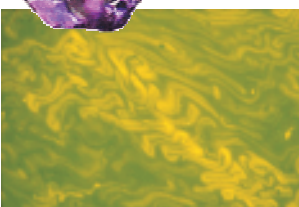
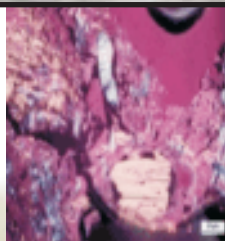


COKE



## 58<sup>th</sup> Meeting ICCP

September 3 - 9

## Bandung, Indonesia



Back Row (L to R): Kimon Christanis, Alan Cook, Ivana Sýkorová, Petra David, Deolinda Flores, Walter Pickel, Antonis Bouzinos, Padmasiri Ranasinghe

Front Row (L to R): Stavros Kalaitzidis, Dirk Prinz, Ángeles Gómez Borrego, Cristina Rodrigues, Peter Crosdale, Isabel Suárez Ruiz

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this  
issue*

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34	commission II	53, 55	new iccp publications

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## From the Editor

Another extremely **successful ICCP meeting** was had by all who were able to attend in Bandung. The meeting was well organised and ran very smoothly. Our hosts could not do enough for us and every small detail was attended to. So congratulations to our hosts and many, many thanks. While I was disappointed at the small attendance, I can assure you that the meeting was very productive and much was achieved.

A number of very important issues were tackled at the meeting. High on the list was the matter of **registration** of ICCP. Details for registering had been sought from 7 states and 2 organisations. Affiliation with either of the organisations did not prove to be possible. In my view, it was disappointing that registration details were received for only 3 of the 7 states mooted, especially so given the strenuous debate in Patras last year. Nevertheless, registration discussions were extremely fruitful and a broad comparison between the 3 states is now possible (*see page 42*).

**Accreditation programs** also received a good hearing at the meeting. It seems clear that this activity of ICCP is now one of our major strengths. It was very good to see a strong degree of co-ordination and co-operation between the 3 programs, while at the same time each maintains its independence. Congratulations to the convenors of these programs and the accreditation committee.

A number of Council positions fall vacant next year and so **elections** will be necessary to fill some of them. The *vice-President* and *Chair of Commission II* were re-elected unopposed, so congratulations to Lopo and Ángeles. Fields of strong candidates have been nominated for the positions of *President*, *Secretary of Commission II* and *Chair of Commission III*. Considerable thought will be required before voting. ***I strongly encourage you to vote if you are entitled to.***

Another exciting development has been the commissioning of a **new ICCP website**. Dave Pearson and his team have done an excellent job over the past few years and we wish Dirk Prinz and his colleagues similar success in the future.

cheers and happy reading

Peter (ICCP Ed.)

## From the President

I am starting to write this on my way back from the Bandung meeting. It was, alas, not well attended, but I think it was a very productive meeting - is it possible that there is a positive and causal relationship there? I would like to think not! My thanks to the members who did go to Bandung. Many have told me they found the visit and the meeting to be excellent. I did not go on the excursion due to a commitment in Bandung, but there are excellent stories about the visit to Bukit Asam and the metamorphic aureole. I also had good reports about the hospitality shown to us by the mining company, PTBA.

The various plagues that have seemed to have visited Indonesia this century continued at about their normal frequency so we suffered no inconvenience at all from the colleagues of Terry Wrist, from tsunamis, earthquakes, lumpur panas (the hot mud besetting part of East Jawa). I continue to be amazed at the difference between the actual experience of being in Indonesia and the various perils that, for example, the Australian Department of Foreign Affairs continues to list as "imminent threats". Even the chickens in the village where I lived during the conference seemed blissfully unaware of the fact that they should be dying in droves from bird flu. Members did, however, learn about the early morning call to prayers, but I suspect that by the end of the week, all had learned to sleep through it. The most major problem seemed to be that certain of the party managed to exhaust the beer stocks of the hotel by about 9 pm on a couple of occasions.

All of the meetings seemed to run well, although we had a reversal of Patras where the projector (or beamer in the parlance of the General Secretary - not sure of the spelling though) would talk to my computer, but not to Petra's. At Bandung, it would talk to hers but not mine. This left me a little worried as I had some presentations to give in Bandung the next week, but a hotel technician solved the problem in about 3.5 seconds. A number of convenors were not present but most (possibly all) had sent contributions and discussions proceeded as normal.

One useful feature was that for the first time since the 1998 meeting we had the SCAP convenor present in the Council meetings. As you will know, there are two additional programs running in 2006, and all three convenors were present. This proved extremely useful and we were able to achieve results on some important questions in a matter of minutes that might well (based on previous experience) have taken a couple of years to achieve,



and then possibly without full agreement. As Sandradurage Padmasiri (aka Paddy) was also present at the other meetings, it was also possible to cover aspects of the database. Paddy also spent some time with convenors going over the program, and I think a number of improvements were made as a result of this interaction. Again, this was a process that would have been possible by Email, but would have been slow and with potential for misunderstandings.

Following on the Treasurer's report to Council, I made the point that with the expansion of the SCAP activity (84 analysts this year were invoiced) and the introduction of DOMVR and later in the year the Coal Blends programs, both income from, and expenditure on, accreditation activities were now greater than fee income and expenditure on "normal" ICCP activities. The current calendar year is likely to be unusually expensive for accreditation - transfer of materials from Wollongong to Patras for SCAP, set up costs for both DOMVR and Coal Blends. Nevertheless, accreditation will show an overall surplus in 2006 and is likely to show a larger surplus when the next round of analyses is run. This compares with a variation between a small loss and a small surplus on fee income and associated activities.

In future, income from accreditation is likely to average more than income from membership fees. It is important to remember that fees for members taking part in accreditation programs are lower than those for non-members. Thus, in conceptual terms, a part of the accreditation income should be notionally associated with membership - that is, although a distinction can be made between membership fee income and accreditation income, the real distinction is not nearly as clear cut.

Partly because projections indicate fees will more than cover costs of accreditation activities, and to encourage participation by members in more than one program, it was decided to offer discounts to ICCP members taking part in more than one program, 10% for participants taking part in any two of the programs, and 20% for those taking part in all three programs. Feedback was received from two of the convenors that some potential analysts had suggested that costs were higher than they would prefer. It was felt that the discount scheme would address this problem and provide additional value for members from their membership.

Discussions were also held in Council and at the Plenary Session about possible changes to the membership fee structure. For the 2004 meeting, the Treasurer had made proposals for a reduction in membership fees of 20% (as well as some currency realignments). Both Council and Plenary Session

strongly rejected the proposal although (or then again, perhaps because) it was supported by the President! The Treasurer's arguments were that our reserves were sufficient to permit some run down, and lower fees might attract additional members especially from developing countries.

Since 2004, ICCP has run at a loss in some years, perhaps the rejection was wise in the circumstances. Earlier in 2006, Peter Crosdale had put forward a scheme to address the issue of lower fees, the relationship of fees to costs and problems with members making payments well after the due date. The details of the proposal are set out in the minutes but include a discount for payment on time, a continuation of lower payments if they are made for a block of three years, and a reduction of fees to act as an incentive for members to take the Newsletter electronically off the web rather than as a hard copy.

Lowering the number of copies to be printed reduces printing costs as well as postage charges. It was also noted that now we are able to retain copyright on articles published with Elsevier, it will be possible to allow members to load the PDF files from a secure area on the website and this will remove the need to post out reprints for members taking electronic feed. Calculations of the net effects of these changes are that any changes in the financial position of ICCP should be neutral or slightly positive.

That is, members could have significant discounts, without impacting on the finances due to the linking of the discounts with lowering the costs of the Newsletter.- 10% for on-time payment and an additional 20% discount for members willing to take internet downloads of the newsletter. Council and the General Assembly meeting in Plenary Session both agreed to these proposals for implementation in 2007 subject to further comment from the Treasurer.

It was also noted that the number of invoices needed to be issued had grown with the additional accreditation programs and it was proposed that a consolidated invoice be developed to permit one invoice for all ICCP activities at the commencement of a given year. Where members opt for payment for a three year period, supplementary invoices would be needed for accreditation and it is recognized that convenors would have to advise the Treasurer of the program for each year by the previous November. The convenors and the Accreditation Sub-committee both felt that this should not present a major problem. Essentially, members would be offered a menu of ICCP activities and would pick the ones in which they wish to take part. It is intended that this

will simplify invoicing compared with for example, 2004, and certainly compared with 2006.

This year sees a number of elections. At the Bandung meeting, Lopo Vasconcelos and Ángeles Gómez Borrego were confirmed in their previous positions as Vice President and Chair of Commission II, their being no other nominations for these positions. Details of the other nominations are given in the minutes.

These elections occur at an important time in the development of ICCP. In the late '80's it might have been possible to declare that most of the work originally proposed for ICCP had effectively been done. That decision was not made, and as far as I remember from the discussions at that time, was not even a remotely likely event. It was realized that revision of the definitions (especially of the macerals) was long overdue, and almost like a cuckoo appearing in the nice comfortable ICCP nest, accreditation was spawned - to mix the metaphors a bit.

We are now well on with revisions, although liptinite seems to be slow in coming along, and the New Handbook is gradually taking form. The original accreditation program (now called SCAP) has grown with record numbers this year, and to that have been added the measurement of vitrinite reflectance in dispersed organic matter (DOMVR) and coal blends analysis (CBAP). Accreditation was already a major activity but has become even more significant. Both running and administering these programs is a significant task. It requires rigorous control of the systems used and good communication throughout the system.

