was great! We really enjoyed this gorgeous day and would like to thank the organisers for making this possible. It has been a very well organised meeting!

02 October 2007

Petra David
President

Ángeles Gómez Borrego
General Secretary elect

Appendix Ia Minutes of the Commission meetings

Appendix Ib Report from the council meetings

Appendix II Overview of oral and poster presentations of the TSOP Technical Sessions and the Fariborz Goodarzi Symposium.

Appendix III List of participants

Appendix IV Short introduction of new (Associate and Full) Members

Appendix V Summary Tables for the Treasurer's Report

Appendix VI Budget for 2007/2008

Appendix VII Auditor's Reports 2005/2006

Appendix VIII Editor's Summary Report

Appendix IX Overview of the outgoing President



Ángeles Gómez (L) and Petra David find some plain yellow Zinnias to be quite a relief from the untolled expanses of brightly coloured Begonias to be found in the Butchart Gardens (photo: P. Hackley)

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix Ia - Minutes of the Commission Meetings

Minutes of Commission I General Coal and Organic Petrology 59th ICCP Meeting Victoria 20th and 21st August, 2007 *Chair: Dr. Walter Pickel* *Secretary: Dr. Deolinda Flores*

Opening remarks

The Commission I meeting was held on Monday afternoon and Tuesday morning and attended by 31 and 30 members and 8 and 6 guests respectively. The Chairman outlined the programme for the sessions and presented the opening remarks.

The working groups and items presented and discussed in the meeting were:

- SCAP - Single Coal Accreditation Program
- Standardization Working Group
- Handbook Editorial Group
- New Methodologies and Techniques in Organic Petrology
- Degradinite Working Group
- Peat Petrography Working Group
- Temporal variations of coals
- Microscope session

Commission I activities also included a presentation by Carl Hilgers of the latest developments and improvements of the "Hilgers" instrument for reflectance and maceral analysis.

The Chair of Commission I reminded the audience of the service to calibrate standards against the ICCP Reflectance Standard available from Dave Pearson and Walter Pickel to interested laboratories (USD50 and free for ICCP members). Until now more than 30 laboratories had their standards checked against the ICCP standards.

The opening remarks covered the progress in the revision of the ISO 7404 Standards (Parts 2, 3 and 5). They are ready as CD version and, at this moment, are circulated within the ISO country members for voting. The Chair requested ICCP members to approach the institutions of their countries for voting.

Concerning the Standardization WG, Walter informed that during next year two round robin

exercise will be performed, one on one or two lignite samples, one on a bituminous coal sample. It was also noted that the convenor should be careful with instructions and purpose of the exercise that must be clearly written and presented. A subsequent discussion arose regarding the way to approach the exercise. The convenor took the advice on board.

Nine members enrolled for the exercise on the bituminous coal at the meeting. Members, who were not able to attend the meeting but are interested to participate, are welcome and can request a sample from Walter Pickel.

The lignite round robin will be held among the same members as the last lignite exercise. Additional members are of course welcome.

SCAP - Single Coal Accreditation Program - *Kimón Christanis*

The Convenor presented the report summarising the 2006 SCAP Exercise sent to the Chair of the Accreditation Sub-committee on 21st February 2007 as follows:

"The 2006 SCAP exercise began in February 2006, when the Organizer invited by e-mail all participants of the 2004 exercise, as well as all the ICCP members to take part. The exercise was also announced in ICCP NEWS 37 (March 2006).

The participants

About 82 analysts (plus two Automatic Image Systems) working at 42 laboratories located in 17 countries expressed their willingness to participate in the 2006 exercise. The numbers of both the analysts and the laboratories by country are as follows:

- 21* from Australia (9 labs),
- 4 from Brazil (1 lab),
- 4* from Canada (2 labs),
- 2 from Colombia (1 lab),
- 1 from Czech Republic,
- 2 from Denmark (1 lab),
- 13 from Germany (7 labs),
- 4 from India (1 lab),

2 from New Zealand (1 lab),
1 from Poland,
2 from Portugal (1 lab),
1 from Serbia,
4 from South Africa (3 labs),
2 from Spain (1 lab),
5 from The Netherlands (2 labs),
6 from United Kingdom (2 labs), and
10 from the United States of America (7 labs).
*One Automatic System is included.

About 49 participants are ICCP members, 33 are non-members, whereas both Automatic Systems are operated by ICCP members. Comparing with 2004, the 2006 exercise lost 15 participants and won 29 new participants. From the new beginners, 9 analysts were already ICCP members, while 4 others have applied for and gained, in the meantime, ICCP membership. Four participants are postgraduate students.

The timetable

After registration and invoicing, two or six coal samples have been mailed to the analysts in April. As the number of the available un-mounted samples was limited, also polished blocks from the SCAP collection have been distributed, preferably to the new participants.

The return of data was completed by mid of October. Typing and calculation errors found in the data received from the analysts have been corrected until the end of the month.

The assessment of the VR and VC data was completed by early December, the participants have been informed about their performance in early December, and the certificates were dispatched before the turn of the year. Since mid February 2007 the list of the accredited petrographers with all their contact details is available on ICCP's webpage.

It has to be noted that following the practice of the previous Organizer and according to the exercise timetable announced in February 2006, a preliminary assessment procedure was scheduled. Due to difficulties and delays with the data assessment as described below, the preliminary assessment could not be carried out.

The assessment

From the 82+2 participants, 80 submitted results for both VR and VC accreditation, one for VR and two for VC accreditation only. One participant has not

submitted results, although the deadline was extended till mid of October.

The main problem the 2006 exercise had to face, was the reconstruction of the full dataset of all the individual VR and VC results submitted by the participants in all the past exercises and, of course, the accurate calculation of the group mean (GM) and the standard deviation (SD) for each coal. For a few of the 17 coals used in the previous exercises, small differences (affecting the GM and SD values of some coals after the third decimal place) in the GM and SD values appeared among the files received from the previous Organizer.

In order to solve this problem, the Chair of the Accreditation Sub-Committee, the President and the Organizer cooperated 'digging' for several weeks in all the files of the past exercises. The dataset resulted in what can be seen as the possibly most complete.

Thereafter the calculations of the GMs and the SDs for each coal, as well as of the UMSD, SMSD, AUMSD and ASMSD values for each participant was carried out manually using EXCEL.

It is worthwhile to note that the software prepared by Paddy Ranasinghe for the SCAP assessment could not be used at this time as it prerequisites a correspondence between all the data loaded and participants; these were not known for some previous exercises. Paddy, however, made all necessary arrangements and the program can be used in the 2008 exercise.

The results

The results are as follows:

- from 81 VR candidates, 77 participants awarded accreditation (VR failure 4.9%),
- from 82 VC candidates, 77 participants awarded accreditation (VC failure 6.1%).

The failure percentages are higher than in the previous exercises but we have to take into account the great number of the new beginners this year. Three of them (among four, in total) failed in VR and three others (among five, in total) failed in VC accreditation, respectively. From the participants, who were not accredited, only one (new beginner) failed in both VR and VC analyses. It also needs mentioning that another new participant applied visual estimation of the maceral-group contents and thus was excluded from the evaluation.

One appeal has been submitted to the Accreditation Sub-Committee. This could not be accepted as there was not any problem with sample

identification, result interpretation or data analysis. After finishing the exercise, polished blocks have been distributed to a few failed participants upon request for training and improving their practice.

Remarks & Suggestions

After the experience gained from the 2006 exercise I would like to suggest the following issues concerning the future SCAP exercises:

- ▶ A broad advertisement of SCAP in combination with the other accreditation programs has to be attempted (among the TSOP and CSCOP members, maybe also through the International Journal of Coal Geology and other Journals) in order to gain more participants.
- ▶ Between the deadline announced in the SCAP timetable and the final acceptance of the results a smaller tolerance is needed. This was my intention at the beginning but given the complications of the data evaluation, I accepted results sent up to mid of October.
- ▶ Participants awarded accreditation but having either AUMSD values within the danger zone or individual UMSD values extremely high can apply for analyzing six samples in the next exercise. In this case their old data will be ignored and they can be treated as new starters. However, all their VR and VC data will be included in the dataset for the GM and SD values calculation of the certain coals.
- ▶ One question requiring decision concerns the retention or removal of the VR and VC values of the failed participants. Up to the 2004 exercise, the data provided by the failed participants were removed from the dataset making, of course, the next exercise more difficult, as the SDs became smaller.
- ▶ One decision might be also necessary regarding the retention in or the removal from the dataset (for calculation of the GM and SD values) of extreme high or low VR or VC data provided by participants. If the participant does not fail, there are three options:
 1. To retain the extreme data in the dataset. This results in making the next exercises easier for the participants analyzing the certain coal.
 2. To remove the extreme data from the dataset. In this case the next exercises will be more difficult for the participants analyzing the certain coal due to a smaller SD.
 3. To establish a limit value, e.g. 5xSD. If the VR or VC values provided by the participant

are higher than the limit set, then this limit value (e.g., 5xSD) has to be included in the dataset for the GM and SD calculations for each coal.

- ▶ Finally, it is necessary to repeat that sub-bituminous and bituminous coal samples (> 2 kg, on a dry basis, low mineral matter content) are welcome in the SCAP Sample Bank!

Acknowledgements

I would like to express my gratitude to the following colleagues for the continuous and sound support for running the 2006 exercise during the last year: all the members of the Accreditation Sub-Committee, the President, the Honorary Treasurer, the Secretary General, the previous Organizer and Paddy Ranasinghe.”

Kimon made an appeal to all ICCP members to send coals to be included in the SCAP coal bank to be used in the next exercises. Coal samples are urgently needed if the ICCP decided to send bulk samples for the next exercise. Suitable samples must be not blend coals, have a vitrinite reflectance between 0.5% and 1.8% and be low ash coals with a mineral matter content ranging 8% to 14% (preferentially < 10%). Isabel offered to provide a sample. Alan expects to send 3 coal samples.

Commission I congratulated Kimon for all his work and effort spent during the last two years to reorganize the SCAP as well as the conducting the 2006 exercise.

New Handbook Editorial Group –

Petra David

Petra David presented the progress until 2006 on the activities on the preparation of the New ICCP Handbook Edition.

The text from previous Handbook versions and publications has been scanned and is available in editable text format. The sheets have been formatted for a common layout and pre-checked for consistency and a number of sheets have also been corrected for spelling and language mistakes.

Draft Structure of New Handbook Edition has been defined on previous meetings as follows:

- 1 Introduction
- 2 Definitions
- 3 Lithotypes
- 4 Microlithotypes

- 5 Maceral groups
- 6 Classification of dispersed organic matter
- 7 Methods
- 8 Coal Utilization
- 9 Other terms
- 10 ICCP services
- 11 Glossary of terms
- 12 References

For major parts, the text for a new Handbook Edition is available and the first version of it will be published as a CD ROM or DVD. For the preparation of the first version, with a minimum of information included, the status of the material available is the following:

Definitions (Chapter 2)	Text available and reviewed
Lithotypes (Chapter 3)	Text available and reviewed
Microlithotypes (Chapter 4)	Version as approved by GA
Maceral groups (Chapter 5)	
Vitrinite	Published
Inertinite	Published
Liptinite	As approved by GA
Classification of dispersed organic matter (Chapter 6)	To be drafted and added at a later stage
Methods (Chapter 7)	Text is available but needs major revision
Coal utilization (Chapter 8)	Incomplete: Chapter reviewed and partly revised Chapters on coke and combustion residues to be drafted
Other terms (Chapter 9)	Comprises published sheets on Graphite, Semi-graphite, Natural coke, Natural char, sheets on bitumens and oxidation to be added later
ICCP services (Chapter 10)	To be drafted, but information largely available
Glossary of terms (Chapter 11)	To be drafted and added at a later stage

As it can be noted in the table there is some work

that must be done. Following the recommendation drawn at Bandung last year it is necessary to extent the Editorial group and to find volunteers who coordinate different activities and/or review and revise existing texts and draft new ones. The assignment of volunteers to prepare work and to coordinate the preparation of the chapters that are not yet covered was also discussed. Some members agreed to incorporate a small group to do this hard work. These items and collaborators are:

- Lithotypes – Peter Crosdale
- Microlithotypes – Walter Pickel
- Maceral groups – Kimon Christanis
- Coal Utilization – Petra will contact Alan Davis
- Other terms – Barbara Kwiecińska and Henrik Petersen

Concerning Classification of dispersed organic matter item Petra reported of an existing ICCP/TSOP classification but there are not definitions of the terms. Ángeles will send the Table with the classification in order to arrange some members to prepare the texts of the missing definitions.

Major activities are not yet covered such as: (i) Compile references in a consistent format and create a small database; and, (ii) Collect photomicrographs and create a small database. Alan will prepare notes on desirable requirements needed for this ICCP publication concerning format and resolution of the pictures.

This year an email was sent to all ICCP members asking for assistance. Several members answered positively and were provided with a username and password. To proceed activities during the next year, Commission I agreed to use the secure area of the ICCP website. The Forum will be used for discussion and uploading files. Petra showed to the audience how the secure area of the ICCP webpage works and how it can allow members to use it. An announcement will be made in the ICCP News letting ICCP members know that all the documentation is available on the secure area of the webpage and members interested to collaborate can ask for a username and password. It was also discussed that it will be possible to make some changes on the published texts as the final version of them, even the one already published, must be approved by the General Assembly.

Finally Petra thanked all volunteers and those who have indicated their willingness to participate in this work to prepare the New Handbook Edition.

Degradinite Working Group –
Peter Crosdale

A report of the 2006-2007 activities was summarized by the convenor. Background information about Degradinite and its microlithotype Hydrite was presented and a detailed discussion of this problem was already published in ICCP News No.26, July 2002. It was noted that it occurs in: (i) Tertiary of Japan (Asai and Tanno, 1956), New Zealand (Crosdale, 1993, 1995 but called bituminite); Indonesia (Crosdale, pers. comm.) and Malaysia (Dr Wan Hassia, pers. comm.); (ii) Oligocene of Upper Bavaria (ICCP, 1963), and (iii) Jurassic of Surat Basin, Australia. For the 2006 – 2007 exercise 2 polished thin sections of coal samples from the Miocene North Wanganui Basin of New Zealand were prepared by a commercial laboratory (unfortunately the sections turned out to be very poorly made). A series of photographs of the same field were made in transmitted, reflected and fluorescence modes (by Alan Cook) from 4 different areas (set A, B, C and D) and distributed to participants. A selection of 20 points was made on one of the photomicrographs (set B) and participants asked to identify all macerals – giving as much information as they thought useful.

Three members performed the exercise and the results showed that there are macerals that are undoubtedly identified (8 points) by all participants, others some agreements were reached (5 points) and others with no agreement (7 points). The critical aspects were discussed by the audience. A discussion within these aspects had already taken place during the microscope session where the polished thin sections were looked at and discussed.

The status of ‘degradinite’ still remains uncertain. Many would agree that it is synonymous to bituminite, in which case one of the terms is redundant. It was proposed to do more polished – thin sections as they proved to be extremely useful but need a good lab to prepare suitable samples. It was pointed out the necessity to have a chemical composition of the maceral mainly some microprobe analysis. It was suggested to ask Lila Gurba or Colin Ward to perform this analysis. A discussion on this subject started during the microscope session and continued after the presentation of the 2006-2007 activities. It was agreed by those present that this maceral belongs to

the liptinite group, thus the note on degradinite in the vitrinite definitions should be removed.

Peat Petrography Working Group –
Kimon Christanis and Stavros Kalaitzidis

A report on the 2006 round robin exercise and a summary of the 2004-2005 round robin exercises were presented by Stavros. 2004-2005 round robin exercises were performed using a photo-gallery file distributed among the participants. Each participant was asked to use his own-understanding “terms”. In 2004 11 members conducted the exercise and in 2005 only 9 members replied.

In the 2006 exercise, 2 polished blocks were distributed to the 10 interested analysts. They were asked to perform qualitative assessment, description of macerals and to define possible problems. They were also invited to take photos from usual and specially unusual aspects. Only 4 participants replied, 2 participants sent only images, 1 participant gave images and qualitative description and 1 participant replied and included comments, maceral analyses, reflectance data and images. Selected photos of previous exercises were presented and discussed. A discussion arose about the identification and differences between densinite and attrinite shown in selected pictures.