We also have the major challenge of registration. The first decision has been made, we will become registered. It has become clear that association with other scientific societies is not a real option. Information on three jurisdictions has been obtained and a timetable was set out for allowing late submissions about other locations and a procedure for developing information to a point where a vote can be held. The exact rules for each jurisdiction are different and it is also the case that it is not easy to correlate the requirements for the various jurisdictions. Initial costs show some variations and the running costs of different locations also differ. Taxation treatments provide an additional variable.

Over my seven years in office, progress has not always been as fast as I would have hoped, with a number of decisions turning out to be false starts such as when we almost decided to register Accreditation but keep ICCP as it was. An ICCP that is a registered organization will require good governance with a major requirement for documentation of all the governing body agendas

and minutes being much more demanding than is currently the case. I have tried to ensure that we have made a transition from relatively informal ways of conducting meetings to the level of formality that is required for reporting to a relatively large membership, and will be doubly needed for a registered organization. The amount of work required of the governing body will be significantly more than has been the case to date.

My successor will face considerable challenges both in implementing a decision to register and in ensuring that ICCP is properly administered. The need to choose wisely in the forthcoming elections is greater than that for previous elections. ICCP is now a much more complex organization compared with just a few years ago.

ACC

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*Commonly, "Know Your Coal Petrologist" immediately follows the president's column. However, over the last few year's the largely unexpected and unappreciated Terpsichorean skills of the current and former presidents have been noted. This year was no exception and we were again greatly entertained at the conference dinner by the President, Dr Alan Cook, demonstrating the correct manner in which a tari jaipong kembang tanjung should be performed.*

## From the General Secretary

The Bandung meeting was a success although relatively few members attended the meeting. It was very well organized, as you can read also read in the meeting minutes. Furthermore it seems to me that a meeting with only few people attending is much more exhausting. We worked a lot and some major decisions were made. We hope that they will be implemented in the coming year. The decisions include alterations to the fee structure for Accreditation and some recommendations about membership fees.

In the last years, quite a bit of the General Secretary's time is taken up with applications. It is worth pointing out the changes that have been implemented in procedures. Most applications are now received between meetings and circulated to Council members with a specific set of documents, basically a curriculum vitae, a photograph, any additional supporting documents from the candidates and supporting letter or letters from ICCP members.

Council is then able to make a recommendation. The applications are then listed briefly for mention both in Council and at the Plenary session where I also present a summary as part of the meeting powerpoint presentation. A summary of the new members is also published in the ICCP NEWS. Approximately the same procedure is followed both for admission of associate members and for progression to full membership. This permits much more rapid access to membership compared with the old paper applications considered during the Council and generally provides better documentation to all Council members for their decisions.

I also retain copies of the application papers so that we now have an archive of our newer members. It is, however, the case that for many of our more senior members we have very few if any records of their careers. I am trying to build up a record of our members and would be pleased to receive at least brief cvs of any of our members. These will be kept in an archive. Access would only be granted with permission. As you will realize, there are occasions, when I need access to details of members.

I believe that the general minutes of Council and Plenary Session are kept in more detail now than was previously the case. The Plenary Session minutes are published in the Newsletter

immediately following the meetings together with short Council minutes. Short Council minutes were introduced at the 2002 meeting as it was felt that the Plenary Session should be better informed of Council decisions. Clearly if members attending the Plenary Session were to be given short minutes, these should be made available to members who were unable to attend.

As many of you will realize, we ran out of the original medals for the Thiessen Award and a new medal had to be prepared. After some discussions we have settled on a bronze cast medal as similar as possible to the original medals, except that the name and date of the award have been added to the reverse of the medal. When the Organic Petrology Award was made, a special medal was designed for this by a Dutch artist, Pier van Leest, with major input from Peter Crosdale. The medal has been cast by the same company that manufactures the new Thiessen Medals.

The website has been redesigned by Dr Dirk Prinz and has been transferred to Aachen recently. We are currently updating the information. The new site will have secure areas where we can post members-only material. Some decisions have been made about material that will be open access and the types of material that will be kept in the secure areas. In the coming months council will be busy to optimize the content of the secure area of the website and I will inform you about the progress in the next ICCP News. As soon as the secure sight will be operational, you will be provided with your own user name and password. I expect that this will happen in spring 2007.

Elections shall be conducted in the coming months. Nominations had been called for the positions of President, Vice President, Chair of Commission II, Secretary of Commission II and Chair of Commission III. You will find more details in the full meeting meetings in this issue of the News.

Wish best wishes  
Petra David  
ICCP GS

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## Letter to the Editor

We would like to share our current experiences with the coal petrographic community.

Last year Sasol purchased a new coal petrographic microscope from a leading German

manufacturer. The particular product was selected primarily due to the fact that we have a great relationship with the local agent, and secondly as we currently have microscopes from the same manufacturer. The main reason for the purchase was for a new reflectance system, as well as the fact that current microscopes are close to 30 years old, parts are wearing out and can no longer be replaced.

After some hard work putting the quote together to ensure everything was included, as well as an overseas visit for training on the reflectance system, the microscope & accessories arrived from Germany. Unfortunately the image was very poor, and after almost 10 months of “fixing it”, the “muddy” film remains. Only the 50X objective is available for this model and it seems that the current system cannot handle highly reflective samples like coal. The second last objective supplied had a coating added that only worked with 90° polarization, and the last objective supplied was worse than the initial objective. Perhaps it is not the objective lens that is the problem? The whole microscope set up is now being examined.

It would appear that the manufacturer had decided that coal petrography was no longer required and had simply stopped making suitable microscopes, despite the appropriate model (in theory) being available. Older models are no longer available, and objectives are not swappable between models. A very last trial is underway, but if this does not work, the microscope will have to be returned to Germany. We thank the South African agent for keeping at this for the past year, but request that German manufacturers do consider the reviving interest in the coal and carbon economy and the long term reliance that the world will have on coal as a major energy source.

The reflectance system (PMT III) was supplied and integrated by J&M from Germany as both German microscope manufacturers sold their reflectance business unit. The PMT system works very well with easy Windows based software tailored to the clients needs, including a wide range of separate standards.

A second institute in South Africa wishing to purchase a new petrographic microscope system recently requested a quotation from another German agency due to the problems with the first agency. It has taken 3 months to put the quote together, with the local agents largely pointing fingers to their German counterparts (including no

communication during the World Cup time!). In essence, all the components for the petrographic system had to be pulled together (with the reflectance unit and point counter coming from different organizations)—there does not appear to be a “menu” for a coal petrographic microscope any longer.

So if you are planning on purchasing a new petrographic microscope from two of the supposed leading brands, please beware of possible pitfalls.

You are welcome to discuss this further with us.

Regards,

Nikki Wagner & Johan Joubert  
South Africa

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## New ICCP Website

As members download this newsletter from the ICCP web site, it will be obvious that significant changes have occurred.

The web site has been hosted for a number of years by **Dave Pearson**. It must be said that Dave has really bent over backwards to accommodate any requests put to him. *Many warm thanks to Dave for his efforts - they have been really appreciated.*

Hosting of the website has now moved on to Aachen, with **Dirk Prinz** as the new web master. **Congratulations Dirk!** Dirk and his off-sider **Ralph Delzepich** (who really does all of work according to Dirk) have been very busy with construction of the site. Due to operational reasons, the site has been opened before it is fully complete so a number of segments are still “under construction” - but not for long.

Of particular note will be the “members only” section. It is intended for this area to contain items such as: the full newsletter (with an abstracted version in the public area); a discussion forum; on-going working group activities; current membership information; and so on. However, exact details are still under consideration and members will be informed when it is operational and how to access it.

It is hoped these new developments will increase the exchange of scientific information and enhance the ability of ICCP working Groups to achieve their goals.

Again, many, many thanks to Dave and good luck to Dirk and Ralph in their endeavours.

# Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP) 3 - 9 September 2006, Bandung, Indonesia

## GENERAL COURSE OF THE MEETING

The 58<sup>th</sup> meeting of the ICCP took place in Bandung (West Java, Indonesia) from 3 - 9 September 2006 including a two day Asia Pacific Symposium on Lower Rank Coal - integrating lower rank coals with industrialization in the 21<sup>st</sup> century. Meeting and Symposium were very well organised by the Center for Geological Resources, DIM, Bandung. Members of the Organising Committee and Scientific Committee are listed in Table 1.

*Table 1 Members of the Organising Committee and the Scientific Committee*

### Organising Committee

#### Patronage:

Dr. Sembiring, Director General Geology and Mineral Resources

#### Honorary Chairmen:

Dr. Hadiyanto, Director Mineral Resources Inventory (DIM)

Dr. Andang Bachtiar, President Ikatan Ahli Geologi Indonesia (IAGI)

Mr. Jefrey Mulyono, President Indonesian Coal Mining Association (ICMA)

#### Chairman :

Ir Herudiyanto MSc, DIM

#### Members:

Dr. Rukmana Adi N., DIM

Dr. Bukin Daulay, TekMIRA

Fatimah MSc, DIM

Dr. Agus Pudjobroto, DIM

S.S. Rita Susilawati MSc, DIM

Ir. Sukardjo MSc, DIM

Ir. Eddy R. Sumaatmadja, DIM

Dr. Nana Suwarna, GRDC

Ir. Danny Z. Herman

S.M. Tobing MSc, DIM

Ir. Nurdrajad MSc, UNPAD

Ir. Deddy Amarullah, DIM

Ir. Basuki Rachmat MSc, (UPN)

### Scientific Committee

*Chairman:* Dr. Bukin Daulay, TekMIRA

*Members:* Dr. Hermes Panggabean, GRDC

Dr. Eddy A. Subroto, ITB

Dr. Bukin Daulay, TekMIRA

Dr. Chairul Nas, Univ.

John Harrington Corelab, Jakarta

Dr. Komang Anggawijaya, ITB

Dr. Alan Cook, President ICCP

Ir. Herudiyanto MSc, DIM

The meeting and symposium took place at the Horison Hotel in Bandung, West Java.

14 Members of ICCP and 1 guest attended the ICCP meeting representing a total of 7 countries (**Appendix I**). The Symposium on Lower Rank Coals was attended by over 200 scientists. An overview of oral and poster presentations is given in **Appendix II**.

The audience was welcomed by the Chair of the Organising Committee, Ir. Herudiyanto. The first Plenary Session 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; *Gerd Bieg*, Germany; *Gisela Bieg*, Germany; *Marc Bustin*, Canada; *Zuleika Caretta*, Brazil; *Alfonso de la Cruz*, Australia; *Alan Davis*, USA; *Aivars Depers*, Australia; *Elizabeth Gawronski*, Australia; *Helmut Jacob*, Germany; *Mária Hámor-Vidó*, Hungary; *Werner Hiltmann*, Germany; *Jolanta Kus*, Germany; *Krystyna Kruszevska*, Poland; *Ed Lester*, UK; *Maria Mastalerz*, USA; *Rosa Menendez*, Spain; *Manuel Lemos de Sousa*, Portugal; *Duncan Murchison*, UK; *Cornelia Panaitescu*, Romania; *Stephanos Papazisimou*, Greece; *Ricky Pinheiro*, South Africa; *Georgeta Predeanu*, Romania; *Harold Read*, Australia; *Hennie Roux*, South Africa; *Rudi Schwab*, UK; *Harold Smith*, UK; *Krystyna Tokarska*, UK; *Lopo Vasconcelos*, Mozambique; *Harry Veld*, Netherlands; *Angelika Vieth*, Germany; *John Vleeskens*, Netherlands; *Rolf Wartmann*, Germany; *Peter Warwick*, USA.



## 2. MINUTES OF THE BUDAPEST MEETING

The President asked the Plenary Session for confirmation of the minutes of the 57<sup>th</sup> ICCP Meeting held in Patras, Greece, September 18-26, 2005. The minutes as published in the ICCP News were approved as an accurate record of the meeting.

## 3. FUTURE MEETINGS

### 2007 Victoria, Canada

Vern Stasiuk was not able to attend the ICCP meeting in Bandung. He made a presentation on arrangements for this meeting at the 57<sup>th</sup> meeting in Patras, Greece. The meeting will take place from 18-25 August 2006 in Victoria, Canada (at the University of Victoria Conference Centre).

It will be a joined ICCP/TSOP/CSCOP meeting. It is planned to have three days of ICCP Commission meetings and 2 days of TSOP and ICCP technical sessions. A two day field trip will be organised to North Vancouver Island (Comox Mine) to examine Cretaceous coal measures of Nanaimo and Comox Group. Some local geology and tourist highlights will also be shown. The field trip will be led by B.C. Energy and Mines Team.

### 2008 Oviedo, Spain

Isabel Suárez Ruiz informed council and the general assembly on the planned activities for the 60<sup>th</sup> ICCP meeting to be held in Oviedo, Spain. The meeting will take place from September 21-28, 2008 and will be organized by CSIC INCAR. This meeting will also be a joint ICCP/TSOP meeting. The preparations for the meeting will start at the end of this year

### Future Meetings

The following invitations to host ICCP have been received

**2009 Porto Alegre, Brazil**

**2010 Belgrade, Serbia**

## 5. MEMBERSHIP

### 5.1 Associate membership

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

5.1.1 Associate Membership

5.1.1.1 Gisela Bieg, Germany

5.1.1.2 Nader Ahmed Ahmed Edries (Edress),

Egypt

5.1.1.3 Johan Joubert, South Africa

5.1.1.4 Irena Kostova, Bulgaria

5.1.1.5 José Ramón Montes Sánchez, Spain

5.1.1.6 Wayne Knowles, UK

5.1.1.7 Matt Todd, Australia

5.1.1.8 Alexander Zdravkov, Bulgaria

### 5.2 Full membership

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

5.2.2 Full Membership

5.2.2.1 Sandradurage Padmasiri Ranasinghe, Australia

5.2.2.2 Kees Kommeren, Netherlands

5.2.2.3 Joan Esterle, Australia

### 5.3 Re-admissions

5.3.3.1 Sharon M Swanson, USA (AM)

5.3.3.2 Harry Veld, Netherlands (FM)

A short introduction of the new (associate, full and re-admitted) members based on their applications and CV's was given to the audience. Giesela, Nader, Johan, Irena, José Ramon, Wayne, Matt, Paddy, Kees and Sharon have already been introduced in ICCP Newsletter 38. A summary of the members, who have not previously introduced is given in **Appendix III**.

All membership applications were unanimously supported by the General Assembly

### 5.3 Honorary Membership

No members were elected to Honorary Membership of ICCP in 2006.

A letter has been received from the last year's Honorary Member Manuel Lemos de Sousa, in which he expresses his special thanks to Council and General Assembly for this honour.

### 5.4 Resignations

Adrian Reifenstein, Australia

### 5.5 Membership Directory

A new membership directory was produced by the Editor in August 2006 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. The directory was posted to all members in August 2006 along with ICCP News #38.

## 6. FINANCIAL MATTERS

### 6.1 Treasurer's Report

The Treasurer's Summary Report is attached as **Appendix IV**.

### 6.2 Reduction of Membership Fees

In 2004, the Treasurer proposed that membership fees be reduced by 20%. Council and the members sitting in Plenary Session rejected this proposal although, in the absence of the Treasurer, it was supported by the President in both forums. It was noted that the proposal was not accompanied by any projections of income or of expenditure. Since that time, it has become evident that ICCP has run at a loss on the non-accreditation account in some years and the cost of producing the ICCP Newsletter has risen, the Treasurer notes that it now costs about 60% of membership fees.

The Editor has made some proposals (**Appendix V**) that address three main problems he identifies

1. Late payment of fees.
2. Rising costs of newsletter.
3. Keeping costs to a minimum and giving members an incentive to assist in doing this.

To this end he has proposed a revision of the fee structure to include:

1. A discount for early or on-time payment of membership fees (to address point 1).
2. A related discount to be offered on payment for 3 years in advance (also to address point 1).
3. An additional discount where members agree to take the Newsletter in electronic form (to address points 2 and 3.).

These proposals are set out in Tables 3 and 4 of **Appendix V** and an example pro forma invoice is provided as an attachment in that **Appendix**.

The Treasurer has opposed the proposals although the reasons for that opposition were not clear at the time of the meeting. The Editor suggests that the overall effect of the changed fee structure is similar to that suggested by the Treasurer in 2004 (it is noted that the Editor was not present at the 2004 meeting), but has been restructured to ensure that while fees are potentially lowered, nett income is essentially unaffected due to cost savings.

The projections given in the correspondence and presented to Council, indicate that ICCP income less expenses should be **effectively unchanged or show a slight cost benefit** to ICCP. This is

important because, as noted above, if only **membership income** is considered, ICCP will be **running at a loss in many years**. The proposals are projected both to permit a decrease in membership fees, and to improve the balance for ICCP when accreditation income is excluded.

ICCP General Assembly meeting in Plenary Session approved the proposal by a vote of 13 (11 Full Members) in favour and 1 against and further recommended to the Treasurer that consideration be given to introducing a revised fee structure as set out in Tables 3 and 4 in **Appendix V** and illustrated in the example pro-forma invoice for implementation in 2007 subject to further advice from the Treasurer and further consideration by Council.

## 8. AUDITORS REPORT 2003/2004 & 2004/2005

The Auditors Report is attached in **Appendix VI**.

## 9. EDITOR'S REPORT

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

## 10. WEBSITE

Introduction of new website layout as demonstrated by Dr. Prinz at the Budapest meeting has been delayed. It is expected that the new website can be active after the meeting.

Dr Prinz gave demonstrations of the new format of the website. Advice has been received that we need to renew the web reservation and arrangements will be made for the transfer of the site before November 2006 to conform with the needs for site reservation.

## 11. NEW HANDBOOK EDITION

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

## 12. ELECTIONS

Nominations have been called for the following positions: President, Vice President, Chair of

Commission II, Secretary of Commission II, and Chair of Commission III.

Nominations received:

President:

Petra David, The Netherlands  
Wolfgang Kalkreuth, Brasil  
Walter Pickel, Australia

Vice-president:

Lopo Vasconcelos, Mozambique

Chair Commission II:

Ángeles Gómez Borrego

Secretary Commission II:

Mária Hámor-Vidó, Hungary  
Carla Araujo, Brasil

Chair Commission III:

David Pearson, Canada  
Isabel Suárez Ruiz, Spain

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

For the position of Vice-president and Chair of Commission II Council submitted only one nomination for each position to the General Assembly and no further nominations were received from the floor. Therefore Lopo Vasconcelos and Ángeles Gómez Borrego were elected for the positions Vice-president, and Chair of Commission II respectively. Congratulations! Elections will be conducted for the positions of President, Secretary of Commission II and Chair of Commission III.