Next year, the convenors will circulate all the material among WG participants and using webpage forum to discuss unusual and problematic aspects. When an agreement is reached a polished block will be sent to the participants of the WG to perform maceral analyses. Ángeles suggested that convenors should ask specific questions in the exercise. A final report of all activities will be prepared and presented in Oviedo.

Temporal Variation of Coals –
Lopo Vasconcelos

Lopo presented the draft final results of the WG. Up to now the WG managed to produce a data base with 7623 data of world coals, which includes information on the following parameters: Sample identification (Continent, Country/Territory, Coal Basin, Coal Field, Sample Reference, Coal Seam, Type of Sample), Age (Era, Period, Stage), Type of Basin, Petrography (mmf, H,V,L,I, V%R), Maceral

Groups (old and new classifications), Minerals, Microlithotypes, Carbominerites, Minerite, Literature.

The following steps are (i) to make a final revision of the data base to detect possible and probable errors/mistakes, (ii) to include the data base in the ICCP webpage in a protected area and (iii) to present a final report of the WG at the Oviedo Meeting in 2008. It was also decided that the WG will produce some interpretation diagrams that will be included in the website in an open area, with ICCP logo for copyrights.

New Methodologies and Techniques in Organic Petrology – Lila Gurba

On behalf of the Convenor Zhongsheng Li presented a talk on the new advances on Electron Microprobe Analysis and Micro-FTIR of macerals and their applications in coal utilization.

Variations in the elemental composition of macerals in coals over a wide range of coal ranks, using light-element electron microprobe techniques, to establish the coalification tracks of key macerals in a single coal-bearing interval from subbituminous through bituminous coal to anthracite have been studied and presented.

Attenuated total reflectance micro-Fourier transform infrared (ATR-FTIR) spectrometry has been used to characterise coal macerals, in particular telocollinite, changes in the aromatic and aliphatic functional groups, over a wide rank range in coals.

Inorganic elements were found in electron microprobe studies of coal macerals, especially vitrinite macerals, without any visible minerals or mineral inclusions in the macerals concerned. Detailed mapping of the concentration of these elements in macerals of several low-rank coals reveals that a majority of inorganic elements occur as non-mineral entities rather than discrete mineral particles, and are intimately distributed throughout the macerals; the distribution of these elements is very similar to that of organic S, particularly in the collotelinite and fusinite of the same coal samples. Further, the applications of these studies in coal utilization such as: Coal Utilisation, Ultra-clean Coal Combustion, as well as CBM production and CO₂ sequestration in coal seams, were presented. Finally, these studies permitted to draw the following conclusions:

Microprobe analysis can indicate:

- Coalification tracks of macerals with rank advance
- Rank in coals with suppressed reflectance
- Inorganic elements that may react unfavorably in combustion or gasification or may survive demineralisation processes
- Detailed nature of cleat and other mineralisation that may affect gas drainage or CO₂ sequestration

Micro-FTIR of macerals may further identify:

- Functional groups in different macerals, including aliphatic/aromatic characteristics of vitrinites with normal and suppressed reflectance

Applications

- Calcium may be a problem in slagging, but may have favorable catalytic effects in gasification processes

Presentation of a New Organic Petrology Microscope - Carl Hilgers

The “Hilgers” petrologic microscope was first presented to the ICCP at the Patras meeting in 2005. Since then, the software “Diskus Fossil” has been considerably upgraded and modifications to the microscope have been introduced.

The system presented at the Victoria meeting included the microscope Leica DM 4000 M, a Märzhäuser scanning stage Ecostep with a coaxial manipulator, a Basler black and white camera and the software Diskus-Fossil version 4.80.

Light emitting diodes (LEDs) have replaced halogen and mercury lamps for illumination. The diodes require no warm-up time to reach stability and they do not generate heat. Reflectance can be measured as soon as the system is turned on and calibrated. According to the manufacturer the life cycle of an LED exceeds 10.000 hours by far.

The microscope can be simply switched to fluorescence mode at any time during maceral analysis and reflectance measurement, without a need to re-calibrate for reflectance analysis afterwards. Expensive mercury- or xenon-arc lamps have been replaced by economic and durable LED bulbs with an excitation wavelength of 440 nm.

The change of illumination is done by a simple key stroke/click on the interactive screen surface and by pulling out the white light LED which is mounted on a barrier filter that blocks the blue

light, when in the light path.

A new 'live' measurement mode enables the user to take measurements at any location on the image area continuously.

Rmin/max can be measured by means of a rotating stage. At present an automated rotating polariser is going to be developed to enable Rmin/max determination also with microscopes not equipped with rotating stages.

The option to combine maceral analysis and reflectance measurement in one operation provides quick information about the sample (rank, single coal or blend) and a saving of time for the operator.

The system provides the option to save all images during reflectance measurement and in fluorescence mode.

Analysis reports including all data of the reflectance measurement or maceral group and maceral analyses as required by ISO standards can be printed. The data can alternatively be exported into ASCII files, which can be easily imported in software like MS-Excel to create individual test reports.

For contact details of Carl Hilgers please contact Walter Pickel.

Microscope Session

The microscope session took place on Monday afternoon and Tuesday morning using Carl Hilgers system and was attended by a large number of members.

Samples from the Degradinite WG were looked at and discussed at the Microscope Session. Peter gave an introduction addressing the problem that was to be discussed and looked at as his presentation following the session.

It was consensual that by using only microscope observations it is not possible to advise if Degradinite belongs to the vitrinite group, liptinite group or elsewhere. It is necessary to approach the problem using other techniques to compare with other materials. On the sequence of this discussion, it was suggested to ask Lila Gurba for microprobe analysis. John Crelling volunteered to perform some microanalyses to have all the data on the material before deciding where it belongs.

Commission I would like to thank Carl Hilgers for this opportunity and for all technical assistance during this microscope session.

Minutes of Commission II Geological Applications of Coal and Organic Petrology

59th ICCP Meeting Victoria

21st and 24th August, 2007

Chair: Dr. Ángeles Gómez Borrego

Secretary: Dr. Mária Hámor-Vidó

Opening remarks

Commission II meeting started at 14:00 h. at the Haro Room on Tuesday on 21st August and was attended by 41 participants. Among the participants 33 were ICCP members and 25 were members of Commission II. As this year was the last one in duty for the secretary and the end of the first turn for the chair person, the activities of the last years were reviewed highlighting the progress in different working groups and the publications and training products produced in the last years as consequence of the work developed in the working groups.

The activities started with the presentation of the most recent ICCP training material in Commission II (from 14:15 to 14:55).

“Atlas of Anthropogenic Particles”

Edited by M. Mastalerz & J. Hower

Maria presented a summary of the atlas content which is a CD with a power point layout, in which particles are classified according to the source/origin and site of deposition. The Atlas is the most recent product of the Environmental Applications WG of the ICCP and contains a comprehensive compilation of images taken under different illumination conditions with a description of the image content. The atlas is available through the ICCP editor at a cost of 20\$US + 5\$US postage.

“Qualifying vitrinite for DOM reflectance analysis”

Edited by Ángeles G. Borrego

The training material consist of a CD and 4 mounted samples analysed by the qualifying vitrinite for reflectance WG over the last years. Ángeles went through the atlas content which has a significant training potential for identification and

selection of vitrinite particles in rocks with dispersed organic matter. The atlas allows displays the results of the participants in the various exercises and also allows the performance of the exercise and the comparison of the results against the pool. It also contains the publications of the WG in different media. The CD is available at a cost of 20\$US and the complete kit with the samples at a cost of 150\$US for non members and 50\$US for both ICCP and TSOP members.

Environmental Applications of Organic Petrology WG

Convener: Maria Mastalerz

New Convener: Hamed Sanei

Maria Mastalerz reviewed during the presentation of the Atlas the activities of the WG over the last years and mentioned the documents available from literature compilation, which will be soon available in the secure part of the website. She already mentioned last year that she could not continue as convener of the WG because of heavy workload but offered her support to the new convener. It appears that the general feeling is that environmental issues are expected to increase in importance and that the activities of the WG should continue. On Friday 24th August the Chair announced that Hamed Sanei had accepted the environmental Applications WG.

Accreditation Program DOMVR

Organizer: Alan Cook

The presentation started at 16:05. Alan Cook reviewed the performance of the last accreditation round, which was also the first one for the measurement of vitrinite reflectance in dispersed organic matter. The participants provenance and the range of samples analysed were reviewed. Overall the results were very satisfactory and the samples have shown to be applicable for the purpose. Some microphotographs were distributed with samples, which have proven to be very helpful for the identification of vitrinite. The results of the first round showed that there is interest for this kind of accreditation and it is expected an increase of participants for the next round. It was noted that samples for DOMVR are particularly difficult to get and therefore people are encouraged to contact the organizer if they consider to have samples

appropriated for the program. The enormous amount of work involved in the initiation of an accreditation program including, establishment of sample coding, sample storage, sample distribution, correspondence with participants, evaluation of results, preparation of individualized reports and diplomas was noted and the organizer was gratefully acknowledged for that.

Identification of Dispersed Organic Matter Working Group

Convener: Jolanta Kus

At 16:50 the chair presented on behalf of Jolanta Kus a summary of the activities of the WG prepared by the convener. Jolanta stressed in the presentation that at present the WG only deals with kerogen concentrates and that all the examples classified in the round robins have been taken on images from kerogen concentrates. This aspect was further discussed by the attendants and no reason was found to focus on kerogen concentrates considering that the audience mainly work with whole rock preparation and that the classification system does not distinguish between different types of preparation. It would be therefore desirable to extend the scope of the WG to any type of sample preparation, in particular whole rock, which appears to be the sample preparation type more generally used. It was also suggested that the provision of some general views of the sample could facilitate the further classification of the individual components as well as some information on maturity.

“Petrological Atlas of Fossil Organic Matter of Russia”

Presented by Ida Volkova

At 17:10 Ida Volkova presented the Atlas on Russian organic matter. The Atlas contains data on petrography of Russian oil shales and coals ranging in rank from brown coal to meta-anthracites of the Palaeozoic, Mesozoic and Cenozoic. It also contains information on petrography of coal graphites and shungites. Geological application of organic petrology is represented by examples of Dispersed Organic Matter, oil- and gas-bearing rocks and other sedimentary Formations. The Atlas

contains more than 160 plates with colour micrographs of coal thin sections taken in transmitted light as well as black-and-white micrographs of polished blocks taken in reflected light. Three maps are appended to the Atlas: the Map of Coal Presence, Quality and Resources of Coals in Russia, the Map of Oil-Gas bearing of the Russian Federation, and the Map of Fuel and Energy Resources of Russia (scale 1:10,000,000). Further details on the Atlas Acquisition will be provided in the ICCP News.

Thermal Indices Working Group

Convener: Carla Araujo

The presentation of the status of the WG started at 17:25. Carla gave an overview of the WG activities and indicated the publications derived from the work. A publication compiling the results of the last few exercises, which had a similar scope and a relatively homogeneous set of results is under preparation. She intends to make available a training set for fluorescence measurements in which the samples analysed by the WG will be available together with the participant's results. She also presented the samples for the new round robin exercise, which will consist on a maturity series from outcrop samples from the same sedimentary facies of Lower Cretaceous from Argentina. The exercise is challenging in the convener's opinion because of the scarcity of organic matter but was accepted by the audience.

Coal Bed Methane and CO₂ Sequestration Working Group

Conveners: Peter Crosdale & Lila Gurba

Peter initiated at 17:50 the presentation on the status of the CBM and CO₂ sequestration WG, which in the last years went back to the original objective of isotherm standardization. In order to prepare the samples for the next round robin went through a questionnaire to take into account the range of sizes and conditions typically used by potential participants.

Commission II program continued on Friday 24th August in the morning. All together 26 participants attended on this meeting, out of which 21 were ICCP and 14 were Commission II members.

Dispersed Organic Matter in Sedimentary Rocks – Classification, Identification and Thermal Maturity

*Conveners: Mária Hámor-Vidó and
Wolfgang Kalkreuth*

Maria started at 08:00 with the presentation of the status of White Paper in which more than 75% of the text is available and missing chapters will be prepared for the next year. It was mentioned that all the documents appear to have been prepared by a limited number of people and that it would be desirable to have the input of larger audience. The present format of the Web site allows us some interactive work. The single document will be uploading in the secure part of the web site as individualized chapters to ask for ICCP members' input.

Re-appraisal of Previous Activities in Commission II

Convener: Ángeles G. Borrego

Following the decision taken at Patras of making available old documents generated over the years in Commission II, the convener presented the advances occurred during the year. The presentation initiated at 08:30 with a summary of the last year presentation based on the report available from Neely Bostick on MOD-20-24. The document contains very interesting results on ring analysis of vitrinite reflectance of samples taken on the vicinity of a dike. The report will be available in the secure part of the Web site.

The second part of the presentation dealt with the reports by Senftle 1986-87, 1992, and Castaño 1995 and 1996. All these exercise dealt with the influence of isolation procedure on kerogen identification and/or vitrinite reflectance measurements and therefore could be treated together. There are still some documents to be reviewed with a similar scope that will be added in the next year. The results indicated that both the difference in vitrinite reflectance and the

component contents recorded appear to be sample sensitive and therefore further efforts to address this question are needed.

It appears that the original objective of the isolation WG, this is the assessment of the influence of kerogen isolation procedures on the optical parameters of organic matter, deserves further effort in order to be assessed in a systematic way. It was decided to continue with the activities of the Isolation of Organic matter WG and **Joao Graciano Mendonça Filho** from the University of Rio de Janeiro accepted to convene the future activities of the WG.

After the presentation of the WG activities, it was remembered that Commission II is open for new WGs to be implemented and that the desired steps for the initiation of a WG are:

- ◆ Identify a problem which need to be solved or a subject that deserves attention
- ◆ Suggest a way to address the problem or question
- ◆ Make a preliminary working plan (Ideally no longer than four years, (including objectives, working plan and deliverables)
- ◆ Contact the chair and/or secretary of the Commission (Inter-meetings Chair: <mailto:angeles@incar.csic.es>; Secretary: <mailto:carla@petrobras.com.br>)
- ◆ Present the proposal at the next Meeting

When submitting a proposal for a new WG, please keep in mind that:

- ▶ It should deal with a subject in which petrographic analysis or petrographic composition are directly or indirectly involved
- ▶ It should be related to some extent to geological problems for being allocated in Commission II
- ▶ It should be a subject in which the ICCP expertise is needed. Local or regional studies are more appropriated for individual work.
- ▶ Participants do not need to be necessarily ICCP members

Before closing the leaving secretary **Mária Hámor-Vidó** was thanked for the years of excellent dedication to the Commission II activities and the new secretary **Carla Viviane Araujo** was welcomed.

Minutes of Commission III
Industrial Applications of Coal and Organic
Petrology
59th ICCP Meeting Victoria
24th August, 2007
Chair: Rosa Menéndez
Acting Secretary: Henrik I. Petersen

Opening remarks

The session of Commission III was held on Friday the 25th August from 10.30-15.30 and was attended by approximately 38 members and guests.

Rosa Menéndez has been chair of Commission III the last 8 years, and she summarised the activities of the commission from 1999-2007. During that period H.I. Petersen was secretary from 1999-2004 and G. Predeanu from 2004-2008. I. Suárez-Ruiz will be the new chair.

Commission III deals with industrial applications of the organic petrology. In 1999 the existing working groups (WG) were: Coke petrography WG, Automation WG, Combustion WG, Coal blends WG, Inertinite in combustion WG and Improved image analysis WG. During this time some of the WGs accomplished their activities and new ones were born. Current situation of the initial WGs is as follows:

Coke petrography WG was active in the past, and a simplified coke classification system was developed and applied. The WG is considered very necessary but it needs an important input at present time. The number of people involved in coke petrography in the ICCP has decreased in the last few years. It was decided to try to contact people in the industry and scientists in relation with them in order to find out the actual needs. Jack Crelling will act as contact person to organize what could be considered an advisory group. Actions will be taken before Christmas. H. Eickhoff and A. Cook are the convenors of the WG.

D. Pearson is convenor of the **Automation WG**, which is not continuously active. The WG provides support to other WGs when needed.