According to the Statutes article 11(c)v the President will prepare and send out the voting papers for the position of President.

### 13. STATUS OF ICCP

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.

**Resolved** ICCPC05/12/5. Council invites submissions from members on the costs and conditions of registration for the following jurisdictions:

Portugal; Spain; France;  
Germany; Greece; and Brazil;

and additionally requests members to report on the

possibility of registration through either of the following organizations:

American Geological Institute

European Union of Geosciences.

The submissions should include costs of initial application, cost for registration of name, renewal costs on an annual basis, requirements for reporting and costs of reporting, auditing requirements and costs, costs of professional liability insurance, any extra legal requirements and all legal implications for ICCP. For links with scientific organizations, an account should be given in relation to any limitations that the association might impose on ICCP together with a full account of the costs.

These submissions should be sent to the General Secretary on or before 14 February 2006.

Proposals and information were received as follows:

Deolinda Flores - Portugal

Kimon Christanis - Greece

Alan Cook - NSW

Petra David and Jolanta Kus - Copernicus and EUG

Paul Hackley - AGI.

From documents received in relation to ICCP becoming a member society of AGI or EGU it has been concluded, that neither AGI nor EUG would be able to host ICCP as a member society. More information is given in the **Appendix X** (Short Council minutes).

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.

**Resolved** ICCPC06/12/1. Council requests the General Secretary to consult with those providing data for Greece, New South Wales and Portugal, with a view to bringing back to Council during the course of the present meeting, a table showing valid comparisons.

A meeting was held and the table shown in **Appendix X** will be used as a basis for preparation of a more definitive table according to the timetable set out in **Appendix X** (Short Council minutes).

## 14. REVISION OF STATUTES

The Crosdale paper discussing the Statutes was provided as an attachment for the Copenhagen (2001) meeting. This drew attention to problems with the Statutes and provided comments from a legally qualified person. This material was put to Council members for comment on the paper by Peter and comment was received in 2001 from five members of Council.

Lopo Vasconcelos agreed to coordinate further consideration of changes, prepared a document that was circulated during the year and published a series of questions that members were encouraged to answer in the ICCP Newsletter. He has now drawn attention to the need for revision of the statutes to be correlated with registration and has made some proposals as set out in **Appendix VIII**.

## 15. ACCREDITATION PROGRAMS

A new convenor - Kimon Christanis - had been determined at the Patras meeting for Single Coal Accreditation Program (SCAP). During the year, material was transferred from Wollongong to Patras for the SCAP. Samples for a new exercise were sent out in spring 2006.

The two new accreditation programs, Coal Blends (CBAP) - convenor: Isabel Suárez Ruiz and Reflectance of vitrinite in dispersed organic matter (DOMVR) - convenor: Alan Cook- have been started. Current numbers of participants in these programs are 17 (CBAP) and 37 (DOMVR).

### Fee Structure

Council and the General Assembly unanimously agreed to the following fee structure (the existing fee structure for the single coal program (now referred to as SCAP):

*Table 1. Existing fees for Single Coal Maceral and Reflectance Analysis Program (SCAP)*

	Entry \$	Cont. \$	Entry €	Cont. €	Entry £	Cont. £
Non-Members	150.00	100.00	126.00	84.00	85.71	57.14
Members	80.00	50.00	67.20	42.00	45.71	28.57
Students	50.00	30.00	42.00	25.20	28.57	17.14

US\$1 = 0.5714£; US\$1 = 0.84€

Cont. = Continuation

The Treasurer reports income of GBP3,452.28 for the SCAP program in 2006

*Table 2. Proposed fees for Coal Blends Analysis Program (CBAP)*

	Entry \$	Cont. \$	Entry €	Cont. €	Entry £	Cont. £
Non-Members	240.00	200.00	201.60	168.00	137.14	114.28
Members	120.00	100.00	100.80	84.00	68.57	57.14
Students	n/a	n/a	n/a	n/a	n/a	n/a

US\$1 = 0.5714£; US\$1 = 0.84€

Cont. = Continuation

*Table 3. Proposed fees for DOM vitrinite reflectance Analysis Program (DOMVR)*

	Entry \$	Cont. \$	Entry €	Cont. €	Entry £	Cont. £
Non-Members	120.00	80.00	100.80	67.20	68.57	45.71
Members	60.00	40.00	50.40	33.60	34.28	22.86
Students	n/a	n/a	n/a	n/a	n/a	n/a

US\$1 = 0.5714£; US\$1 = 0.84€

Cont. = Continuation

Income to date for the DOMVR (37 registrants, 60% paid at 23 Aug 2006) GBP958.48

### Discounted fees for multiple programs

Some comments were made about the levels of fees. Two possible types of discount might be considered.

1. Discounted fees for multiple programs, and;
2. Discounted fees for multiple analysts from a single laboratory.

It appears that fee income will cover costs at least over the first two periods in which the new programs are operated. It was agreed unanimously by Council and the General Assembly that at this stage a discount be introduced for future years for multiple programs as follows:

### ***Resolved ICCPC06/15/1***

- i) for analysts taking part in two programs, the fees for the two programs be discounted by 10%.
- ii) for analysts taking part in all three



*programs, the total fee for any given round be discounted by 20%. In order to simplify matters where analytical rounds are not conducted at exactly the same times, where analysts are enrolled in all three programs, each be discounted by 20%.*

It is noted that a number of laboratories include both members and non-members. It is suggested that these discounts apply both to members and non-members. It is also noted that the differential fees has caused some additional membership applications to be forthcoming.

#### Accreditation Sub-committee

The Accreditation Sub-committee comprises:

The Chair of Commission I

The Chairs of any other Commissions contributing Accreditation programs (Now Commissions II and III)

An additional member drawn from outside Council

The Convenors of the accreditation programs. During the year Walter Pickel (as the Chair of the Accreditation Committee) and David Pearson (as a additional member drawn from outside Council) resigned.

Chair of Commission II, Ángeles Gómez Borrego has been elected the new Chair of the Accreditation Sub-committee and Kees Kommeren from the Netherlands agreed to join the Accreditation Sub-committee as a member from outside Council.

The convenors of each accreditation program will report initially to the Accreditation Sub-committee and through it to the President.

## **16. AWARDS**

### **6.1 Thiessen Medal Award**

No recommendation for the Thiessen Medal was received for this year in accordance with the Council resolution ICCPC03/7/3/2.

### **6.2 Organic Petrology 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. Isabel Suárez Ruiz, Spain. Alan Cook read the Laudatio.

## **17. REPORT FROM THE COMMISSION MEETINGS**

Reports of the meetings of the Commissions were presented during the Closing Plenary Session on September, by Walter Pickel (Chair of Commission I), Ángeles Gómez Borrego (Chair of Commission II) and Isabel Suárez Ruiz (Acting Chair of Commission III). The minutes of the Commissions are presented in **Appendix IX**.

## **18. REPORT FROM THE COUNCIL MEETINGS**

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

## **19. RELATIONS WITH TSOP**

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

Prof. Kalkreuth was scheduled to make a presentation on ICCP to TSOP at the Beijing meeting.

The President made a presentation in relation to TSOP activities on behalf of the TSOP President Peter Warwick

## **20. FEEDBACK FROM MEMBERS**

The President notes that the following letters and Emails or letters appear to fall within the category intended for this item and that some have been partly covered in other items of business at this meeting.

Letters from Dr Pareek to the Editor stating *inter alia* that hospitalization has prevented him from attending to membership correspondence. Both the Editor and the General Secretary have responded and Dr Pareek has expressed his gratitude for their consideration.

Letter from Monika Wolf and nine other members asking the Editor to publish in the Newsletter nominations for the forthcoming elections. The Editor made a ruling that this had not been previous practice and explained this to Professor Wolf. The President wrote to Professor Wolf supporting this response and indicating that lodging the letter with the General Secretary would be taken as notice of the nominations.

It is hoped that the acceptance of the letter as notice of nomination will indicate to members that

a procedure for nomination exists and should be followed. It is also noted that had the Council or the Plenary Sessions not been quorate, no alternative exists for nominations to be properly made. No "get out" clauses were found, although a search was made in case either of those forums was not quorate. This may be yet another argument for revision of the statutes. We could have had a situation where nominations of officers for positions would have been informal, and it would have been illegal for the President and the Chair of Commission III to have remained in office.

Jim Hower requested information on the low numbers of ICCP Members subscribing to Coal Geol compared with those who are TSOP members.

## 21. OTHER BUSINESS

### Archives

The archives were handed on to Deolinda Flores. Dr Flores reported on the activities during the year 2005/2006.

### Altas of Anthropogenic Particles

Maria Mastalerz, extract from Email of 17 August 2006

"Indiana produces equal number of CDs (for example 100 to begin with) for ICCP distribution and Indiana distribution. We will have identical prices, and our management suggest \$20 for everybody. All the ICCP sales money stays with ICCP, and all the Indiana sales money stays at IU. This way, no money transfer is necessary. We will not charge ICCP for CDs. We will make them available for ICCP for free"

This offer has been accepted with thanks

## 22. SOCIAL PROGRAM AND FIELD TRIP

The ice breaker party took place on Sunday, 3 September in the Horizon Hotel. Plenty of delicious food was served and the ICCP group was welcomed by a number of Indonesian colleagues.

On Wednesday morning we left early to visit the crater of the volcano TANGKUBAN PERAHU. The name Tangkuban Perahu or the 'overturned boat' is derived from the Sundanese 'Sankuriang' legend. Its craters are the remnant of a gigantic collapsed volcano, it still simmers and bubbles, sending up sulphurous fumes. Its last serious eruption was 1969, filling the area with black clouds, ash, and mudflows. Geologically, Mt. Tangkuban Perahu has played a significant role in

the development of the Parahyangan highlands. Eruptions have contributed immensely to the hills west of Bandung through lava flowing into the valleys and hardening into rock, thus forming big cliffs over which waterfalls leap.



*Descending into Tangkupan Perahu. Sharp eyes can identify at the crater rim Dirk Prinz (L), Isabel Suárez Ruiz and Deolinda Flores, with Stavros Kalaitzidis further down and even deeper still are Antonis Bouzinos and Kimon Christanis. The safety fence around the crater was seemingly built with a view that it could not retain a volcanic eruption in any case.*

On Thursday night we were invited for dinner to The View a restaurant up the hill where we had a beautiful view down over the city of Bandung. As is common practice in Indonesia, but very special to ICCP members, some of the dinner guests took over from the professional singer to give a live performance - not unlike a Karaoke session. Unfortunately no ICCP member had enough practice to join this session actively, so we could only sit back and enjoy the performance of our Indonesian colleagues.



*Ladies from the organising committee enjoy some lunch-time shopping.*

On Friday night the audience of the International Symposium on Low Rank Coals was invited to attend a formal dinner in the Gedung Sate Building. This dinner was accompanied by a beautiful and impressive performance of traditional dances.

During the lunch break on Friday the ladies from the organising committee took us to some traditional shops so that we were able to buy some of the beautiful Indonesian handcraft.

Everything during the ICCP meeting and the Symposium on Low Rank Coals was very well organised and the hospitality of the organisers tremendous. As well professionally as socially it was a remarkable meeting and I am sure that those who attended the meeting will not forget it.

Terima kasih Herudiyanto!

Very early on Sunday morning the majority of the ICCP group left for Jakarta in order to get the plane to Palembang, Sumatra for the field trip. We were accompanied by a group of Indonesian colleagues, with Eddy Subroto guiding the tour.

As the sun was rising, we were able to have a last sight of the beautiful landscape of West Java. We reached the airport in time, the plane left with only little delay.

We headed by bus to Bukit Asam, a coalfield with active coal mines that is located about 165 km to the NE of Palembang. The mining area is situated near a small town of Tanjung Enim. The bus trip took about 5-6 hours and we got a small impression about traffic and daily life in Sumatra.



*ICCP members at the mine at Bukit Asam*

At Bukit Asam we were welcomed by a number of delegates from PT Tambang Batubara Bukit Asam (PTBA). After a short presentation on the Bukit Asam Coalfield, we departed to a first short visit to the mining area.

Mining activities in the Bukit Assam Coal Field go back to 1919, when a small open bit mine was operated in Bukit Asam area. In 1923 underground mining started in this area known as Suban and Airlaya.



*Bucket wheel excavator extracting coal at Bukit Asam*

Total coal reserves of the PTBA are at present about 5 billion tons. Currently, mine activity operates in five coalfields, Air Laya, Muara Tiga Besar Utara, Muara Tiga Besar Selatan, Bukit Kendi and Banko Barat. Air Laya is the biggest open pit mine where bucket wheel excavators and conveyor belt transportation systems are operated, while in the other mines more conventional shovel and truck methods are used.

The economic coal seam ranges from 4 to 15 m in thickness and is of sub-bituminous rank.

In some areas, however, such as in Bukit Asam, Bukit Tapuan, Bukit Kendi ('Bukit' = Hill) and Air Serelo, coal rank increased up to semi anthracitic due to local heating by igneous intrusions of Plio-Pleistocene age. Igneous intrusions are of andesitic composition and occur in two different 'types', either vertical prism-like structures such as Bukit Asam and Bukit Tapuan or "half ball" structures such as Bukit Munggu. The latter type can be classified as a sill because it intrudes horizontally, parallel to the sedimentary bedding.

After this first impression of Sumatra coal fields we went back to the campus of Bukit Asam. We were invited to an excellent dinner, which was followed by another enjoyable singing (Karaoke) session. Again, most of ICCP members were unfortunately not able to contribute vocally to the entertainment. Finally Paddy retrieved ICCPs honour.... !

Monday morning we left early for the major trip around the mining area. We were most impressed by the Bukit Asam Coal Mines. After lunch we departed to Palembang for the return flight to Jakarta. It was a very well organized and interesting field trip and we enjoyed it very much.

Hartelijk dank - Terima kasih, Eddy and colleagues!

## Summary of Appendixes

Appendix I	List of participants
Appendix II	Overview of oral and poster presentations at the International Symposium of Lower Rank Coal
Appendix III	Short introduction of new (Associate and Full) Members
Appendix IV	Treasurer's Summary Report
Appendix V	Proposal to Offer Discounted Fees to ICCP Members
Appendix VI	Auditors Reports 2003/2004 & 2004/2005

Appendix VII	Editor's Summary Report
Appendix VIII	Proposal of the Vice President in relation to the Revision of Statutes
Appendix IX	Minutes from the Commissions
Appendix X	Short minutes from Council meetings

20 October 2006

Petra David

General Secretary

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## Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP)

### APPENDIX I - LIST OF PARTICIPANTS

Antonis Bouzinos	Greece
Kimon Christanis	Greece
Alan Cook	Australia
Peter Crosdale	Australia
Petra David	The Netherlands
Deolinda Flores	Portugal
Ángeles Gómez Borrego	Spain
Ir. Herudiyanto	Indonesia (G)

Stavros Kalaitzidis	Greece
Walter Pickel	Australia
Dirk Prinz	Germany
Padmasiri Ranasinghe	Australia
Cristina Rodriguez	Portugal
Isabel Suárez Ruiz	Spain
Ivana Sýkorová	Czech Republic

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## Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP)

### APPENDIX II - OVERVIEW OF ORAL AND POSTER PRESENTATIONS AT THE INTERNATIONAL SYMPOSIUM OF LOWER RANK COAL

#### Day 1 - 7 September 2006

##### Session 1 - Keynote Papers

Head of Geological Agency, MEMR: *Indonesia's lower rank coal resources.*

Director General of Mineral and Geothermal, MEMR: *Coal Lower rank coal business opportunity in Indonesia.*

Head of Research and Research and Development: *Research and development of Indonesia lower rank coal Indonesia: present status.*

Alan Cook, President of ICCP: *The role of ICCP in coal science.*

#### Session 2 - Moderator: Chairul Nas

NEDO/Sunichi Yanai: *Latest development in clean coal technology.*

AFOC/Alejandro Oanes: *Coal market outlook in APEC region.*

Yong Wang Li (Synfuels Energy Clean China): *Clean coal technology in China.*

Lobo Balia (Expert Staff of Environmental and Regional Division, MEMR: *Future direction on lower rank coal utilization.*

Agus R. Hoetman (Agency of Technology Assessment and Application, Indonesia): *Lower rank coal and its contribution to the energy development in Indonesia.*



**Session 3 - Moderator: Rubianto Amir**

- Agus Pujobroto (Center for Geological Resources, Geological Agency Sumatra): *The geology of Banjarsari coalfield, South Sumatra.*
- Sukardjo (Center for Geological Resources, Geological Agency, Indonesia): *The geology of Wahau coalfield, East Kalimantan.*
- Ario Agus Suyudanto (PT Adaro Indonesia): *Development potential of the Wara deposit to meet Indonesia's future power requirements.*

**Session 4 - Moderator: Bukin Daulay**

- Tim Moore (Solid Energy NZ Ltd, Christchurch, New Zealand): *Coal seam gas development and CO<sub>2</sub> sequestration in low rank coals: progress in New Zealand.*
- Imam B Sosrowidjojo (R&D Center for Oil and Gas Technology, Indonesia): *Prospect and challenge of extracting CBM from and lower rank coal of South Sumatra Basin.*
- Siamet Suprpto (R&D Center for Mineral and Coal Technology Indonesia): *Low rank coal gasification using fluidized bed technology.*

**Day 2 - 8 September 2006**

**Session 1 - Moderator: Herudiyanto**

- Walter Pickel (Coal and Organic Petrology Pty. Ltd., Tarren Point, NSW): *New classification in huminite.*
- Ivana Sýkorová (Institute of Rock Structure and Mechanics AS CR Czech Republic): *Reflectance and chemical composition of thermally altered wood.*
- Binarko Santoso and Bukin Daulay (R&D Center for Mineral and Coal Technology, Indonesia): *Comparative petrography of Ombilin and Bayah coals related to their origin.*
- Alan Cook (Keiraville Consultants, NSW): *Coal petrology in the service of the Indonesian coal industry.*

**Session 2 - Moderator: Eddy Subroto**

- Djamhur Sule (Bandung Institute of Technology): *A concept of simple method with small amount of investment required in improving quality of low rank coal.*
- Agus Widisantoso (PT Surveyor Indonesia): *Geo scanner.*
- Soedjoko Tirtosoeotjo (Indonesia Coal Mining Association): *Low rank coal and its contribution to the coal development in Indonesia.*