Combustion WG has been highly active, with Edward Lester and Diego Alvarez as convenors. The WG group performed several Round Robin exercises and developed a combustion char classification scheme. A CD-atlas is available. It was decided to aim at publishing a paper on the char classification system and to close this WG.

Coal blends WG (Isabel Suárez Ruiz, convenor), after achieving the proposed objectives brought about the Coal blends accreditation

programme (CBAP) with great success.

Inertinite in combustion WG has accomplished its objectives and Ángeles Gómez, its convenor, presents a summary of the main achievements during this meeting.

The new WGs include: **reflectance to determine structural order**, with Swaska Pusz as convenor; **improved image analysis**, dealing with cleats, and Cristina Rodrigues as convenor; **identification and petrographic classification of components in fly ashes**, Isabel Suárez Ruiz and Bruno Valentin being the convenors. Activities of the last two are presented during the meeting and in the case of reflectance to determine structural order, which was not active in the last few years, Swaska offered to take again the duties as convenor and to reactivate the WG. This WG had an intense activity at the beginning with excellent results.

11:00-11:15, presentation by Johannes van Heerden, Sasol, South Africa

describing Sasol Technology activities and why coal and coal gasification products petrography is important for optimising their activities.

11:15-12:00, Inertinite in combustion Working Group -

Convenor: A.G. Borrego

The activities of the WG from 1995-2001 + 2007 are presented, including a summary of exercises, classification system etc. As well as the Inertinite in Combustion WG Atlas, which includes 641 classified images. The convenor asked for approval of the layout/format of the atlas and description of the classification groups. Both were accepted, pending editorial changes. The convenor anticipates that the atlas will be ready about March 2008.

12:00-12:30, Improved image analysis Working Group -

Convenor: C. Rodrigues

The convenor described the evolution of the WG, which aims at analysing the cleat system in coals. A comprehensive summary of the working programme of the WG was given. During the last exercise 3 participants submitted data. The results were encouraging with a good degree of agreement.

14:00-14:30, Accreditation programme on coal blend analysis -

Convenor: I. Suárez-Ruiz

The convenor gave a comprehensive report on the results of the last exercise. A total of 18 participants participated; 16 responded, failed. The first CBAP exercise is a success. The convenor called on the participants to follow the deadlines and requested formats. A total of 15 coals in the coalbank are ready to be blended, but usable coals for the programme are received with thanks. Coals must be not weathered but do not need to be taken under inert atmosphere.

14:30-15:00, Identification and Petrographic Classification of Components in Fly Ashes -

Convenor: I. Suárez-Ruiz

The WG was established in 2005 in Patras, Greece. Images of different components have been shown by the convenor, reviewing the classification criteria. Studied samples were from European power plants. The Round Robin exercise was performed on 210 pdf files and precise instructions were given. Results showed a good agreement in the organic fraction, the removal of the "partially fused" qualifier being suggested. In 2008 it is proposed a Round Robin on pictures of fly ashes from co-combustion and fluid bed combustion.

15:00, Closing remarks

R. Menéndez suggested a new WG on "Gasification products characterization" and Nicki Wagner as convenor. The objectives and program of this WG will be presented in the next ICCP meeting in Oviedo. C. Panaitescu proposed a new WG "Microscopy of carbon products", which will be also presented in the next meeting, with a focused programme and objectives as the topic is very wide.

A. Cook thanked R. Menendez for her 8 years as chair of Commission III.

Secretary of Commission III
/Copenhagen, 2007-09-05

Appendix Ib Report from the Council Meetings

SHORT Minutes for the Council Meetings

59th ICCP Meeting in Victoria,
Canada, 19 – 25 August 2007

Council Meeting at 12.30 on 19th August in Cadboro Commons (Haro Room), Victoria, Resumed at 20.00h on 21st August.

Members of Council present: **A.C. Cook**, President; **P. David**, General Secretary; **L. Vasconcelos**, Vice-President; **P.J. Crosdale**, Editor; **R. Schwab**, Treasurer; **W.M. Pickel**, Chair Commission I; **D. Flores**, Secretary Commission I; **M.A. Gómez Borrego**, Chair Commission II; **M. Hámor-Vidó**, Secretary Commission II; **R. Menéndez**, Chair Commission III. Apologies for non-attendance received from **G. Predeanu**, Secretary Commission III.

In attendance by invitation, **Isabel Suárez-Ruiz** (Chair Commission III elect and Convener CBAP), **Kimon Christanis** (Convener SCAP), **Sandradurage Padmasiri Ranasinghe** (Programming for Accreditation).

2.3 Arrangement of the Agenda

Requests for starring of items.

Requests were made for the following items to be starred: 5.6, 7, 8, 11, 13, 18 and 19.

The motions related to the unstarred items were put to the meeting and accepted.

5. Membership

See Plenary Session minutes.

5.6 Honorary Members 2007

Resolved ICCPC07/5/6/2. Council members met privately in the absence of the interested member and agreed to award Honorary Membership to Rudi Schwab.

6. Awards

6.1 Thiessen Medal Award

A recommendation for the Thiessen Medal was received from Marc Bustin for the 2007 meeting.

Resolved ICCP07/6/1. Council resolved that

the Thiessen Medal be awarded to John C Crelling

6.3 Young Scientist Award.

This award was in abeyance pending clarification of its financial viability further to Resolution ICCP05/6/1.

Resolved ICCPC07/6/1. Council remove the Young Scientist Award from its list of awards.

7. Financial matters

7.1 Treasurer's Report

Tables for the Treasurers Report are attached as Appendix V.

Resolved ICCPC07//7/1. Council

i) received the tables presented by the Honorary Treasurer

ii) received the report of the Honorary Auditor for 2005-2006 (Appendix VII) and noted that the auditor was sent the material for the 2007 report on 21 August 2007.

iii) agreed that the tables represent a fair statement of the financial affairs of ICCP and congratulated the Honorary Treasurer on the data provided, and noted the greatly expanded information on the accreditation activities of ICCP.

iv) noted that some of the income variations between 2004-05 and 2005-06 were associated with early payments of membership dues in previous years.

v) noted that budget projections received from the Treasurer for 2007 – 2008 may require some revision

Resolved ICCPC07/7/2. Council reaffirmed its view that the historical data on income from membership fees is a less significant part of the financial state of ICCP due to the increased Accreditation activities.

Noting resolution ICCPC06/7/3:

Resolution ICCPC06/7/3. Council, noting the proposals from the Editor and the correspondence between the Editor and the

Treasurer, accepts the revisions to the fee structure set out in Tables 3 and 4 in Appendix VIIIa and illustrated in the example pro-forma invoice in Appendix VIIIb and recommends acceptance by the Plenary Session.

The Hon Treasurer tabled on Sunday 19 August 2007 a document titled Summary of Treasurer's Comments on the Bandung 2006 Proposals to introduce a new Dues Structure.

Council had requested that the Treasurer advise council on the implementation of this resolution, following its approval by the General Assembly in 2006. Considerable discussion occurred relating to the proposals made in Bandung for discounted fees for on-time payment with an additional discount for taking the ICCP Newsletter by electronic means from the ICCP website.

It was the opinion of the treasurer that the implementation of these measures will complicate the work of the treasurer without a clear benefit for the membership and the ICCP. A number of methods were suggested to the Treasurer for simplifying the number of categories, in order to facilitate the implementation of the new dues structure formally approved in the 2006 General Assembly Meeting. On Thursday 23 August, 2007, the Hon Treasurer approached the President and indicated verbally that he would resign following presentation of the Treasurer's report during the Closing Plenary Session. The Hon Treasurer ended his report to the closing Plenary Session by indicating his resignation, effective immediately.

7.2 Budget information for 2007-2008 is attached in Appendix VI.

Council noted the budget provided by the Treasurer and noted the document provided by the President to council in 2006 that summarized projected data for accreditation. This ppt presentation can be obtained from the General Secretary on request.

8. Editor

The Editor's report has been received is attached at Appendix IX.

Resolved ICCPC07/8/1/1. Council received the report of the Editor and congratulated him on the presentation of the Newsletter.

Resolved ICCPC07/8/1/2. Council noted that the editor may wish to undertake other publishing projects and approved of them provided they are in pursuance of the objects of ICCP and that the Treasurer is consulted if significant expenses (greater than USD200) are expected.

8.2 Proposals for 2007– 2008

Resolved ICCPC07/8/2/1. Council approved the budget submitted by the Editor based on the production of the ICCP Newsletter in black and white and in colour in the web version.

Resolved ICCPC07/8/2/2. Council noted that no reciprocal arrangements have been made for members' rates prices for publications.

Resolved ICCPC07/8/2/3. Council noted that the arrangements made with Elsevier with respect to copyright retention and non-exclusive publishing have been operating during the year and appear to be effective, but that authors may need to request the correct forms as Elsevier commonly supply forms that direct copyright to Elsevier and some Elsevier staff may be unaware of the agreement.

It is also noted that retention of the copyright means that ICCP has the right to distribute electronic copies of publications to its members and that this has additional potential to reduce expenditure both on the purchase of reprints and postage associated with sending reprints out to members. Combined with the development of a secure area of the website, this will enable members to obtain colour copies of reprints with a minimum of cost to ICCP. It is expected that most publications will be in black and white in the print version to avoid colour page charges but that where appropriate, the web version will contain colour illustrations.

9. Website

The new website layout as demonstrated by Dr. Prinz at the Budapest and Bandung meetings has been introduced and transfer from the Canadian site was made.

Resolved ICCPC07/9/1. Council noted with approval the introduction of the new website layout and the new system and expressed its confidence that the new site will continue to develop and it thanks to Dr. Prinz and Ralph Delzepich for their work.

Resolved ICCPC07/9/2. Council thanked Dr Pearson and his staff for hosting the website for so many years and asks the General Secretary to write expressing our thanks.

9.1 Publication of material arising from work of ICCP on the Homepage

Resolved ICCPC07/9/3. Council noted that secure zone is partly implemented and draws attention to the urgent need to have this facility generally available.

Resolved ICCPC07/9/4. Council noted the revision of the Accreditation section and the prompt manner in which accredited petrologist lists were posted.

9.3 Site design

Resolved ICCPC07/9/65. Council noted that the improvements in the website and urged officers and conveners to examine ways in which it can be further improved.

Council also considered the issue of co-ordination of material for the website and accepted a view that one person should be responsible for co-ordinating the various sources of material. At this stage, no person has been nominated to undertake this task.

11. Elections

See Plenary Session Minutes.

12 Status of ICCP

Resolved ICCPC07/12/1. Council requests advice from the General Secretary about the status of the voting papers to allow members to make a choice for the registration location based on the data provided for Greece, New South Wales and Portugal.

13. Accreditation Programs

The Accreditation Sub-Committee has functioned well and very effectively.

The Accreditation Sub-Committee was developed to try to assist in administration of the program. Accordingly:

Resolved ICCPC07/13/1. Council recorded its thanks to the Accreditation Sub-committee through its Chair.

Resolved ICCPC07/13/2. Council congratulated the program conveners on the overall success progress of the 2006-2007 round of analyses.

Resolved ICCPC07/13/3. Council accepted that the President acting on advice from the Chair of the Accreditation Sub-committee should, as required, invite new members of the Appeals Panel.

Councils drew attention to the following section of the 2006 Council minutes.

Resolved ICCPC06/7/4. Council, noting the increased number of invoices that are required resulting from accreditation activities, recommends to the Treasurer that consolidated invoices be prepared for each member, allowing them to chose the items that should apply for any given year, noting that advice on availability of each accreditation program must be provided to the Treasurer by the Conveners through the Accreditation Committee no later than 30 November in each year.

The conveners agreed that it would be possible to provide such advice. A pro-forma of a consolidated invoice can be combined with the invoice designed for the Fee structure (Attachment VIIIb).

18. Feedback from members

No business under this item.

19*. Other business

No business under this item.

25 August 2007

Appendix II

Overview of Oral and Poster Presentations of the TSOP Technical Sessions and the Fariborz Goodarzi Symposium

Wednesday 22 August

Unconventional Petroleum Systems: Organic Petrology, Organic Geochemistry, Integrated with Geology

Does Size Matter?: Compositional Influences on Gas Content in An Eocene CBM Play in New Zealand.

Tennille E. Mares, Tim A. Moore

Geology, Organic Petrology and Thermal Maturity in Maastrichtian-paleocene Age Coals of the Guaduas Formation in the Bogotá Basin, Colombia: Implications for Coalbed Gas. Fredy Arango

Determination of Coal Surface Area From CO₂ Isotherm with Correction on Absorption. Zuzana Weishauptová, Jiří Medek

Coal Petrology and Coal Bed Methane Generation At the Stratford Prospect, Gloucester Basin, NSW, Australia. Lila W. Gurba, R. Weber

Moisture and Mineral Matter Effects in Cbm Evaluation of Surat Basin (Queensland) Coals. Peter J. Crosdale, R. Wüst, Brad Pinder

Regional Correlation and Seismic Imaging of Coal Zones of the Horseshoe Canyon Formation, Alberta. C. Willem Langenberg, Habtemicael Berhane

Coalbed Methane Geology, Resources and Reservoir Characteristics From Hongyang Coalfield, Northeastern China. Yanbin Yao, Dameng Liu

Coal Bed Methane and Shale Gas (Pennsylvanian) Activity in the Cherokee Basin, Oklahoma and Kansas, USA. Steven A. Tedesco

Genesis of Hydrocarbons Within the Late Triassic to Tertiary Sediments From the Central Atlantic Conjugate Margin (Morocco and Nova Scotia): Implications of Organic Facies and Maturation. Prasanta K. Mukhopadhyay

Importance of Organic Petrology to the Woodford Gas-shale Play, Oklahoma, U.S.A. **Brian J. Cardott**

Geochemical Constraints on the Origin and Volume of Shale Gases in the Eastern Illinois Basin. D. Strapoc, M. Mastalerz, A. Schimmelmann

Source Rock Composition and Quality of Lake Facies in the Krong Pa Graben (Song Ba Rift), Central Vietnam: An Analogue to Oil-prone Small-scale Rift-lake Basins. H.I. Petersen, L.H. Nielsen, S. Lindström, E.B. Lundsteen, M.B.W. Fyhn, N.A. Duc

Organic Matter Preservation in the Maquoketa and Decorah Formations of Eastern Iowa: Inferences From Geochemical, Petrological, and Isotopical Analyses. R. Von Mann, S.M. Rimmer, H.D. Rowe, H. Francis, B. Witzke

Environmental Impacts of Trace Elements in Produced Fluids From Natural Gas From Coal (NGC) Exploration and Shallow Groundwater in Alberta, Canada. Katrina Cheung, Bernhard Mayer, Fariborz Goodarzi, Hamed Sanei

Low Rank Coals of Mukah-balingian, Sarawak, Malaysia: Depositional Environments and Oil-generating Potential. Wan Hasiah Abdullah, Chai Shin Ni

Geological and Petrographic Aspects for Coalbed Methane Exploration in Lignite Seams of Cambay Basin, Gujarat, India. Atul Kumar Varma, Vinod Atmaram Mendhe, Ajay Kumar Singh

Characterization of A Paleogene Mire System in the Jackson Purchase, Western Kentucky. Jennifer M.K. O'Keefe, James C. Hower, Cortland F. Eble

Thursday August 23

Dr. Fari Goodarzi Symposium

Advances in Organic Petrology, Organic and Inorganic Geochemistry: Coal, Oil shales, Source Rocks, Recent Deposits, Environment & Climate

A Tribute to Dr. Fari Goodarzi: 25 Years of Science Leadership in Canadian Petrology and Geochemistry. J. Potter & L. D. Stasiuk

The Petrographic Assessment of Anomalies in Coals. Nikki Wagner & Rosemary Falcon

Variation in Petrology and Geochemistry of Tertiary Coals in the Deposits of the Czech Republic - Influence of Depositional Environment. I. Šýkorová, J. Pešek, J. Mizera, M. Havelcová, P. Matysová, & M. Vašíček

Coal Genetic Type by Reductivity: Determination, New Structural Indexes and Usage. O. N. Turchanina, A. Bechtel, L.F. Butuzova, M. V. Smirnov

The World Coal Quality Inventory: Indonesia. Harvey E. Belkin, Susan J. Tewalt

Geochemical Studies of the Early Stages of the Formation of Vitrinite. Paul E. Kaelin, John C. Crelling, William W Huggett, Ken B. Anderson