**Poster Presentations:**

- S.Kalaitzidis, S. Papazisimou, K.Christanis, A. Bouzinos, G.Cressey, E.V.Zones: *Petrographic and mineralogical features of Greek low-rank coal.*
- Basuki Rahmad: *Characteristic sulphur and its petrographic middle seam Sangata field, East Kalimantan.*
- Karashima: *The joint study on evaluation of coal resources and reserves in Indonesia.*
- Rita Susilawati, Colin R. Ward: *The mineralogy of Bukit Asam coal.*
- Sufriadin: *Petrographic properties and its effect to spontaneous combustion - Propensity on coal from Sambarata coal field Berau Sub Basin East Kalimantan.*
- E.Sbaraini, A.G.Borrego, D.Alvarez, G.Simao, W. Kalkreuth: *Preliminary results on combustion properties of low rank Brazilian coals based on laboratory scale drop tube furnace experiments and reactivity determinations.*
- Hendra Arnidjaja: *Liptinite induced suppression of huminite reflectance in tertiary low rank coal from Muara Enim formation, South Sumatra Basin, Indonesia.*
- Osvold, I. Sýkorová: *Merit Pila coal basin, Malaysia-geology and coal petrology.*
- T. Llorens I. Suárez-Ruiz and J. R. Colmenero: *The Cea Group in the Guardo-Valderrueda Basin (Cantabrian Mountains, North Spain). Petrography of their Pennsylvanian coals.*
- M. Díaz-Somoano, I. Suárez-Ruiz, J.I.G. Alonso, J. Ruiz Encinar, M.A. López-Antón and M.R. Martínez-Tarazona: *Lead Isotope Ratios in Coals.*
- I. Suárez-Ruiz, D. González and A.B. García: *Evolution of the optical properties of anthracites during graphitization*



*The opening ceremony of the Lower Rank Coals Symposium involved music (played on drums, gongs, bells) along with traditional dance*

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## APPENDIX III - SHORT INTRODUCTION OF NEW (ASSOCIATE AND FULL) MEMBERS

### New Member



**Alexander Zdravkov**  
**Bulgaria**

From 1996 to 2001, Alexander studied at the University of Mining and Geology "St. Ivan Rilski" in Sofia. He did a Masters degree specialising in Geology and Ore and Minerals Exploration of metals, non-metals and coal raw materials. The topic of his diploma project was "Comparative mineralogical and geochemical characteristic of the Kremikovtzi and Ostra Mogila (Elin Pelin District) Deposits". From 2002 to present, he is doing a Ph.D. study in the field of Coal Geology and Organic Petrology at the University of Mining and Geology "St. Ivan Rilski" in Sofia. In 2003 - 2003 he undertook organic petrology research at Montanuniversität, Leoben, Austria (6 months Erasmus-Socrates scholarship). In 2003 - 2004 he studied at the Educational centre "Cosmos", Sofia for 3 months and obtained an English Language Course (Certificate). From 2004 to present he is an Assistant Professor, Faculty of Geology, University of Mining and Geology "St. Ivan Rilski", Sofia, Bulgaria.

Alexander's application was supported by Kimon Christanis and Antonis Bouzinou

### Advancement to Full Member



**Joan Esterle**  
**Australia**

Joan's academic history includes a B.A. in Geology (1979, Duke University, Durham, North Carolina, USA), an M.Sc. in Geology (1984, University of Kentucky, Lexington, Ky., USA) and a Ph.D. in Geology (1990, University of Kentucky, Lexington, Ky., USA). Her dissertations were "Trends in Petrographic and Chemical characteristics of Tropical Domed Peats in Indonesia and Malaysia as Analogues for Coal Formation" (Ph.D.) and "The Upper Hance Coal Seam in Southeastern Kentucky - a Model for Petrographic and Chemical Variation in Coal Seams" (M.Sc.). Joan's current research interests include geological controls on coal seam gas reservoir behaviour; the interplay between clastic sedimentary fill and tectonism at regional to minescale and; prediction of ground behaviour in coal measure sequences. She has attended ICCP meetings in Copenhagen (2001) and Wollongong (1990).

Her application was supported by Walter Pickel

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## APPENDIX IV - TREASURER'S SUMMARY REPORT 2005 - 2006

### 1. Results for the Year

The annual accounts for the Financial Year from 1<sup>st</sup> July 2005 to 30<sup>th</sup> June 2006 continue to demonstrate the healthy financial base of ICCP. Income exceeded expenditure by a record £2,869, and this net cash inflow more than offset last year's financial loss of £870. Although, for reasons given below, present data cannot be taken as being

representative for forthcoming years, the underlying trend permits an optimistic view of the prospects for the future. ICCP has now very substantial cash reserves of £34,019 (~49,328 euros or ~61,915 US dollars).

Financial data in the summary tables are given in British pounds sterling (1 pound ~1.45 euros ~1.82 US dollars as at 30 June 2006).

	Financial Year 2005-2006	Financial Year 2004-2005
<b>Opening Balance</b>	<b>£31,149.77</b>	<b>£32,019.32</b>
Add: Receipts	£6,649.04	£3,084.02
Less: Expenditure	£3,779.73	£3,953.57
Surplus / Deficit	<b>+ £2,869.31</b>	<b>- £869.55</b>
<b>Closing Balance</b>	<b>£34,019.08</b>	<b>£31,149.77</b>

### Accounts Summary

## 2. Income and Expenditure

Our main income source remains from membership subscriptions and the Accreditation Programme which continued to show a strong performance, with 85 analysts participating. The Accreditation Programme (now called "SCAP" for "Single Coal Accreditation Programme") has over recent years become fully self-financing, with the understanding that it is managed on a voluntary basis. Funds generated by the Programme and available for reinvestment have now reached £7,069, £6,465 respectively when expenditure for the new Coal Blend Accreditation Programme is taken into account.

Minor revenue was generated by bank interest, whereas proceeds from Handbook sales (CD-ROM and prints of supplements) remained, as in previous years insignificant. No payments earmarked for the 'Friendship Scheme' have been received

GBP	Receipt Details
£2,682.69	Membership dues, net (gross £2,787.39, £104.70 charges deducted)
£512.19	Capital credit interest, net (gross £640.15; tax deducted £127.96)
£3,319.52	Accreditation fees 2006 Exercise, net (gross £3,452.28, £132.76 charges deducted)
£53.66	Sale of Handbook supplements (net = gross)
£60.47	Donations
£20.51	Miscellaneous
<b>£6,649.04</b>	<b>Total Receipts</b>

### Summary of Receipts

Expenditure was of the same order as in 2004/2005, with costs for the production and

distribution of the newsletter being the largest individual cost item, equivalent to more than 60% of average subscription income.

GBP	Expenditure Details
£1,503.22	Printing and postage of ICCP News #35, #36, #37
£319.71	Young Scientist Award
£61.49	Engraving of Thiessen Award medal
£215.49	ICCP Archives: Storage materials
£375.14	Postal ballot (General Secretary)
£91.61	Gifts 2005 Meeting (General Secretary)
£120.50	Standing charges Lloyds TSB Cardnet
£39.34	Treasurer's expenses (£14.95 postage invoices & receipts, £24.39 postage audit documents)
£428.25	Sample acquisition for Coal Blend Accreditation Programme
£339.86	Running cost of Accreditation Programme ("SCAP") in Australia, including transfer of materials to the new Convenor in Greece
£239.38	Accreditation Programme ("SCAP") 2006 exercise: Packing materials and sample mailout
£45.74	Miscellaneous
<b>£3,779.73</b>	<b>Total Expenditure</b>

### Summary of Expenditure

## 3. Projection for 2006-2007

The breakdown of income and expenditure (following table) demonstrates clearly that data for one year cannot necessarily be used for the prediction of future trends, i.e. projections of annual cash flow must be based on two- or three year cycles rather than on a year-to-year basis.

The positive results for the Financial Year 2005/2006 are for the greatest part due to proceeds from the Accreditation Programme, with income from membership subscriptions also having been exceptionally high (£282 above the 5-year average of £2,400, whereas in the previous period dues income was £757 below average - there being no fully plausible explanation for these fluctuations because membership numbers remained fairly constant). The Accreditation Programme follows a

two-year cycle of years with high and low revenue, and we must therefore assume that in future the ICCP balance may alternate between periods of surplus and deficit. In addition, two new accreditation programmes for Coal Blend analysis and Dispersed Organic Matter (DOM) vitrinite reflectance are about to be inaugurated. These programmes are expected to require larger upfront investments for sample acquisition and preparation, and returns may initially not match expenditure, also depending on the number of participants.

It is therefore likely that there may be overall deficits for one or two years to come. However in

view of ICCP's robust financial base this would in my judgement not pose any major problem.