Fossil Charcoal in Devonian - Mississippian Shales: Implications for the Expansion of Land Plants, Paleatmospheric Oxygen Levels and Organic-rich Black Shale Accumulation. S.J. Hawkins, S.M. Rimmer

A Maceral-specific Approach to Isotopic Analysis: Deciphering Bulk $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ Isotopic

- Compositions Using Density-gradient Centrifugation. *S.M. Rimmer, H.D. Rowe, J.C. Crelling*
- Mineralogy and Organic Petrology of Oil Shales in the Sangkarewang Formation, Ombilin Basin, West Sumatra, Indonesia. *Fatimah, Colin R. Ward*
- Mineralogy and Petrography of Feed Coal, Fly Ash and Bottom Ash From the Tuncbilek Thermal Power Plant, Kutahya – Turkey. *Seda Iseril, Ali Ihsan Karayigit*
- Mineralogy, Petrography and Elemental Contents of Orhaneli Coals, Bursa - Turkey. *Umit Okay Yerin, Ali Ihsan Karayigit*
- Trace Elements of Environmental Concern in Coals of the Cesar – Rancheria Basin, Colombia. *Wilmar Morales Yepes, Inés Carmona López, Colin R. Ward*
- Trace Elements in World Steam Coal and Their Behaviour in Coal-fired Power Stations. *R. Meij, B.H. te Winkel*
- Distribution of Mercury in Illinois Coals. *Paul C. Bradley, John C. Crelling*
- An Overview of Elemental Modes of Occurrence in Coal. *Frank Huggins, Fari Goodarzi*
- Mercury and Other Trace Elements in Coal in the Mackenzie River Basin, NWT. *Jesse Carrie, Hamed Sanei, Debbie Armstrong, Gary Stern, Feiyue Wang*
- Characterization & Interpretation of Coking Coal Blends by Automated Reflectance Profiling. *David E. Pearson, Richard A. Pearson, Jennifer S. Pearson*
- Transmission Digital Holographic Microscopy in the Observation of Tissues and Amorphous Particles of Palynofacies. *Restrepo M. Alejandro, Blandón M. Astrid, & Castañeda S. Román*
- Application of Palynofacies Analysis to Determine the Paleoenvironment of Coals and Associated Clays in Sabaletas Member of the Amagá Formation, Colombia. *Astrid Blandón, Georges Gorin*
- P5. Absorption of NO_x, SO₂, Methane, Ethane, Propane and Propylene on Activated Greek Coals, *C. Papanicolaou, N. Passadakis, D. Dimou, S. Kalaitzidis, S. Papazissimou, A.E. Foscolos*
- P6. Evaluation of Petroleum Source Rocks From the Neogene in Northernmost Honshu, Japan, *Maiko Shimofusa, Takehiro Aizawa, Masateru Ebina, Fumiyo Kazuta, Yoshihiro Ujié*
- P7. Petrographic Composition of Organic Matter Dispersed in the Late Palaeozoic Lacustrine Black Shales of Sudety Mts. (SW Poland), *Grzegorz J. Nowak*
- P8. Organic Petrology and Geochemistry of Buçaco Basin (Portugal), *D. Flores, J. Ribeiro, B. Pina, M.M. Marques, L. C. Gama Pereira, M. A. Ribeiro, I. Bobos, A. Pinto de Jesus*
- P9. Organic Characteristic Studies in A Local Petroleum System, *Louis L. Tsai, Hsien Tsung Lee, Li-Chung Sun*
- P10. Contact Metamorphism of Bituminous Coal by Intruding Dike in the Illinois Basin Causes Short-range Thermal Alteration, *A. Drobnia, M. Mastalerz, A. Schimmelmann*
- P11. Thermal Maturity of Pennsylvanian Siliciclastic Strata, Eastern Shelf and Fort Worth Basin, Texas: Implications for Coalbed Gas Potential, *Paul C. Hackley, Edgar H. Guevara, Tucker F. Hentz, Robert W. Hook, Susan J. Tewalt, Peter D. Warwick, Christopher F. Burr, Martina S. Hopkins*
- P12. The Impact of Post Depositional Tectonic Histories on Methane Generation and Retention Within Pennsylvanian Age Coals in North America, *Steven A. Tedesco*
- P13. Petrography and Geochemistry of Contact Metamorphosed Coals of the Illinois and South Sumatra Basins: Implications for the Release of ¹²C-enriched Methane, *L. Yoksoolian, S.M. Rimmer, H.D. Rowe, R. Littke*
- P14. A Comparison of Rare Earth Elements in Produced Fluids From Natural Gas From Coal (NGC) Exploration in Alberta, Canada, *Katrina Cheung, Hamed Sanei, Fariborz Goodarzi, Bernhard Mayer, Patrick Klassen*
- P15. Application of the Electron Microprobe to Studying Mineral Matter in Coal Macerals, *Lila W. Gurba, Zhongsheng Li, Colin R. Ward*
- P16. Fossil Record of Carbonized Sclerenchymatic Tissues (Sclereids and Fibers) in Brazilian Sedimentary Basins, *João Graciano Mendonça Filho, Joalice de Oliveira Mendonça I, Antonio Donizeti de Oliveira, Taissa Régio Menezes, Alexandre Jonas Sant'Anna, Jaqueline Torres de Souza, Diego Marques Brito*
- P17. Chemical and Petrographical Characterization of Feedcoal, Fly- and Bottom-ashes From the Figueira Power Plant, Paraná, Brazil, *J. Levandowski, W. Kalkreuth*

POSTER SESSION

- P1. Thermal Effects of Intrusive Rocks on Sediments From the Irati Formation, Paraná Basin, Brazil, *Igor V. A. Fernandes de Souza, João Graciano Mendonça Filho, & Taissa Régio Menezes*
- P2. Time-lapse Seismic Avo Modeling for Enhanced Coalbed Methane Production, *Jason McCrank, Don C. Lawton, Han-xing Lu, & Kevin Hall*
- P3. Oxygen Functional Groups in Coals and Algal-rich Organic Matter Related to Kerogen Structures and Thermal Maturity, *H.I. Petersen, P. Rosenberg, & H.P. Nytoft*
- P4. Petrographic and Geochemical Investigations on Thermally Altered Dispersed Organic Matter in ODP Hole 1276A, Off Newfoundland, Canada, *J. Kus, T. Pletsch*

- P18. The Mercury Content of Concentrated Unburned Carbon From A Coal-fired Power Plant Burning Bituminous Coal in Alberta, Canada, *Fari Goodarzi, Julito Reyes*
- P19. The Fluid Geochemical Evidence for the Controlling of Fault on Oil in Junggar Basin of China, *Suping Yao, Wenxuan HU, KE Zhang*
- P20. Strategy of Characterization of Particulate Material of the Air Pollution Applied Image Digital Analysis in Microscopic Images, *Restrepo M. Alejandro, Blandón M. Astrid*
- P21. Application of Palynofacies Analysis to Determine the Paleoenvironment of Coals and Associated Clays in Sabaletas Member of the Amagá Formation, Colombia, *Astrid Blandón, Georges Gorin*
- P22. Analysis of Liberation of Maceral Groups From Colombian Coals, *Olga Patricia Gómez Rojas, Inés Carmona López*
- P23. Atlas of the Microscopic Structures of Organic Matter in the Czech Deposits, *I. Sýkorová, P. Matyssová, L. Borecká, M. Vašíček, A. Šulc, I. Čermák*
- P24. Impact of Coal Seam Fires on Inner Mongolian Medium Rank Coals, North China, *J. Kus, M. Reinhardt, H. Gielisch, W. Hiltmann*
- P25. Greek Lignites Prove to Be Very Good Additives for Controlling Rheological and Filtration Properties of Water-bentonite Suspensions At High Temperatures, *V. C. Kelessidis, A. Foscolos, C. Papanikolaou, G. Christidis*
- P26. Evaluation of Greek Low Rank Coals As Potential Raw Material for the Production of Soil Amendments and Organic Fertilizers, *A. Giannouli, S. Kalaitzidis, G. Siavalas, A. Chatziapostolou, K. Christanis, S. Papazisimou, C. Papanikolaou, A. Foscolos*
- P27. Petrographic Research in the Field of Carbon Materials, *C. Panaitescu, G. Predeanu, M. Miu*
- P28. Organic Petrology of Blackened Grains in the Upper Triassic Ilidža Limestone, Serbia, *M. Hámor-Vidó, K. Hips, J. Haas*
- P29. Organic Facies Characterization of Lignite Seams in Prediction of Technological Features – A Case Study From Cambay Basin, Gujarat, India, *Vinod Atmaram Mendhe, Atul Kumar Varma, Ajay Kumar Singh*
- P30. Association of Manganese Oxides and Saturated Hydrocarbons in the Togopi Formation of the Dent Peninsula, Ne Sabah Basin, Malaysia, *Wan Hasiah Abdullah*
- P31. Trace Elements in Ashes From Outcropping Coals of Moatize Coal Basin, Mozambique, *Lopo Vasconcelos, Eduardo Siquela*
- P32. The Study of Correlations Between Physical (Ultrasonic, Optical, Paramagnetic) and Technological Parameters of Cokes Carbonized From Coals and Coal Blends, *A. Koszorek, M. Krzesińska, S. Pusz, B. Pilawa, B. Kwiecińska*
- P33. Optical Reflectance of Coals and Their Blends of Various Coking Ability in Relation to Optical Properties of Resultant Cokes, *S. Pusz, B. Kwiecińska, A. Koszorek, M. Krzesinska, B. Pilawa*
- P34. The Thermal Decomposition Studies of Three Polish Coals of Different Caking Ability and Their Blends, *M. Krzesińska, U. Szeluga, S. Czajkowska, J. Muszyński, S. Pusz, B. Kwiecińska, A. Koszorek, J. Zachariasz, B. Pilawa*
- P35. Application of Electron Paramagnetic Resonance Spectroscopy to Examination of Carbonized Coal Blends, *B. Pilawa, S. Pusz, M. Krzesińska, A. Koszorek, B. Kwiecińska*
- P36. Correlation Between Optical, Chemical and Micro-structural Parameters in High-rank Coals and Graphite, *M. Marques, I. Suárez-Ruiz, D. Flores, A. Guedes, S. Rodrigues*
- P37. Devolatilization Behaviour of Biomass Under N₂ and CO₂ Atmospheres -Implications for Their Use in Power Generation, *A.G. Borrego, D. Alvarez, L. Garavaglia, W.D. Kalkreuth*
- P38. Vitrinite Reflectance, Thermal Maturity and Coal Rank in Lower Cretaceous Medicine River Coals of South Central Alberta: Reflectance Suppression and Hydrocarbon Generation From Liptinite Macerals - Implications for CBM Exploration, *Judith Potter, Ian McIlreath*



Enjoying a well earned break on the post conference field trip are Stavros Kalaitzidis (L), Kirsten David ("Mausi"), Ida Volkova, Walter Pickel, MaryAnn Malinconico, Ángeles Gómez Borrego, Petra David, Jen Pearson, Mária Hámor Vidó and Paul Hackley (who needs the support of a barbecue). (photo: Paul Hackley)

**DEADLINE FOR NEXT
ICCP NEWS :
10TH MARCH 2008**

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix III
List of participants

Name	Country		
		Willem Langenberg	Canada
Carla Viviane Araujo	Brazil	Andrew Legun	USA
Fredy Arango Arias	Columbia	David Marchoini	Canada
Mike Avery	Canada	MaryAnn L. Malinconico	USA
David Baskin	USA	Tennille Mares	New Zealand
Harvey E. Belkin	USA	Zhongsheng Li	Australia
Gerd Bieg	Germany	Maria Mastalerz	USA
Gisela Bieg	Germany	Jason McCrank	Canada
Astrid Blandón Montes	Columbia	Ruud Meij	Netherlands
Antonis Bouzinos	Greece	João. Graciano Mendonça Filho	Brazil
Neely H. Bostick	USA	Rosa Menendez	Spain
Marc Bustin	Canada	Cornelia Panaitescu	Romania
John D. Campbell	Canada	Henrik I. Petersen	Denmark
Brian J. Cardott	USA	Dave Pearson	Canada
Jesse Carrie	Canada	Jen Pearson	Canada
Katrina Chueng	Canada	Rich Pearson	Canada
Chen-Lin Chou	USA	Walter Pickel	Australia
Kimon Christanis	Greece	Judith Potter	Canada
Alan C. Cook	Australia	Dirk Prinz	Germany
John C. Crelling	USA	Slawomira Ewa Pusz	Poland
Peter Crosdale	Australia	Jeff Quick	USA
Petra David	Netherlands	Padmasiri Ranasinghe	Australia
Heike Eickhoff	Germany	Julito Reyes	Canada
Gary Eitzen	Canada	Alejandro Restrepo Martinez	Columbia
Deolinda Flores	Portugal	Sue M. Rimmer	USA
Maria Ángeles Gómez Borrego	Spain	Dianna Riggs	Canada
Fari Goodarzi	Canada	Cristina Rodrigues	Portugal
Paul Hackley	USA	Leslie (Jingle) Ruppert	USA
Mária Hámor Vidó	Hungary	Suzanne J. Russell	USA
Sarah J. Hawkins	USA	Barry Ryan	Canada
Antje Heymann Hilgers	Germany	Hamed Sanei	Canada
Carl. H. Hilgers	Germany	Rudolf Schwab	UK
Frank E. Huggins	USA	Maiko SHIMOFUSA	Japan
Ian Mc Ilreath	Canada	Steve Simpson	Canada
Kuili Jin	China	Eduardo Siquela	Mozambique
Johan P Joubert	South Africa	Alok K. Singh	India
Stavros Kalaitzidis	Greece	Lavern Stasiuk	Canada
Wolfgang Kalkreuth	Brazil	Isabel Suárez-Ruiz	Spain
Wayne Knowles	USA	Ivana Sýkorová	Czech Republic
Kees J. Kommeren	Netherlands	Shizhen Tao	China
Barbara Krystyna Kwiecinska	Poland	Steven A. Tedesco	USA

Krystyna Tokarska	UK
Louis L. Tsai	Taiwan
Yoshihiro Ujiie	Japan
Michelle Unsworth	Canada
Johannes HP van Heerden	South Africa
Lopo Vasconcelos	Mozambique
John Vleeskens	Netherlands

Ideya Volkova	Russia
Rachael Von Mann	USA
Colin Ward	Australia
Rachel Walker	Canada
Zuzana Weishauptová	Czech Republic
Lois E. Yoksoulion	USA

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix IV

Short introduction of new (Associate and Full) Members

New Associate Members

Hamed Sanei, Canada



- Doctor of Philosophy (Ph.D.) in earth science, specializing in Environmental Geochemistry, School of Earth and Ocean Sciences, University of Victoria, Victoria, British Columbia, Canada
- Bachelor of Science (B.Sc.) in Geology, Shiraz University (formerly known as Pahlavi University), Shiraz, Iran
- Presently has a Postdoctoral Fellowship (PDF), focussing on the Geochemistry & Organic Petrology of the Energy Sources as related to the Sustainable Development of Energy, Geological Survey of Canada, Calgary, Alberta
- 16 refereed publications in journals and over 30 conference presentation in organic geochemistry and related fields
- has expertise in earth sciences with emphasis on organic petrology and geochemistry as related to exploration, exploitation of fossil fuel, climate change, and environment

Advancement to Full Membership

Maria Mastalerz, USA



- ICCP member for several years
- has participated in different working groups and and convened the WG on Environmental Atlas
- Has been awarded the Organic Petrology Award in 2004
- Detailed information in Laudation in Newsletter 33
- Application supported by Marc Bustin and Alan Cook

Prof. Dr. João Graciano Mendonça Filho



- Director of the Geosciences Institute of the Federal University of Rio de Janeiro, since 2006
- He participated in the Thermal Indices WG and Qualifying for vitrinite reflectance WG and is Accredited Petrographer for the DOMVR
- His application is supported by Wolfgang Kalkreuth