Chester, England 15th August 2006

*Rudolf M. Schwab*

Rudolf M. Schwab  
Honorary Treasurer

	Financial Year 2005-2006	Financial Year 2004-2005	Financial Year 2003-2004	Financial Year 2002-2003	Financial Year 2001-2002	Financial Year 2000-2001
<b>GENERAL</b>						
Membership dues <b>(net)</b>	£2,682.69	£1,643.14	£2,638.59	£2,435.89	£2,595.66	£2,240.20
Credit interest <b>(net)</b>	£512.19	£555.21	£373.76	£437.51	£407.78	£533.34
Donations & Miscellaneous	£80.98	£148.27	£65.20	£286.57	£98.72	£11.38
<b>Receipts</b>	<b>£3,275.86</b>	<b>£2,346.62</b>	<b>£3,077.55</b>	<b>£3,159.97</b>	<b>£3,102.16</b>	<b>£2,748.92</b>
ICCP News & Directory	£1,503.22	£1,450.84	£1,545.05	£624.93	£588.81	£509.89
Commissions I, II, III	£0.00	£176.21	£780.48	£0.00	£101.38	£697.49
Medals Awards	£381.20	£1,213.22	£143.93	£1,105.66	£0.00	£0.00
Other Expenditure	£887.82	£877.17	£461.29	£472.03	£469.89	£526.29
<b>Expenditure</b>	<b>£2,772.24</b>	<b>£3,719.44</b>	<b>£2,930.75</b>	<b>£2,202.62</b>	<b>£1,058.70</b>	<b>£1,733.67</b>
<b>Surplus / Deficit</b>	<b>+£503.62</b>	<b>-£1,372.82</b>	<b>+£146.80</b>	<b>+£957.35</b>	<b>+£2,043.46</b>	<b>+£1,115.25</b>
<b>HANDBOOK</b>						
Receipts	£53.66	£123.10	£148.58	£180.36	£119.34	£123.01
Expenditure	£0.00	£0.00	£9.06	£35.94	£6.57	£7.11
<b>Surplus / Deficit</b>	<b>+£53.66</b>	<b>+£123.10</b>	<b>+£139.52</b>	<b>+£144.42</b>	<b>+£112.77</b>	<b>+£117.90</b>
<b>ACCREDITATION PROGRAMMES*</b>						
Receipts	£3,319.52	£614.30	£2,169.65	£2,923.54	£671.17	£0.00
Expenditure*	£1,007.49	£234.13	£681.20	£736.69	£397.55	£573.01
<b>Surplus / Deficit</b>	<b>+£2,312.03</b>	<b>+£380.17</b>	<b>+£1,488.55</b>	<b>+£2,186.85</b>	<b>+£273.62</b>	<b>-£573.01</b>
<b>ICCP TOTAL</b>						
Receipts	£6,649.04	£3,084.02	£5,395.78	£6,263.87	£3,892.67	£2,871.93
Expenditure	£3,779.73	£3,953.57	£3,621.01	£2,975.25	£1,462.82	£1,740.78
<b>Surplus / Deficit</b>	<b>+£2,869.31</b>	<b>-£869.55</b>	<b>+£1,774.77</b>	<b>+£3,288.62</b>	<b>+£2,429.85</b>	<b>+£1,131.15</b>
<b>CAPITAL ULTIMO</b>	<b>£34,019.08</b>	<b>£31,149.77</b>	<b>£32,019.32</b>	<b>£30,244.55</b>	<b>£26,955.93</b>	<b>£24,526.08</b>

\* Includes £176.21 expenditure for the Coal Blend AP in 2004/2005 and £ £428.25 in 2005/2006

## Breakdown of Income and Expenditure 2000 to 2006

*Ed. Note - this summary report contains some differences to the report considered by Council and the General Assembly*



Minutes of the 58<sup>th</sup> Annual Meeting of the  
International Committee for Coal and Organic Petrology (ICCP)

**APPENDIX V - PROPOSAL TO OFFER DISCOUNTED FEES TO ICCP MEMBERS**

**Introduction**

Over the past few years, the strong cash position of ICCP has lead to various proposals to reduce fees to ICCP Members. Past proposals have been rejected by Council. Detailed reasons are not particularly known to the author due to his absence at some of these meetings. However it is understood that principal causes leading to fee reduction proposals not being fully supported include:

1. The difficulty of increasing fees in future years as the need arises, due to the probability that increasing fees may lead to a reduction in membership;
2. Lack of adequate projections of the financial implications of fee reductions. This has been particularly important over the last couple of years where deficit numbers have been recorded for ICCP finances. Past suggestions have noted that we could simply return the fees to their old levels if reductions proved uneconomic would lead to the problems associated with point 1;
3. Lack of detailed rationale for fee reductions other than that we have a strong cash position.

This document addresses points 2 and 3. Increasing fees will always have an associated danger of reducing the membership base.

Recent technological advances have meant that real cost savings are now being or could be enjoyed by ICCP. It would seem desirable to pass these savings on to members.

Three proposals are given: 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. Each of these 3 proposals are discussed below followed by a table showing the proposed fee structure (Table 3).

**Early bird Discount**

Currently a large number of members are late in paying their membership subscriptions, which are due by January 1. This has lead to a number of problems in relation to who is and who is not a member of ICCP. In addition, it creates a lot time

wasting by various officers (especially the Treasurer, General Secretary and Editor) in chasing up late fee payers and cross-referencing membership details for mail-outs and voting etc.

A number of methods can be used to encourage members to pay their dues in a timely manner. Two of the most common are: 1) to apply a late penalty and; 2) offer a discount for prompt payment.

Due to our current strong cash position, it is suggested that ICCP offer a discount of 10% to members who pay their fees no later than December 31 i.e. faxed, postmarked or in any other way received by the Treasurer by December 31.

Members who try to apply the discount when they have sent in a late payment should have the difference added to their next invoice. There is no suggestion of applying a penalty for late payment. However, there may be reasonable excuses where the early bird discount may still apply to payments received after December 31. Such excuses would include non-receipt of the invoice or illness. The Treasurer should report the type of excuse and the number of persons using it in the annual report but individuals should not be identified unless specifically requested by Council.

The number of 10% has been arrived at by using a number that must be sufficiently large to make it a meaningful and attractive discount without being financially onerous on ICCP (especially important given the recent cash deficits reported).

The cost - benefit analysis (Table 2) shows that a 10% level is likely to be sustainable. However, it should be noted that the early bird discount is cross-subsidised by savings attributed to internet downloads of the newsletter. The early bird discount is not sustainable unless this cross subsidy occurs.

**Newsletter by Internet Download Only**

The most significant recurrent cost to ICCP is the production and distribution of the ICCP News. Currently approximately 9% of members have elected to download the newsletter from the internet and receive no hard copy of the Newsletter, leading to a saving of 100% of monetary costs of the ICCP News to those members.

It is now common practice for international scientific journals to offer a cheaper version of the

journal for on-line access only. This recognises the significant cost savings to be made by not printing and posting hard copies.

In the case of ICCP News, no charges are incurred in the actual production of the newsletter i.e. no secretarial or other support is used by the editor to produce a final, print-ready copy. The only costs incurred for ICCP News are for printing, posting and miscellaneous items (e.g. stationery). Therefore internet download of the newsletter saves 100% of monetary costs of ICCP News.

Detailed analysis of costs incurred in production of ICCP News over the last 4 years are given in Table 1.

**Table 1.** Cost analysis of ICCP News<sup>+</sup> in relation to Membership Fees (1 AUD = 0.4 GBP; whole numbers only)

Year	2002	2003	2004	2005
Total Annual Cost of ICCP News AUD [GBP]	2486 [994]	2585 [1034]	3090 [1236]	3505 [1402]
Total Annual Cost per mail-out member* AUD [GBP]	14 [6]	15 [6]	18 [7]	22 [9]
Cost ICCP News as a % of 20GBP Annual Membership Fee per mail-out member*	28	30	36	45

<sup>+</sup> Note that these numbers are largely but not exclusively for ICCP News; also included are costs incurred when general mail-outs have occurred such as for distribution of reprints or directories

\*A mail-out member is a member who receives a hard copy of the newsletter

It is clear that both costs have been rising and along with the percentage of the dues attributed to the ICCP News. In 2005, around 45% of the membership dues went on printing and posting ICCP News. It is also clear that considerable cost savings are to be made if members only download the newsletter via the internet and do not receive a hard copy.

It is suggested that a discount of 20% be applied to the membership fee if the newsletter is downloaded from the internet only and no hard copy is received (Table 3). The level of 20% is suggested noting that:

- other costs may be incurred during the year such as general mail-outs of directories and reprints
- substantial savings will be passed on to members without negative effects on the ICCP cash position (Table 2)
- other discounts proposed will also reduce the

fees to members, up to a total of 25%

- the 3 year discount has not been taken into account in this analysis
- members who have paid in advance should be offered a credit on their next invoice if they take up the internet download only option (Table 4)
- some members already pay reduced (e.g. retired) or no fees at all (e.g. honorary members)
- savings made from the internet download are used to cross-subsidise the early bird discount

The cost - benefit analysis (Table 2) shows that a 20% level is likely to be sustainable and could be offered as a stand-alone discount.

## Combined Early bird and Internet Discount

A combined level of 25% is suggested and not 10+20 = 30%. Applying first the 10% early bird followed by the 20% internet discount (or vice versa) would lead to a total discount of 28%. The suggested 25% is more conservative to see how the discount system would operate. Discounts can always be increased in future years if desired but once established, reducing or eliminating the discounts will always be met with some discontent.

Again, it is important to note that the early bird discount is cross-subsidised from savings made by internet newsletter downloading. Due to this cross-subsidy, it would also seem unwise to simply add the two discounts together or to apply one followed by the other.

The cost - benefit analysis (Table 2) show that a 25% level is likely to be sustainable.

## Cost - Benefit Analysis

A detailed cost - benefit analysis is presented in Table 2. Historical data is used as it shows how the proposed discounts would have affected the ICCP's cash position if the discounts had been in place at the time. Historical data also avoids problems associated with predicting future income.

Income numbers are actuals taken from the treasurer's reports. Note that costs of ICCP News are on a calendar year while the income is on a financial year. However, due to the fact that both the newsletter costs and income are annualised and are given for approximately the same times, it is not relevant to the analysis that one is a calendar year and the other is a financial year.