Nikki Wagner, South Africa



- works as senior researcher at the Coal and Carbon Research Group, School of Chemical and Metallurgical Engineering, University of the Witwatersrand, South Africa.
- specialized on coal petrography, clean coal technology, and coal and the environment.
- undertakes own research and publications, supervise postgraduates, lecture undergraduates and postgraduate courses, and consult to industry
- has been ICCP member for several years and attended meetings in Copenhagen and Mozambique & South Africa
- Application supported by Alan Cook

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix V

Summary Tables for the Treasurer's Report

	Financial Year 2006-2007	Financial Year 2005-2006	Financial Year 2004-2005	Financial Year 2003-2004	Financial Year 2002-2003	Financial Year 2001-2002
GENERAL						
Membership dues (net)	£2,896.33	£2,682.69	£1,643.14	£2,638.59	£2,435.89	£2,595.66
Credit interest (net)	£667.42	£512.19	£555.21	£373.76	£437.51	£407.78
Donations & Miscellaneous	£62.82	£80.98	£148.27	£65.20	£286.57	£98.72
Receipts	£3,626.57	£3,275.86	£2,346.62	£3,077.55	£3,159.97	£3,102.16
ICCP News	£1,219.16	£1,503.22	£1,450.84	£1,545.05	£624.93	£588.81
Commissions I, II, III	£443.29	£0.00	£176.21	£780.48	£0.00	£101.38
Award Medals (includes £319.71 Young Scientist Award in 2005/06)	£360.38	£381.20	£1,213.22	£143.93	£1,105.66	£0.00
Miscellaneous Expenditure	£629.26	£887.82	£700.96	£461.29	£472.03	£368.51
Payments	£2,652.09	£2,772.24	£3,543.23	£2,930.75	£2,202.62	£1,058.70
Surplus / Deficit	+ £ 974.48	+ £ 503.62	- £1,196.61	+ £146.80	+ £957.35	+ £2,043.46
PUBLICATIONS & TRAINING MAT.						
Receipts	£230.16	£53.66	£123.10	£148.58	£180.36	£119.34
Expenditure	£217.38	£0.00	£0.00	£9.06	£35.94	£6.57
Surplus / Deficit	+ £12.78	+ £53.66	+ £123.10	+ £139.52	+ £144.42	+ £112.77
ACCREDITATION PROGRAMMES						
Receipts	£2785.44	£3,319.52	£614.30	£2,169.65	£2,923.54	£671.17
Expenditure *	£2,984.11	£1,007.49	£410.34	£681.20	£736.69	£397.55
Surplus / Deficit	- £198.67	+ £2,312.03	+ £203.96	+ £1,488.55	+ £2,186.85	+ £273.62
ICCP TOTAL						
Receipts	£6,642.17	£6,649.04	£3,084.02	£5,395.78	£6,263.87	£3,892.67
Expenditure	£5,853.58	£3,779.73	£3,953.57	£3,621.01	£2,975.25	£1,462.82
Surplus / Deficit	+ £788.59	+ £2,869.31	- £869.55	+ £1,774.77	+ £3,288.62	+ £2,429.85
CLOSING BALANCE	£34,807.67	£34,019.08	£31,149.77	£32,019.32	£30,244.55	£26,955.93

Breakdown of Income and Expenditure 2001 to 2007

ICCP News

Receipts 2006-2007: Summary

Net Membership Dues (gross £3,038.66)	£2,896.33
Net Credit Interest (gross £834.22)	£667.42
Net sale of Publications. (gross £184.48)	£176.24
Net Sale of Training Materials (gross £53.92)	£53.92
Donations	£41.94
Exchange Rate Adjustments	£20.88
Subtotal: ICCP General	£3,856.73
Net Accreditation Fees "SCAP" (gross 345.74)	£332.36
Net Accreditation Fees "CBAP" (gross 1,358.29)	£1,297.80
Net Accreditation Fees "DOMAP" (gross £1,223.24)	£1,155.28
Subtotal: Accreditation Fees	£2,785.44
GRAND TOTAL	£6,642.17

Note: As in the previous three years no payments earmarked for the "Friendship Scheme" have been received

Payments 2006-2007: Summary

Printing and postage of ICCP News #38, #39, #40	£1,219.16
Printing and postage of Membership Directory	£286.45
Commission II: Placing colour page in Elsevier "Coal Geology" for publication of article on DOM vitrinite reflectance analysis	£193.62
Commission II: Purchase of 200 author's reprints from Elsevier "Coal Geology" for distribution to members	£249.67
Commission II: Production of 100 CD's for DOM Vitrinite Reflectance Analysis Training Kit	£210.13
Production of 2 and engraving of 1 Award Medals	£360.38
Bandung Meeting: Gifts for hosts	£102.56
Lloyds TSB Cardnet charges	£119.72
Treasurer Expenses (postage stamps)	£1.60
Mailing of Audit documents	£53.52
Exchange Rate Adjustments and currency transfer charges	£46.68
Miscellaneous	£25.98
Subtotal: ICCP General	£2,869.47
"SCAP" - Single Coal Accreditation Programme: Materials, sample and certificate mailout, assistance	£511.48
"CBAP" - Coal Blend Accreditation Programme: Preparation and analysis of samples	£1,970.54
"DOMAP" - DOM Vitrinite Reflectance Accreditation Programme: Sample preparation and beneficiation	£502.09
Subtotal: Accreditation Programmes	£2,984.11
GRAND TOTAL	£5,853.58

Appendix VI Budget for 2007/2008

Income	Budget
Membership subscriptions (net)	£2,200
Credit interest	£650
Miscellaneous (donations)	£50
Sales of Publications & Training Materials	£250
Subtotal ICCP General	<u>£3,150</u>
SCAP Accreditation Fees (net of bank charges)	£3,125
CBAP Accreditation Fees (net of bank charges)	£1,105
DOMAP Accreditation Fees (net of bank charges)	£745
Subtotal Accreditation Fees	<u>£4,975</u>
Grand Total Projected Income	<u><u>£8,125</u></u>
Expenditure	
ICCP News #41, #42, #43	£1,250
Membership Directory: Expenses will incur in 2008/2009	£0
Postal Ballot Council Elections	£235
Commission I: 2 Colour plates for Elsevier publication of liptinite classification sheet	£385
Commission I: 200 reprints each of Liptinite and Microlithotype sheets	£330
Gifts Organizing Committee	£100
Lloyds TSB CARDNET charges	£175
Audit: Mailing of documentation	£35
Treasurer's expenses	£25
President: Postal ballot 2006/07 (expenses not yet declared)	£150
Subtotal ICCP General	<u>£2,685</u>
SCAP: Shipping of bulk samples from Australia to Greece	£400
SCAP: 2008 Accreditation Exercise	£650
CBAP: 2008 Accreditation Exercise	£335
DOMVRAP: 2008 Accreditation Exercise	£250
DOMVRAP: Undeclared expenses 2006 Exercise	£250
AP's General: Software Programming (P Ranasinghe)	£585
Subtotal Accreditation	<u>£2,470</u>
Grand Total Projected Expenditure	<u><u>£ 5,155</u></u>
Projected Surplus / Deficit for the year	<u><u>+ £ 2,970</u></u>

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix VII Auditor's Report 2005/2006

Alan Davis
605 Ravenswood Road
Hampstead, N.C. 28443, U.S.A.

June 26, 2007

Honorary Auditor's Report

To the Members of the International Committee for
Coal and Organic Petrology

I have audited the balance sheets and the related financial records and bank statements of the ICCP covering the period July 1, 2005 to June 30, 2006. These financial statements are the responsibility of the Honorary Treasurer of the ICCP. My responsibility is to express an opinion on these financial statements based on my audit. Members should be aware that my examination does not have the status of an audit performed by an external Chartered Accountant.

I conducted my audit in accordance with what I judge to be an acceptable auditing standard. I planned and performed the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting

principles used by the Treasurer, as well as evaluating the overall financial statement presentation. I believe that my audit provides a reasonable basis for my opinion.

The accounts submitted for audit included details of the bank accounts and cash floats which have been maintained by the General Secretary and for the ICCP's Accreditation program.

Original records and supporting materials were provided by the Honorary Treasurer of the accounts managed by him; cheque stubs were not available for inspection. In the case of the POSTBANK Giro account, bank statements were provided as photocopies. In the case of the Accreditation Program, original bank statements and some records were not provided, but the Honorary Treasurer provided a summary of the bank account transactions and details of fund transfers and expenditures.

In my opinion the financial statements referred to above present fairly, in all material aspects, the financial position of the ICCP as of June 30, 2006, and its cash flows for the period examined then ended in conformity with reasonable accounting principles.

Alan Davis, ICCP Honorary Auditor

Minutes of the 59th Meeting of the ICCP
Held in Victoria, Vancouver Island, British Columbia, Canada From 18-25 August 2007

Appendix VIII Editor's Summary Report

ICCP News

Distribution

Three issues of ICCP News were made during 2006 - 2007 financial year, viz No. 38 August 2006, No. 39 November 2006 and No. 40 March 2007. Numbers of newsletters posted and their

distribution by region are indicated on Table 1. New members of ICCP are additionally posted a copy of the latest Directory as well as all previous newsletters prior to their admission for the relevant year.

Table 1 Mail distribution by region

Region	News 38		News 39		News 40	
	No.	%	No.	%	No.	%
Africa	5	3	5	3	5	4
Asia	22	13	23	14	21	13
Australasia	28	17	28	17	28	17
Europe	81	49	81	48	81	49
North America	26	16	25	16	28	17
South America	4	2	4	2	4	2
Total	166	100	168	100	164	101

Table 2 Web download only distribution by region

Region	News 38	News 39	News 40
	Africa	1	1
Asia	0	0	0
Australasia	3	3	3
Europe	10	12	12
North America	4	4	4
South America	2	2	2
Total	20	22	22

Advertising

The possibility of paid advertising was introduced for the first time in 2000 - 2001, with the schedule of rates approved by the 2000 Council meeting given below. No income from advertisements was received in 2006-2007.

	Rate per insertion (\$US)*	
	Once only	4 times (20% discount)
Full Page	400	320
½ Page	200	160
1/4 Page	100	80
1/8th Page	60	48

* a 10% discount applies to ICCP members

Costs

Expenses incurred in production and distribution of ICCP News during 2006 - 2007 are detailed in Table 3. About half the total cost is in postage and the other half in printing. Postage costs associated with ICCP News 38 are distorted due to the distribution of the ICCP 2006 Directory as an insert. Monitoring of costs has continued since a steep rise in 2004 - 2005 from 0.15 to 0.21 to 0.29 AUD per page. The printing costs are now stable at around 0.08 to 0.09AUD per page by negotiating a new price with the printers in late 2005.

Table 3 ICCP News Costs (in AUD)

Year	2006	2006	2006	2007
News No.	Directory	38	39	40
No. Pages	20	20	60	24
Copies printed	195	170	170	175
Printing	435.60	352.00	817.30	378.97
Postage - international	^a	451.28 _a	331.31	267.51
Postage - domestic	^a	29.00 _a	29.00	29.00
Stationery - envelopes		0.00	0.00	0.00
Stationery - labels		0.00	0.00	0.00
Total		962.84	1177.61	675.48

^a ICCP News No 38 and the Directory were posted together

Reconciliation of budgeted versus actual costs

Actual expenditure was \$887 AUD lower than budgeted. Substantial savings on postage were made by posting the directory along with ICCP News #38. These savings are estimated to be about \$300AUD. Savings are also attributed to the 20 fewer pages in ICCP News #40 than budgeted. Additional costs for ICCP News #38 are attributed to extra postage associated with inclusion of the directory.

ICCP Directory

A directory was produced in August 2006 in conjunction with Dr David (the General Secretary) and Dr Schwab (the Treasurer). The directory was distributed with ICCP News #38 and costs associated with the directory production and distribution are included with the newsletter. Note that both the directory and the newsletter were 20 pages in length so the half of the total cost for these 2 items can be attributed to the directory.

ICCP 1963 Handbook on CD ROM

A CD ROM of the 1963 2nd edition handbook was completed for sale in 2002 and reviewed in the International Journal of Coal Geology (vol. 51, pp 263 - 264). The CD was made available during 2002 - 2003.

ICCP Work in progress series

No CDs have been distributed and no further CDs made during 2006 - 2007.

Reduced Fees Proposal for Internet Download of ICCP News

A proposal was made to Council at the 2007 Bandung meeting to reduce membership fees. Integral to this proposal were cost savings to be made by ICCP Members downloading the newsletter from the website rather than being posted hard copies. The proposal was accepted by Council and the General Assembly meeting in plenary session. Although it was anticipated the new structure would be implemented at the beginning of the 2007 calendar year, this proved not to be possible. When the proposal is implemented, substantial changes are anticipated in both costs and distribution (post vs internet download) patterns.

Proposals for 2007 - 2008 Financial Year

ICCP News - Number of editions

Three editions of ICCP News were produced in 2006 - 2007 and it is proposed to again produce 3 ICCP News editions for 2007 - 2008, #41 July 2007, #42 November 2007 and #43 March 2008. At the time of writing, ICCP News #41, July 2007 has been completed and distributed.

ICCP Directory 2008

A new ICCP Directory is scheduled for 2008 in collaboration with the General Secretary and Treasurer. It is expected that the directory will be completed for distribution in the 2008 - 2009 financial year but preparations will begin in the 2007 - 2008 FY.

Budget estimates for 2006 - 2007

Budget estimates for production of ICCP News in 2007 - 2008 are \$2906AUD.

CD ROMs from working groups

Production and distribution of CD ROMs from the working groups ceased in practical terms during 2001 - 2002. It is highly desirable for this activity to begin again.

The main arguments for production of CD ROMs and maintaining them as part of an ICCP Publications catalogue can be summarised as :

- keeping a high profile of ICCP by maintaining a strong publications track record
- keeping a permanent and readily accessible record of past ICCP activities
- distributing the knowledge gained from working group activities

The main arguments in charging for the CDs can be summarised as :

- cost recovery or small profitability (especially from non-ICCP members)
- ensuring that we are not wasting time and money in distributing products that nobody particularly wants
- value-adding to the product; items people buy and pay money for are usually more highly valued than items simply received for free and they are purchased because they are genuinely wanted

A number of resolutions were passed in 2002 relating to this activity (ICCPC02/9/2/3, ICCPC02/9/2/4 and ICCPC02/9/2/5).

Distribution of Working Group and other Materials

The Editor has acted as a hub for the distribution of a number of materials including reprints of published articles and CD ROMs. It is apparent that convenors of Working Groups who have a product to sell or otherwise distribute are often in a better position than the editor to perform this function. In addition, it is often highly desirable for the convenor to have detailed knowledge of distribution patterns of their materials.

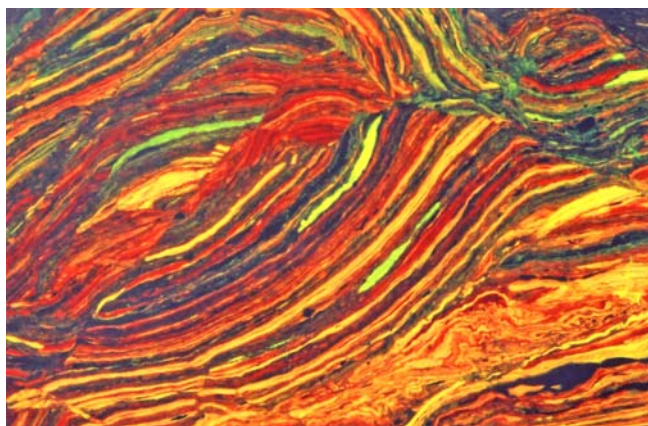
While the Editor is most happy to continue to distribute materials as requested, it is clear that a most confusing situation exists for persons wishing to acquire these materials. For example, to purchase the Handbook, three contacts are given - the Treasurer, the General Secretary and Editor. It is most desirable that a single contact be given for all materials and that that person coordinate payment and distribution.

Appendix IX Overview of the outgoing President

ICCP PRESIDENTIAL TERMS 2000-2007 ALAN COOK

The instructions for this presentation written into the current Statutes seem to demand that I bore you witless for about 45 minutes on some arcane matter that is of no interest to most of you. It is not that I have not been doing some interesting organic petrology during my day job (this is with the SUBMERGED LOG COMPANY™)

So we could have a long dissertation on lacustrine rocks that are present within a deep marine section that show remarkable synsedimentary folding – loop bedding.



Carnian- Norian, Italy, sample courtesy of Mauro Viandante. Lamalginite in fluorescence-mode. Field width 1.10 mm

Or I could talk about bitumen cokes that have a reflectance of about 2.8% and occur about 300 m above an algal shale with a vitrinite reflectance of 1.05% but are associated with oil inclusions in the same core sample – indicating that the bitumen coke and the oil are not an equilibrium assemblage. Or moving to a different field again, I could talk about the production of high strength cokes from inertinite rich coals – this being the basis of two major industries in the area where I live. At the steelworks, blast furnace cokes are made from a blend that has a target vitrinite content of 57% - set back in about 1968 – and at Illawarra Coke Company foundry cokes are made in non-recovery

ovens from blends with vitrinite content close to 40%.

However, a discussion of changes within ICCP over the period 2000 - 2007 is probably a more useful topic. These changes have been due to many members. Therefore, this summary is what I think ICCP has achieved – it is not in ANY way an attempt to describe what I have done

PROCESS

Changes to process are basically an implementation of a resolution that dates back to the Oviedo meeting in 1994. Formal agendas have been made available in advance for council and plenary sessions, also for the commissions. Minutes available for council meetings and are presented in summary form at the closing Plenary Session as well as being printed in the Newsletter. This allows members to know what the Council has been discussing and deciding, hopefully for their benefit. Prior to 2001, records of council decisions are patchy and incomplete. This meant that there was little or no access to the body entrusted with a major part of the governance of ICCP. When we become a registered organization, this will most likely become a legislated part of ICCP activity, so it is as well to be prepared for it.

Swifter publication of minutes in the ICCP newsletter is now normal enough, but involves quite a bit of work and a great number of members. To get the agendas involves all the commission chairs and secretaries, many of the Working Group conveners as well as the President, General Secretary, Honorary Treasurer and the Editor.

WHAT ARE THE BENEFITS OF IMPROVED PROCESS?

Firstly, we know what we are going to do. In turn, this allows better preparation and should allow more participation by those not attending annual meeting. This opportunity has not always been taken up, but that does not mean that it will not be

used more as the system becomes the norm rather than an innovation.

Secondly, it generally results in better and more easily available records of what we have done and agreed

Especially as access to archives improves, this has potential for greater overall efficiency and less opportunity to go over ground that has already been covered. Or at least if this is necessary, the older information will be readily available.

REGISTRATION

This is a more contentious area. It would be much easier to stay the informal organization that we still are and I can sympathise with those who think staying as we are is the best path – no need for change. However our size, the greater level of complexity of the tasks we now wish to undertake combine to demand a new form. Becoming a registered organization offers an umbrella for those changes.

Until the vote was taken on registration, I was beginning to think that this representation of the Australian political leadership was a fair representation of how ICCP was going. However, the clear majority in favour of registration showed that this was not so.



Registration Trap #1

FINANCIAL MATTERS - INCOME-EXPENDITURE- FEES

We have been fortunate to have Rudi's services as Hon Treasurer for a decade. During this period there have been many changes from credit card payments to the form of invoicing.

All members impact on finances simply by joining, but also by their influence on recruitment

of new members and by services given. We need to ensure that all members are able to contribute to the best of their abilities. Encouraging the younger members should be a priority.

There still remain some systemic problems. For example, the Full/Associate membership system arguably now works to our disadvantage rather than preserving the core of ICCP as was perhaps intended. Especially, bearing in mind the totally different expectations for career structures that we have in 2007 compared with, say, 1985 we need to have a suitable membership category for many members who for whatever reason become less active but still wish to retain contact with ICCP. At present, there is only the retired member category that is even vaguely appropriate.

Membership categories have some structural problems that must be addressed when next the statutes are revised. We are losing potential scientific contributions through lack of flexibility to accommodate to personal circumstances.

On the cost side of the equation, the main cost (other than accreditation) is the ICCP newsletter. The editor has managed to increase the newsletter size and quality while keeping costs under control. We are also moving into a new era where downloading material from our website is going to become the norm rather than waiting patiently for part of a crushed and bleached tree to appear through your letterbox. The changes to the website, that are, in part still in train are another exciting development. A secure area for members is appearing – almost as I speak!!

Various council decisions were made going back to 1997 that are resulting in the containment of costs. This is also an appropriate time to mention the high proportion of costs that are born out of what are in effect the personal resources of a large number of those who do work for ICCP. This acknowledgement ranges right across council, the accreditation conveners and the conveners of Working Groups.

INCOME SIDE OF THE EQUATION

Accreditation is now a significant source of income. It is either subequal with membership fees or it may even be a more significant source of income – even more so in the future. At the same time, accreditation income is not a simple issue for ICCP. Fees from participants cover direct costs

such as postage, sample preparation and some mounting. Although Accreditation activities have been profitable for ICCP in financial as well as scientific terms, the income from fees goes nowhere near covering real costs of administering the programs by the conveners. That is, the costs to ICCP are heavily subsidized by the work of the conveners.

Logic suggests that funds from accreditation should be used to strengthen that activity and not used for other purposes. The most immediate need is for larger sample banks. After that, we should look at ways of easing the burden on conveners. That is not as simple a matter as it might seem, the real costs of each exercise probably exceed the income by a factor of greater than two.

THE HIDDEN SIDE OF ACCREDITATION - THE ACCREDITATION BURDEN

As a technical exercise Accreditation must be assessed as being highly successful. It has turned out to be of similar importance to the recognition of ICCP as was the publication of the Glossary. In many ways, it should be considered as the logical, albeit delayed, follow up to the publication of the Glossary. Just as it is important, it is also a huge responsibility. For example, mistakes are inevitable. Our systems have to ensure that they are reduced to a minimum and that fair and quick solutions are put in place. Evaluation of all aspects of Accreditation programs must be rigorous and ongoing. This is not an issue where ICCP or any parts of it can cheerfully assume that all will be well. ICCP has essentially taken on a similar role to that of referees in sport.

The number of analysts involved in Accreditation is high in relation both to the ICCP membership and to the total numbers of those practicing organic petrology as a profession. Across the three programs and allowing for those who have taken more than one accreditation program, the number of accredited organic petrologists is now close to a hundred.

In addition to the three current programs (vitrinite reflectance and vitrinite contents of single coals, vitrinite reflectance in dispersed organic matter, and coal blends) we should continue to look at analytical procedures that would benefit from an accreditation activity. Accreditation in its present state should be considered as a beginning and not as the end of development. However, it is necessary

to stress that each of these programs was built upon a long history of development work. I would like to mention the persons mainly responsible for that work, Werner Pfisterer and Reinhold Kutzner for the single coals program, Angeles Borrego for DOMVR, and Alan Davis and Isabel Ruiz for coal blends. Any new Accreditation program will require a similar level of preparatory work to be done.

MEMBERSHIP FEES

The 2006 meeting approved a number of changes that range from small to considerable. These are:

1. A small discount for prompt payment.
2. A more substantial discount for taking the newsletter in electronic form only.

The overall aims of these changes are to reduce the incidence of late payment (this being seen as an issue that may well have lost us significant numbers of members) and to try to reduce the costs of printing and postage for the ICCP Newsletter. Already, the copy available on the web is in colour, whereas the printed version is in black and white. The intent is to provide ICCP privileges at a lower cost and a higher quality.

The changes have been modeled to be slightly cash positive, so that it can be considered as a conservative strategy. If, however, the actual results are different, the rates can be adjusted to return larger or lower discounts. Attempts were also proposed to try to simplify invoicing by reducing the number of invoices needed, but this is an issue for the new Hon Treasurer.

OTHER ISSUES

There are many other issues that I could and perhaps should list. Many are very important (Website, CD publications, new methods of collaboration and many more). I don't want to do this partly for reasons of time but more for emphasis. The points I have covered are those that I think are the most important ones and I have mercilessly cut each down – I could have spent at least half an hour talking about each one! We need to get the main issues done well in order to be able to do all the other things we **need** to do.

SUMMARY

I end my term as President with:

1. ICCP strong financially
2. Strong in terms of commission work
3. With a major accreditation activity that now extends far beyond the original concepts both in terms of the number of participants and the techniques involved and an activity that needs to be both encouraged, and well **managed**.

My thanks go to all ICCP members for your support

Whatever has been achieved is your achievement not mine

THE GENERAL SECRETARY

A President of ICCP is very dependent upon the General Secretary. I have been very fortunate there with Dr Petra David.

Now let me present to you Dr Petra David, formerly the General Secretary and now the new ICCP President. Please give her the support she will need. I am sure she will lead ICCP well and on to much greater things.

New Membership Fees Structure

A new membership fee structure was approved by Council in 2006 at the Bandung meeting. The full text of the proposal can be found in ICCP News #39, November 2006, pp. 21 - 24.

Implementation of the structure will occur on your new invoice for 2008 which you may now already have.

Over the past few years, the strong cash position of ICCP has led to various proposals to reduce fees to ICCP Members. Recent technological advances have meant that real cost savings are now being or could be enjoyed by ICCP and it seemed desirable to pass these savings on to members.

There are now 3 possibilities to reduce your subscription payment: 1) an 'early bird' discount for members who pay their dues in a timely fashion; 2) a discount for members who elect to download the newsletter from the internet site and not receive a hard copy by post and; 3) a combined discount.

1) 'early bird' discount

Membership fees are due by January 1. For members who pay before that date a discount equivalent to 10% of the normal fee will apply. So pay early and save 10% !!

2) newsletter by internet download only discount

ICCP News is the single biggest budget item of non-accreditation activity. A significant amount of

the cost of the newsletter is in printing and posting. So you can choose to NOT have a printed copy of the newsletter posted to you but rather download the ICCP News yourself from the website (faster and in colour). If you elect to this then a 20% discount will apply to the standard fee.

3) combined discount

Pay early (before January 1) and take the newsletter from the internet (no hard copy will be posted) to receive a total discount of 25% of the standard membership fee.

Of course, you may still pay after January 1 and receive a copy of the newsletter by post. In this case the standard fee will apply.

Note that additional discounts may apply for 3 year advance payments, retired members and students. The percentages quoted may be rounded to the nearest whole currency unit.

The 2008 invoice you receive will make these options available to you.

If you are unclear then further information can be obtained from the Treasurer:

<mailto:jen@coalpetrography.com>

ICCP Awards and Calls for Nominations

ICCP offers a number of awards to recognise outstanding achievements in coal and organic petrology at various stages of career development. Awards available and a brief summary are given below. Full details on the nature of the award, its terms and conditions and how to apply can be found on the ICCP home page at <http://www.iccop.org> or by contacting the chair of the award committee (see inside front cover).

Organic Petrology Award

The Organic Petrology Award recognises outstanding contributions by coal and organic petrologists at an intermediate stage of their career. It is limited to applicants under 50 years of age. The award consists of a bronze medal and a certificate. Awards are made from time to time but applications are called for every 2 years. The next call will be in 2008.

Thiessen Medal

This is the highest award offered by ICCP. It recognises a lifetime of achievement and outstanding contributions in the fields of coal and organic petrology. The award consists of a bronze medal. Awards are made from time to time but applications are called for every 2 years. Nominations closed on April 30th 2007. The chair of the committee is:

Dr R. M. Bustin
Chair, Organic Petrology Award Committee
Department of Earth and Ocean Sciences
The University of British Columbia
6339 Stores Road
Vancouver, B.C. V6T 2B4
Canada
<mailto:mbustin@eos.ubc.ca>

2007 Thiessen Medal awarded to

Jack C. Crelling

Laudation

It is my honour on behalf of the Thiessen Medal Award Committee and the ICCP to award the 2007 Thiessen medal to Dr. Jack Crelling. Jack is the embodiment of who the medal is designed to recognize - a remarkably successful scientist who devoted his professional career to organic petrology, an exceptional mentor of students and associates and a vital contribution to the success of the ICCP.

Jack received a B.A. Degree in Geology from the University of Delaware in 1964 and an M.S. Degree and Ph.D. Degree in Geology from the Pennsylvania State University in 1968 and 1972 respectively. His time at Penn State was interrupted for two years while he served as a captain in the U.S. Army Corps of Engineers. He started his professional career in 1972 at Bethlehem Steel where he was in charge of the Coal and Coke Petrographic Labs. In 1977 he joined the geology faculty at Southern Illinois University and became the leader of the Coal Characterization Laboratory.

Jack has produced a body of work which stands with the best of the science. Throughout his career, he has been a leader in the petrographic examination of manufactured carbons. He has been an innovator in the petrology and chemistry of maceral separates and in applications of fluorescence microscopy.

Jack has served on the editorial boards of Fuel



Jack Crelling (centre) receives the 2007 Thiessen Medal from ICCP President Alan Cook (R) following reading of the laudation by Fari Goodarzi (L).

Processing Technology (1987 - Present), Journal of Sedimentary Petrology (1988 - 1991), and International Journal of Coal Geology (1998 - Present). He has been honoured with the Gilbert H. Cady Award from the Coal Geology Division of the Geological Society of America (2001), the Joseph Becker Award from the Ironmaking Division of the Iron and Steel Society of AIME (2002), and distinguished service awards from the American Chemical Society Fuel Chemistry Division and the Geological Society of America Coal Geology Division.

Jack has published over 100 papers including co-authoring land mark books and petrography atlases.

JACK in recognition of your contributions it is my pleasure to present to you the Thiessen Medal.

Reply to Laudation

I am very honoured to be chosen to receive this award and I am humbled to be put into the distinguished company of the previous winners. I have studied under and learned much from two of them, William Spackman and Ralph Gray; I have worked with a few of the others; and I have read and had my students read the works of all of them.

The certificate with the medal mentions my work on the separation of coal materials. I actually did my first maceral separations under Professor Spackman when I was a graduate student at the Pennsylvania State University. My studies there and my subsequent experience in the Coal and Coke Laboratories at the Homer Research Laboratory of the Bethlehem Steel Corporation impressed upon me the importance of maceral properties in controlling the behaviour of coal in any industrial process of interest. So when I took up my position at Southern Illinois University, I was able to set up a maceral separation laboratory and I have been separating and characterizing coal macerals ever since. In recent years the nation's interest in coal has broadened beyond coking and combustion to include gasification, liquefaction, and the generation of organic chemicals and compounds from coal. The individual properties of the macerals strongly influence the success of these processes and much more research in these effects is needed.

As a graduate student at Penn State I also learned that not only do you need to keep up with the latest equipment, but that you had to be aware of the techniques being used in other fields and adapt such equipment for coal characterization

when possible. At SIU I designed and built equipment for spectral fluorescence of coal macerals and I worked with other colleagues to build a photoacoustic microscope that was able to determine the thermal properties of coal materials *in situ* and a bireflectance imaging microscope which incorporates rotational polarization to generate bireflectance maps not previously available. There is still much to be done. For example, the vast array of new sensors available from the aerospace and remote sensing industries can and should be adapted to the petrographic microscope to characterize coal macerals in ways that have never before been possible. A corollary to this expansion of techniques is the fruitful application of the techniques of coal petrology to other fields, such as carbon-carbon composites and aircraft and automobile brakes. It has been shown that the techniques of coal petrology are the only ones that can be used to characterize important aspects of these materials.

I have been able to concentrate my research on the characterization of coal macerals for the last twenty-five years only because I have struggled to maintain that focus. The great advantage of doing research at a university is your freedom to work on whatever topic interests you; the great disadvantage is that you must obtain your own funding, procure and set up your own equipment, perform your own experiments, analyse your data, and write up and publish your results on your own. The funding is the main problem. Often the funding guidelines are established by administrators or politicians who have never been in a coal mine and have certainly never seen coal under a microscope. They are often focussed on immediate goals and have little interest in fundamental work and long range goals. This means that to maintain a research focus an investigator must be creative and persistent. However, the rewards of a single-minded research pursuit are great and the effort is worthwhile.

The laudation also mentioned my service to various professional societies. Such service is not a sacrifice or an act of generosity; it is simply required of anyone who is a professional scientist. Reviewing manuscripts and proposals, serving on committees, and eventually taking leadership positions are part of the profession and an obligation of all professionals.

As a coal petrologist over the last forty years I have enjoyed researching the mysteries of coal and the good company of my colleagues, I thank you again for this great honour.

Membership Matters

Congratulations to **Nader Edress** who has recently been awarded a Ph.D. under the supervision of Ivana Sýkorová in the Czech republic. Dr Edress has now returned to Egypt and is a lecturer at the Helwan University. His new contact details are:

Dr Nader A. **Edress**
Geology Department Building, Third floor-
Room no. 644 (Dr-Nader Ahmed Edress)
Geology Department, Faculty of Science
Helwan University
B.O. 11795
Ain Helwan
Cairo
Egypt
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phone: +202-2-5590000/2310
Mobile: +20-16-6312138
mailto:nedress@hotmail.com

A warm welcome to **Dr Hamed Sanei** who joined ICCP at the Victoria meeting. Those of you present at the meeting will already know Hamed as he was an integral part of the organising committee. More information about Hamed can be found on page 30.

Dr Hamed **Sanei**
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mailto:hsanei@nrcan.gc.ca

On the move from France to Belgium is **Regina Schäfer**. Her new address is:

Regina **Schäfer**
Kerkedelle 46
1200 Brussels
Belgium
+32 2 613 68 51

A new organic petrology laboratory is being built at the Pontifical Catholic University of Rio Grande

do Sul (PUCRS). **Zuleika Carretta Correa da Silva** has come out of retirement to supervise this project. Her new contact details are:

Prof. Dr. Zuleika **Carretta Correa da Silva**
Pontifical Catholic University of Rio Grande do
Sul
Environmental Institute - CEPAC
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Mobile : +55-51-9958 7921
mailto:zuleika.carretta@pucrs.br
http://www.pucrs.br

If applicable please update your contact details with the General Secretary.

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ICCP General Secretary
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Haquebard's Double Triangle and its role to reconstruct paleohydrologic regime and vegetation zones of peat conditions in planar-mire systems (General View)

by
*Nader A. A. Edress (Ph.D.) and
Ivana Sýkorová (D.Sc.)*

Introduction

Haquebard's diagram is one of the most fundamental diagrams to give an approximately optimal palaeoenvironment during peat accretion (Fig. 1). In deeper view, it represents a series of many years effort of the pioneer scientist works concerning microlithotype analysis of coal by Teichmüller, Thomson, Smith, Spackman, Haquebard, Marchioni, and others. Two main concepts can be really visualized from the

diagrams. The first one is the graduation from terrestrial to telmatic to limnotelmatic to limnic from top to bottom. In addition, it recognizes four zones of vegetation (forest terrestrial moor, forest moor, reed moor, and open moor). Haquebard was able to identify discrete fields all of the above mentioned categories which cannot possibly be done by the means of traditional maceral analysis. So, he reserves the microlithotype analysis to be the optimal study for paleoenvironmental approach.

Until now there are four accepted versions of the original Haquebard diagram (Haquebard *et al.*, 1964). They are Haquebard and Donaldson (1969), Marchioni (1980), Haquebard (1993), and Silva and Kalkreuth (2005). The main differences among them are the adding or omitting of one or two lithotypes which using in the definition of either A, B, C, or D components.

Procedures

Before beginning it should be noted that there is a disconnect between the formal division names of microlithotypes and other famous informal names that are used in most versions of the Haquebard diagram. For example, Inertite is a formal name for the association of inetrinite macerals bigger than 50x50µm while other informal names are common like Fusite-clarite. and so on.

This contrary made the petrologist to merge informal names with formal ones and add some additional subdivision to enable him apply any version the of Haquebard diagrams. For example, the following subdivision (box on right) can be used to facilitate using any edition of a Haquebard diagram.

The first step of plotting data, it depends on the percentage of D component in the studied coal, if it is less than 20%, only the upper triangle is used, whereas if it is 20% or high the lower triangle instead the upper one is used. If the studied coal samples have varieties of D component either higher or lower than 20% both the upper and the lower triangle are using during the

plotting of coal samples.

Petrologists should be aware of the palaeogeography expression of the hydrologic regime and peat environments that are used in the diagrams.

1) Limnic :

- Limnic peat either frees floating or rooted in deep water (Weber 1908)

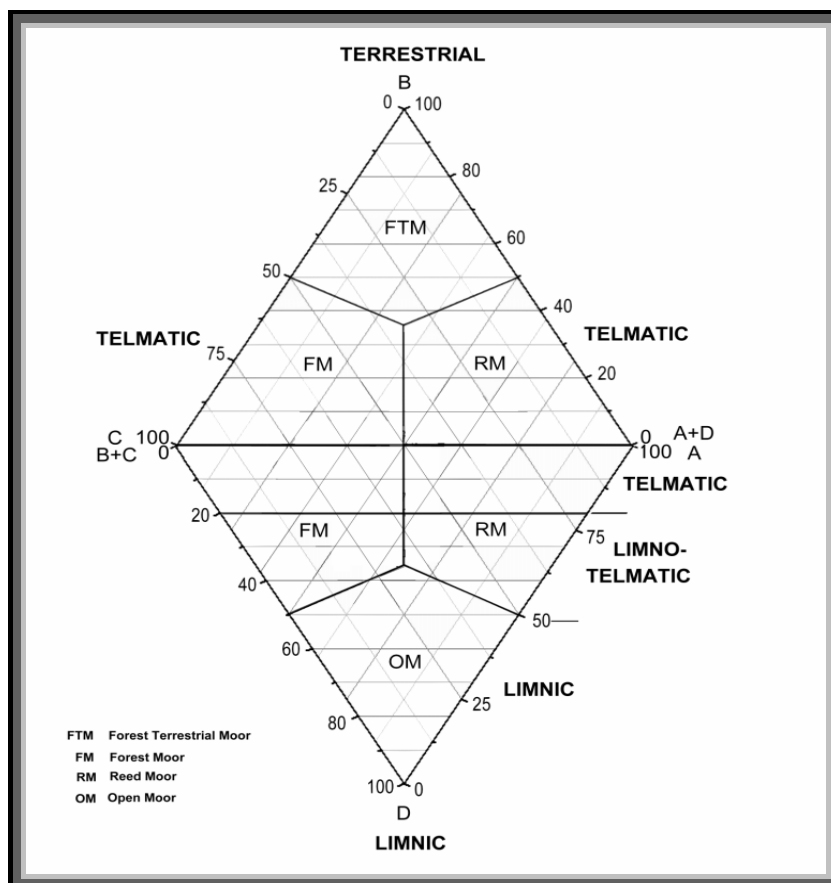
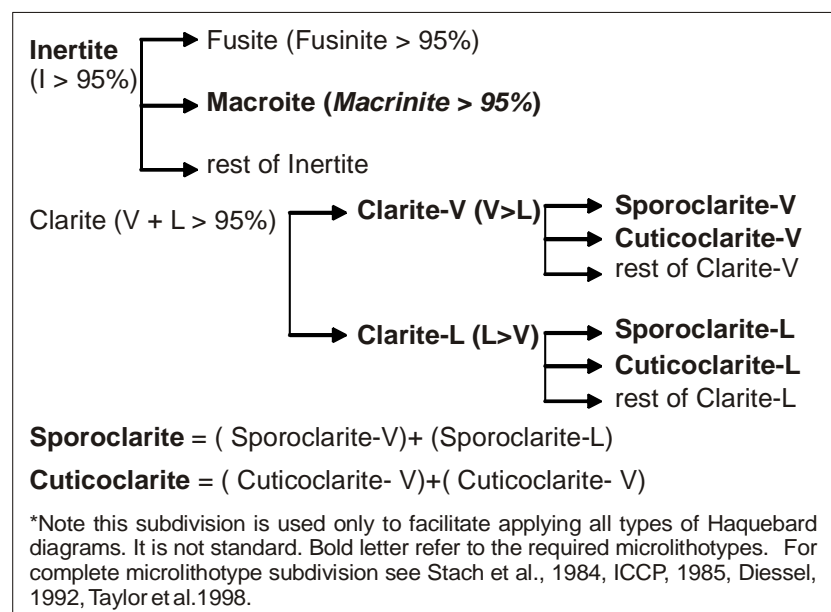


Fig. 1: Haquebard Diagram (from Haquebard and Donaldson (1969) and Haquebard (1993))



- Limnic communities formed by plants growing in water (Smith 1955)
 - Subaqueous hydrologic regime (Lamberson *et al.*, 1991)
- 2) Telmatic:
- Telmatic peat rooted in shallow water or just below mean water level (Weber 1908)
 - Telmatic communities formed by plants growing between low and high water (Smith 1955)
 - Between high and low water (Lamberson *et al.*, 1991)
- 3) Terrestrial peat:
- Terrestrial peat rooted above the water table but seasonally flooded (Weber 1908)
 - Terrestrial communities formed at or above high water mark (Smith 1955)
 - Above water level, dry condition (Lamberson *et al.*, 1991)

While the above mentioned literature clarifies the definition of three essential parts of the diagram, the limnotelmatic is still not clearly identified. It used in the sense that it is localized between the well defined limnic and telmatic conditions. For this reason, a search has done through the definition of wetlands and their classification according to Cowardin *et al.*, (1985) and Tiner (1999). From them, limnetic is synonymous to limnic and relates to habitats deeper than 6.6ft or 2m below low water. Accordingly, the hydrologic regime of limnotelmatic condition in the mire should be from maximum low water fall surface to 2m below this surface.

Second step after plotting of coal samples in Haquebard diagram. It is now easy to construct a tentative view of the paleohydrology regime in the mire system. Count your samples as percentages values. Calculate the percentage of samples in each part of diagrams according to the main principle four types of hydrologic regime (terrestrial, telmatic, limnotelmatic and limnic). In the case of telmatic and limnotelmatic zones of the Haquebard driagram, try to separate the reed facies coal samples from the forest facies coal samples and calculate percentage of them that can be use later as an indicator of the intensity of reed to forest type vegetation. Draw three parallel lines of 10 cm long

represent 100% of the studied coal samples. They are the high water table, the low water table and line of 2m below the low water table. Draw tentative view of mire by converting the percentage of coal samples in terrestrial, telmatic, limnotelmatic and limnic to cm in two dimensions view (Fig. 2). The result will be the simplified visualized model of the hydrologic regime of the former mire. However the more accurate construction of the paleomire needs also an additional paleogeographic and sedimentological data. Especially, the geographic position of mire and hydrologic feeding. Also, the age of mire is the principal item to fill the mires with a suitable vegetation of certain geologic age. The density of vegetation in the four principles zones should depend on the preceding calculation of reed to forest vegetation.

Finally by adding all previous information, it will be easy to determine the orientation of the studied coal paleomire either to limnic or paralic types of planar mire and their paleo-stream, river, lake, spring or to shore sea respectively. nes should depend on the preceding calculation of reed to forest vegetation.

In the case of paralic coal seams of estuarine origin, telmatic is commonly equivalent to littoral (intertidal), where limnotelmatic represents the foreshore area, where terrestrial (land) generally refer to supralittoral (supratidal). The, Haquebard diagram can apply on wide categories of planar mire either concerned limnic or paralic coal seam of worldwide deposits. Until now no idea about the development of diagram to be accepted in coals of the ombrotrophic mires.

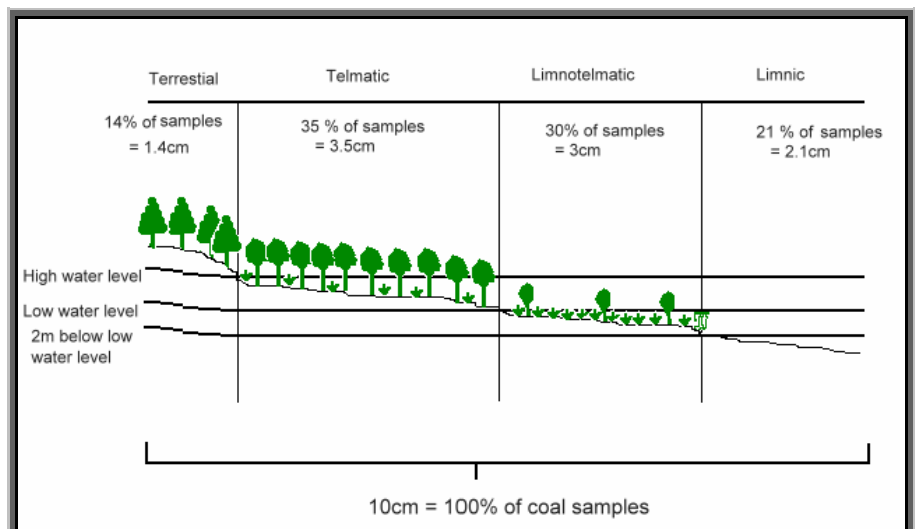


Fig. 2: Primary tentative hydrologic regime of mire

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Nearly Time Again

As the 2008 DOMVR (measurement of vitrinite reflectance in dispersed organic matter) accreditation exercise is not that far away - start to analysis in July 2008 with completion of the exercise by the end of October 2008 - can I renew my request for (more) samples to be included in the sample bank? We need samples that do not contain coals (otherwise the exercise converges on the SCAP program) but samples that do contain enough vitrinite to permit the measurement of 50 different fields.

I am seeking a wide range of rank/maturation level. So do not feel restricted to any particular range of rank or maturation. Cores or fresh outcrops are most suitable, but clean cuttings samples would also be a possibility. However, cuttings should be free from mud additives and without the complexities that come from cavings populations.

I will send details of the new round to all those who participated in the 2006 round and all others I think might be interested in taking part. However, just in case I miss your name, or have the wrong Email address, please let me know if you are interested in taking part in the 2008 round of analyses. We are also interested to have participation from analysts who are not members of ICCP. Please feel free to suggest participation to colleagues who did not take part last time. "Now" is a really good time to express interest.

I look forward to hearing from YOU!

Alan Cook - Convenor of DOMVR program
mailto:acc@ozemail.com.au

Open Invitation to Join the Environmental Application of Organic Petrology Working Group (Commission II)

As the convenor of the 2007 Environmental Application of Organic Petrology Working Group, I would like to invite you to share your expertise to further advance the application of organic petrology in cutting-edge environmental research.

Originally formed in 1993 at the 45th Annual Meeting of the ICCP in Greece, the Working Group pursued the ambitious task of the classification of anthropogenic matter using petrographic techniques. The working group has since made significant strides in this field by producing the Atlas of Anthropogenic Particles, which classifies current knowledge of petrology for environmental research applications.

The direction the group will take on in the near future is outlined as follows:

- (i) It is essential to test the applicability of the Atlas of Anthropogenic Particles by examining more samples of an anthropogenic nature. The new editions of the Atlas may include future input of information in the current body of work as the

results of exchange and classification of the available data by participating associates.

- (ii) Organic carbon forms a significant portion in the global cycling of carbon. Furthermore, recent findings suggest that organic matter play an important role in distribution and accumulation of hazardous substances such as mercury, other heavy metals, and Persistent Organic Pollutants (POPs). Therefore, there is an increasing demand for studying the organic matter in recent surface deposits, riverine systems, lacustrine and marine environment. In conjunction with various geochemical techniques, the optical characterizations of the recent organic matter will play an important role in documenting and source apportionment of organic carbon in environmental systems. The expertise of ICCP members in dispersed organic matter will contribute significantly to classify organic matter in recent surficial/sedimentary deposits.

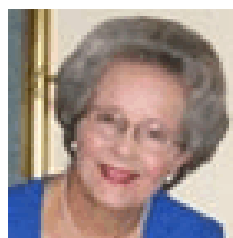
With the tremendous scientific capacity and resources of our ICCP community, I believe that we will follow in the footsteps of the previous working group's achievements and invite you to take an active role today.

Please send your comments and questions to:

Hamed Sanei, Ph.D.
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Organic Petrology WG
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New Chair in Clean Coal Technology Wits School of Chemical and Metallurgical Engineering

10 July 2007



Prof. Rosemary Falcon, a coal geologist has been named the first Chair in Clean Coal Technology in the Wits School of Chemical and Metallurgical Engineering. The Chair forms part of a host of energy-research related Chairs sponsored by the

South African National Energy Research Institute (SANERI) under the auspices of the Department of Science and Technology and the Department of Minerals and Energy.

The Chair will be based in the School of Chemical and Metallurgical Engineering with an infrastructure to support its functions, extra research and teaching staff, bursaries for students.

According to Falcon, the new Energy Chairs follow government's realisation of the need to encourage research and education in coal and related energy technologies as well as the dire need to examine the potential for energy in South Africa in the future. Key to this is finding energy solutions that balance economic and social development while minimising the long-term negative impact on our environment.

It is envisaged that SANERI and its initiatives will support governments' commitment to a sustainable energy future through its human capacity development and knowledge generation strategy which includes the establishment of Research Chairs at universities while making available research funding and bursaries.

The Chair in Clean Coal Technology has a tenure of five years and has been funded by SANERI to the tune of R2-million rand per year, increasing with inflation annually. In addition, research and educational grants from other sources are also at hand.

The Chairs were deemed an absolute necessity by the Minister of Science and Technology, Mosibudi Mangena at the official launch of SANERI, who in his address said: "There is a need for appropriate energy models to avert the looming Southern African energy crisis as demand begins to outstrip supply in the Southern African Development Community region."

He also pointed to the need for energy efficiency, which includes improvements in the use and storage of energy thus addressing the pressing challenges of security of supply and climate change.

Submission of manuscripts for consideration in special issue of International Journal of Coal Geology

Dear Colleagues

I would like to thank again for your participation in the Joint Meeting of CSCOP-TSOP-ICCP 2007 and I hope you enjoyed your stay in Victoria, British Columbia, Canada.

Authors of papers presented at the TSOP 2007 meeting (joint CSCOP-TSOP-ICCP 2007) are invited to consider publication of their paper(s) in a special issue of International Journal of Coal Geology. The editors of the special issue ask you to follow the following guidelines:

1. Please keep the paper succinct. This does not mean writing an extended abstract, but it does mean that extended discussions of material that has been covered elsewhere should be referenced or summarized briefly, not repeated. Extensive tables can be placed in an electronic appendix which will become part of the on-line version of the paper. Multimedia files, including movies and audio, can also be included in the on-line version. See "Artwork instructions" at <http://www.elsevier.com/wps/find/authors/authors/authorartworkinstructions>. Colour in the print edition must be paid by the author. The current rate is \$350 for the first colour figure and \$175 for each additional colour figure. As an alternative, figures in the print edition can be black & white, with colour versions available in the on-line version free of charge.

2. Follow the guidelines in the Guide for Authors found at:

http://www.elsevier.com/wps/find/journaldescription.cws_home/503337/authorinstructions.

3. The journal now has a system for electronic submission of manuscripts. Authors must use the system to submit manuscripts for the special issue. Instructions are found at <http://ees.elsevier.com/cogel/>. If you do not already have a login and password for the journal, you can create one during your first visit to the site. When prompted to "Select Article Type", choose "Special Issue Paper: TSOP 2007".

4. Please submit your manuscript by **20 DECEMBER, 2007**.

Thank you,

Hamed Sanei, Ph.D.

The Guest Editor of the International Journal of Coal Geology, Special Issue: TSOP 2007

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Organic Matter Concentration WG

Dear Colleagues

I was appointed in the last ICCP meeting to continue with the activities of the former Isolation WG because it was considered that the initial objectives of the working group were not completely achieved.

The main objective of the Organic Matter Concentration WG is to study the effect of the isolation procedure on the organic matter optical parameters. This effect will be studied in relation to the organic matter maturity and organic matter type.

The first exercise will consist of the analysis of two samples with terrestrial organic matter in order to minimize the difficulties for vitrinite identification. The samples to be studied in this exercise will be of low and medium rank and the analysis to be performed are:

- Vitrinite reflectance of the whole rock sample
- Vitrinite reflectance of the kerogen concentrate sample
- Spectral fluorescence analysis of liptinite in the whole rock sample if you have them available
- Spectral fluorescence analysis of liptinite in the kerogen concentrate sample
- Any other optical analysis you typically do for the study of organic matter.

As in other ICCP WGs the success of the exercise depends on the massive participation to be able to extract sound conclusions and therefore your participation is very important.

If you are wishing to participate in this WG please contact to me at graciano@geologia.ufrj.br and I will be sending the samples and instructions to perform the exercise.

In addition if you think you have appropriated samples to be used in future exercises, please let me know.

The samples should ideally have vitrinite populations reasonably easy to identify and should cover either lacustrine or marine depositional settings.

Looking forward to have you on board in this WG,

Best Regards,

João Graciano
mailto:graciano@geologia.ufrj.br

2008 ICCP-TSOP Joint Meeting September 21-27, 2008 Oviedo, Spain

The ICCP-TSOP Joint Meeting in 2008 (60th Annual Meeting of The International Committee for Coal and Organic Petrology – ICCP, and the 25th Annual Meeting of the Society for Organic Petrology – TSOP) will be held at the Auditorium Prince Philip, in Oviedo (Spain) on September 21-27. This Meeting is organized by the Instituto Nacional del Carbón (INCAR-CSIC, <http://www.incar.csic.es>)

1 - Key Conference Themes will include:

- ▶ Advances in Organic Petrology and Organic Geochemistry
- ▶ Applied Organic Petrology to Coal utilization and coal by-products.
- ▶ Organic Petrology in the context of Clean Coal Technologies
- ▶ Organic Petrology and Environment

2 - Call for Papers:

Submit Abstracts for Technical Oral and Poster Presentations by April 15, 2008 via email to:

Dr. Isabel Suarez-Ruiz
Instituto Nacional del Carbon (INCAR-CSIC)
Francisco Pintado Fe, 26
33011-Oviedo. SPAIN
Phone: +34-985119090 / +34-985118981
Fax: +34-985297662
<mailto:isruiz@incar.csic.es>

Abstracts must be 250-300 words maximum, sent as Microsoft Word or Text files. Figures, Tables, or special formatting are not required.

In the e-mail indicate whether an Oral or Poster presentation is preferred.

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.

3 - Registration, Conference Dinner and Field Trip Fees:

Full Registration includes the participation in both ICCP and TSOP sessions, the ice-breaker party, Business Luncheon and Meet the TSOP Council Event, and coffee breaks.

Registration:

Delegate members : 160 €

Non- members: 200 €

Meeting Students: 60 €

Meeting Guests: 85 €

Conference Dinner: 50 €

Field Trip to the Asturian Jurassic Formations:
60 €

(All fees must be paid in cash at the meeting upon registration).

By October 2007, additional information about the ICCP-TSOP Joint Meeting will be available at:

ICCP website: www.iccop.org

TSOP website: www.iccop.org.

INCAR website: www.incar.csic.es

4 - Meeting Venue

Oviedo is the capital of the Asturias Principality (North Spain) and is the administrative and commercial centre of the region. Its history can be traced back over 12 centuries. Oviedo, is one of the most outstanding cities in Spain, successfully contrasting the modern features and services with its many corners just brimming with history, which are there to be enjoyed by one and all.

Oviedo is also characterized by its rich architecture reflected in its Cathedral, Churches, Town Hall, etc.,. Some of the Oviedo Monuments were declared UNESCO World Heritage since 1985.

More information about Oviedo available at the Website:

<http://www.ayto-oviedo.es/en/theCity/theCity.php>

The Joint Meeting will be at the Auditorium Prince Philip in Oviedo, a modern building with a neoclassical style erected upon the foundations of old water deposits, whose unique stone structure can be appreciated in various places throughout the edifice. More information about the meeting venue center available at the Website:

<http://www.ayto-oviedo.es/en/areas/culture/princePhilipAuditorium/princePhilipAuditorium.php>

5 - Accommodation

A series of hotels from 2 to 5 stars are recommended. These hotels are located in Oviedo downtown close to the Conference venue, that may be reached by walking. Delegates must make their own reservations.

Hotel Ramiro I (4 stars)

83 € (single room)- 127 (double room) € plus 7% taxes.

Calvo Sotelo, 13. Oviedo

Phone: +34985232850 /+34902303555

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

Hotel Fruela (3 stars)

80 € - 150 € plus 7% taxes

Fruela, 3. Oviedo

Phone: +34985208120

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

Hotel NH Principado (3 stars)

131 € - 175 € plus 7% taxes

San Francisco, 6. Oviedo

Phone: +34985217792

Website: <http://www.nh-hotels.com/>

Hotel Occidental de La Reconquista (5 stars)

175€ - 220€ plus 7% taxes

Gil de Jaz, 16. Oviedo.

Phone: +34985241100

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

Hotel Santa Clara (2 stars)

50 € - 85€ plus 7% taxes

Santa Clara, 1. Oviedo

Phone: +34985222727

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

Hostal Romero (2 stars)

36 € - 54 € plus 7% taxes

Uria 36-38, 2º. Oviedo.

Phone: +34985227591

Website: <http://www.hostalromero.net/>

<mailto:hostalromero@telecable.es>

Accommodation inquiries:

Begoña Ruiz Bobes

<mailto:begorb@incar.csic.es>

Jose Ramón Montes Sánchez

<mailto:joseramon@incar.csic.es>

6 - Draft Schedule

See page 6 of this newsletter

7th European Coal Conference August 26–29, 2008 Lviv, Ukraine

<http://www.geofuel.lviv.net>

Major Themes to Be Covered

- Geology of Coal Deposits
- Coal Petrography
- Hydrogeology of Coal Deposits
- Exploration and Reserves
- Open Pit Mine Planning and Design
- Underground Mine Planning and Design
- Coalbed Methane
- Coal Mine Gas and CO₂ Sequestration
- Mining Equipment Selection, Automation and Information Technology
- Advanced Exploration and Mining Systems and Technologies
- Quality, Coal Preparation for Power Generation and Industry
- Geology and Mining Economics and Financial Analysis
- Coal Mine Maintenance and Production Management
- Health and Safety
- Environmental Issues

Abstract Submission, Exhibition and Presentation Contact

Dr. Andriy Poberezhskyy,
Institute of Geology and Geochemistry of
Combustible Minerals
3a, Naukova St., Lviv, 79060, Ukraine
Ph.: (0322) 635-047, 635-389, 632-541
Fax: (0322) 632-209
<mailto:igggk@mail.lviv.ua>

	Registration up to May 31, 2008	Registration after May 31, 2008
Participant	220 €	250 €
Accompanying person	110 €	110 €
Student	110 €	110 €

Registration fees include:

For participants: Admission to all scientific sessions, admission to exhibition, conference material (bag, programme, book of abstract etc.), opening ceremony with reception, closing banquet,

coffee breaks, lunches.

For accompanying person: Admission to opening ceremony with reception, closing banquet, see site.

Excursion

One-day excursions will be organized throughout the Lviv-Volyn Coal Basin (August 28-29, 2008).

Price of one excursion is 80 €.

Eds. Note: I could find no useful information on the website given. A brochure for the conference, including registration form, is available from me as a pdf file <mailto:peter.crosdale@energyrc.com.au>

ICCP Services

★ ICCP Reflectance Standard

Check the calibration of your reflectance standard against the ICCP standard!

For more information contact the Commission I chair:

Dr. Walter Pickel:
Director - Organic Petrology
Coal & Organic Petrology Services Pty Ltd
P.O. Box 174
Sans Souci, NSW 2229
Australia
Ph: +61-2-9524 0403 / Fax +61-2-9526 7083
<mailto:walter.pickel@organicpetrology.com>

Also available through

Dr David Pearson
David E. Pearson & Associates Ltd.
4277 Houlihan Place
Victoria, British Columbia V8N
Canada
Ph:+1-250 477 2548 / Fax:+1-250 477 4775
<mailto:dpearson@coalpetrography.com>

★ Accreditation Programs

- Maceral Group Analysis of Coals

convenor: Dr Kimon Christanis
Department of Geology
University of Patras
26500 Rio-Patras, GREECE
Phone +30-2610-99 7568/Fax+30-2610-99 1900
<mailto:christan@upatras.gr>

- Vitrinite Reflectance of Coals

convenor: Dr Kimon Christanis

- Coal Blend Analysis

convenor: Dr Isabel Suárez Ruiz
Instituto Nacional del Carbón - CSIC
Apartado 73
33080 Oviedo, SPAIN
Phone +34-98-511 9090 / Fax: +34-98-529 7662
<mailto:isruiz@incar.csic.es>

- Vitrinite Reflectance of Dispersed Organic Matter

convenor: Dr Alan Cook
7 Dallas St
Keiraville
NSW 2500, AUSTRALIA
Phone +61-2-42 299 843 / Fax +61-2 4229 9624
<mailto:alanccook@ozemail.com.au>

For more information, contact the convenors of the programs.

ICCP Classifieds

A free service to ICCP members. Send your 'For Sale', 'Wanted to Buy', 'To Give Away' etc. to the editor.

WANTED TO BUY

- Point counter stage only
Peter Crosdale
<mailto:peter.crosdale@energyrc.com.au>
- ICCP Handbook 1st and 2nd Editions;
Proceedings 3rd ICCP Meeting
Peter Crosdale
<mailto:peter.crosdale@energyrc.com.au>

Answer to Know Your Coal Petrologist #30

Looking a bit like Jackie O, our very own **Heike Eickhoff** is making her own fashion statement in a very pert yellow raincoat with high collar and contrasting dun scarf - the perfect accessory for whale watching!! I believe that orcas were spotted.

WHAT'S HAPPENING

3 - 4 April 2008

The First World Coal-To-Liquids Conference, Paris, France
<http://www.world-ctl2008.com>

20 - 23 April 2008

AAPG Annual Convention and Exhibition, San Antonio, Texas, USA
<http://www.aapg.org/sanantonio/>

26 - 29 August 2008

7th European Coal Conference, Lviv, Ukraine
 Contact: Dr. Andriy Poberezhskyy,
<mailto:igggk@mail.lviv.ua>
<http://www.geofuel.lviv.net>

22 - 28 September 2008

ICCP / TSOP Meeting, Oviedo, Spain
 Contact: Isabel Suárez Ruiz
<mailto:isruiz@incar.csic.es>

20 - 27 September 2008

ICCP / TSOP Meeting, Porto Alegre, Brazil.
 Contact: Wolfgang Kalkreuth
<mailto:wolfgang.kalkreuth@ufrgs.br>

Planned Future ICCP Meetings

2009 Porto Alegre, Brazil
 2010 Belgrade, Serbia

ICCP Publications

ICCP publications are available by ordering from the editor. **DO NOT SEND PAYMENT** - an invoice will be issued for payment.

Orders to

Dr Peter Crosdale
 ICCP Editor
 PO Box 54
 Coorparoo, Qld 415, Australia
<mailto:peter.crosdale@energyrc.com.au>

Payment can be accepted ONLY by a cheque in Euros. (note that credit card facilities are temporarily unavailable during the transition to the new treasurer)

ICCP Handbook

- ★ *International Handbook of Coal Petrography 2nd Edition (1963)* (in English) as CD ROM
 PC and Mac Compatible
 Requires Adobe Acrobat Reader Ver. 4 or above
 ICCP / TSOP member - **20€**(including postage)
 ICCP non-member - **40€**(including postage)
- ★ *International Handbook of Coal Petrography, supplement to the 2nd edition*, second print (in English) 1985 - **24€**
- ★ *International Handbook of Coal Petrography, 2nd supplement to the 2nd edition* (in English) 1986 - **8€**
- ★ *International Handbook of Coal Petrography, 3rd supplement to the 2nd edition* (in English) 1993 - **16€**

Prices do not include shipping unless stated or cost of money transfer.

Atlas of Anthropogenic Particles

A digital atlas of anthropogenic particles largely derived from fossil fuel sources. The atlas contains 543 images grouped by source and by site of occurrence. For details, see ICCP News No. 39, November 2006 pp 55 - 56.
 Cost: **16€**including postage

ICCP Training Material on Vitrinite Reflectance Measurements in Dispersed Organic Matter

A CD and set of 4 polished grain mounts to be used as training material for learning about the appearance of dispersed vitrinite in rocks and about the measurement of its reflectance. Only a limited number of grain mounts are available. CDs can be purchased separately. For details, see ICCP News No. 39, November 2006 pp 53 - 54.

Cost:

CD + polished sample set **40€**including postage (ICCP / TSOP member)
 CD + polished sample set **120€**including postage (non-members)
 CD only **16€**

If undeliverable return to :

Dr P. Crosdale, Editor, ICCP
 Energy Resources Consulting Pty Ltd
 PO Box 54, Coorparoo, Qld 4151 **AUSTRALIA**