The membership structure as of August 2006 is



**Table 4.** Credits for 3 year payers

Invoice Year	2006		2007		2008	
Covering years	2007 - 2009		2008 - 2010		2009 - 2011	
Credit to be applied (newsletter discount only)	GPB	USD	GPB	USD	GPB	USD
	0	0	3.33	5.33	6.67	10.67

## Conclusions

Recent technological advances have meant ICCP can expect real savings in some areas. These savings can be passed on to members by the way of offering discounts to membership dues rather than

reducing the membership fee. The proposed 'early bird' discount should not be offered in its own right as it is heavily cross-subsidised by the proposed 'internet download' discount. However, the 'internet download discount' could be offered by itself. It is considered that both should be offered as a single package. Members unable to take advantage of the 'internet download discount' can then still receive some benefit from a reduced cost structure.

Modelling of the discount fee structure indicates that it is likely to be slightly cash positive.

Peter Crosdale  
ICCP Editor, August 9, 2006

## Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP)

### APPENDIX VI - AUDITORS REPORTS 2003/2004 & 2004/2005

August 22, 2006

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, 2003 to June 30, 2004. 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 accounts which are maintained for the ICCP's Accreditation program and the so-called Handbook account.

Original records and supporting materials were provided by the Honorary Treasurer of the accounts managed by him. In the case of the POSTBANK Giro account, bank statements and some records were provided as photocopies; some withdrawal receipts were not obtained. In the case of the Accreditation Program, original bank statements and 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, 2004, and its cash flows for the period examined then ended in conformity with reasonable accounting principles.

Previous Treasurer's Reports have included in account balances the amount of donations earmarked for the ICCP Friendship Scheme. The report for 2003-2004 did not specify this amount.

It should be noted that the account which previously had been called the "Handbook Account" has in recent Treasurer's Reports been referred to as the "POSTBANK Giro Account." It is maintained in The Netherlands by the General



Secretary. During 2003-2004 no Handbook sales were transacted in The Netherlands but the account has been used for other ICCP transactions.

(signed) Alan Davis  
ICCP Honorary Auditor

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August 22, 2006  
Honorary Auditor's Report

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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 accounts which are maintained for the ICCP's Accreditation program and the so-called Handbook account.

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 and some records were provided as photocopies; some withdrawal receipts were not obtained. In the case of the Accreditation Program, original bank statements and records were not provided, but the Honorary Treasurer provided a summary of the bank account transactions and details of fund transfers and expenditures.

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(signed) Alan Davis  
ICCP Honorary Auditor

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**Minutes of the 58<sup>th</sup> Annual Meeting of the  
International Committee for Coal and Organic Petrology (ICCP)**

**APPENDIX VII - EDITOR'S SUMMARY REPORT 2005 - 2006 FINANCIAL YEAR**

**Activities for 2005 - 2006 Financial  
Year**

Previous reports of the editor have been for activity between the meetings. However, this report therefore uses the 2005 - 2006 financial year as a reporting basis for alignment with the financial statements.

ICCP News remained the main outlet for ICCP activities in 2005 - 2006. The mainstays of ICCP News continue to be minutes of the annual meeting, advertising the next annual meeting and detailed reports from the Working Groups. Contributions from members were adequate during the year. However, members still do not take full advantage of the opportunities offered by the newsletter as an open forum for ideas and discussion and to further

generate debate.

Three issues of ICCP News were made during 2005 - 2006 financial year, viz No. 35 July 2005, No. 36 November 2005 and No. 37 March 2006. ICCP News 35 included distribution of the new huminite sheets as either an insert or a special mail-out for members who do not normally receive a hard copy of the newsletter. Numbers of newsletters posted and their distribution by region are indicated on Table 1. At present, 19 members have opted not to receive hard copies of the ICCP News and instead downloaded the pdf version from the web site.

**Table 1** *Distribution of ICCP News by region*

	#35	#36	#37
Region	No.	No.	No.
Africa	6	6	7
Asia	21	21	21
Australasia	33	32	32
Europe	84	85	87
North America	28	27	29
South America	6	6	6
Total	178	177	183

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.

	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

No charge was made for the advertisement placed in ICCP News 36 (p. 61) in accordance with ICCP Council Resolutions made in Utrecht. In addition, a number of extended conference promotions had been placed at no charge.

Expenses incurred in production and distribution of ICCP News during 2005 - 2006 are detailed in Table 2. Postage costs associated with ICCP News 35 are distorted due to the distribution of the new Huminite sheets as an insert. In this case, members who normally only receive the newsletter by internet download were posted a copy the Huminite sheets. While this mailout to all members is more complex due to some members not normally

receiving a hard copy of the Newsletter, it is a most cost-efficient method. The editor is happy to continue this practice as appropriate and when requested.

**Table 2** *ICCP News Costs in AUD (to approximate USD, multiply by 0.75 or GBP by 0.40)*

Year	2005	2005	2006
Newsletter No.	35	36	37
No. Pages	20	64	44
No. Copies printed	165	165	170
Printing	431.20	842.60	618.20
Postage - international	418.13 <sup>a</sup>	530.61	391.06
Postage - domestic	25.00	36.25	29.00
Stationery - envelopes	58.53	0.00	0.00
Stationery - labels	29.98	0.00	0.00
Total	962.84	1409.46	1038.26

<sup>a</sup> postage costs for No 35 include the Huminite reprints as inserts in the Newsletter as well as a separate mailout to members who normally download the Newsletter

As foreshadowed in the 2004 - 2005 Editor's Report, steeply rising costs were carefully monitored. The printing costs of around 0.13 AUD per page for ICCP News 35 were reduced to about 0.08 AUD per page for ICCP News 36 and 37 by negotiating a new price with the printers. The per copy costs were 5.84, 8.54 and 6.11 AUD for issues 35, 36 and 37 respectively, which was at the mid to higher end of the historical per copy cost.

The Editor's report for 2004 - 2005 provided estimates for the 2005 - 2006 year. A revised estimate was approved by Council in October 2005 and further revisions approved in April 2006 due to the large numbers of pages in earlier editions. The October 2005 estimates are reconciled with the actuals in Table 3.

Actual expenditure was \$674 AUD higher than anticipated due to the larger number of pages printed. Additional expenditure for 2005 - 2006 of \$900 AUD was approved by Council in April 2006 after a request from the editor when it became apparent that initial budget estimates were too low.

A directory was last produced in August 2004 in conjunction with Dr David (the General Secretary) and Dr Schwab (the Treasurer). A new directory was approved by Council to be completed in the 2006 calendar year and to be produced by the Editor. In the 2005 - 2006 financial year, the editor, treasurer and general secretary worked on a variety of drafts. A final directory has been completed and

is being printed at the time of writing. Details will appear in the 2006 - 2007 report of the Editor.

**Table 3. Budgeted (B) versus Actuals (A) for the 2005 - 2006 financial year**

Item	Number of pages		Number of copies printed		Total cost per page (AUD)		Total Cost AUD	
	B	A	B	A	B	A	B	A
ICCP News 35 <sup>a</sup>	32	20	180	165	0.26	0.29	864	894
ICCP News 36	44	64	165	165	0.14	0.13	1040	1409
ICCP News 37	32	44	165	170	0.14	0.14	802	1038
Miscellaneous							50	89
<b>Total</b>	<b>108</b>	<b>128</b>					<b>2756</b>	<b>3430</b>

<sup>a</sup> includes posting reprints of the new Huminite sheets

A CD ROM of the 1963 2<sup>nd</sup> 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 at a special introductory price of \$15US, which was discounted over the normal price of \$25US. The editor's records indicate that to date, eleven copies has been purchased but these records have yet to be reconciled with those of the General Secretary, who manages the handbook.

### Proposals for 2006 - 2007 F.Y.

Three editions of ICCP News produced in 2005 - 2006 and it is proposed to again produce 3 ICCP News editions for 2006 - 2007, #38 August 2006, #39 November 2006 and #40 March 2006.

A new ICCP Directory is planned for 2006 in collaboration with the General Secretary and Treasurer. At the time of writing, this directory has been completed and is being printed. Details will be given in the next annual report.

Budget estimates for production of ICCP News in 2006 - 2007 are given below. Estimates are based on an average total costs per page, which includes postage. An approximate exchange rate of 1 AUD = 0.40 GBP is given for convenience only. Actual exchange rates will vary during the course of the year. Estimated cost of the 2006 Directory is included here based on previous estimates.

*Costs to date and projected costs of ICCP News in the 2006 - 2007 financial year*

Item	Number of pages	Number of copies printed	Cost per page (AUD)	AUD [GBP at 1AUD = 0.40GBP]
ICCP News 38	20	170	0.16	562 [225]
ICCP News 39	60	170	0.13	1385 [554]
ICCP News 40	44	170	0.13	1058 [423]
Miscellaneous <sup>a</sup>				50 [20]
2006 membership directory				953 [381]
<b>Total Projected</b>				<b>4008 [1603]</b>

Notes

<sup>a</sup> Miscellaneous items include CD ROMs, additional postage and stationery during the year and other small items.

Approval to extend ICCP Member discounts on publications to members of other organisations was obtained in 2002 (resolutions ICCPC02/9/2/6 and ICCPC 02/9/2/7). To date, no members of other organisations have requested to receive materials at the ICCP member's rate. This possibility will be more widely advertised in 2006 - 2007 by announcements in appropriate publications e.g. TSOP Newsletter.

Peter Crosdale  
ICCP Editor

### Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP)

### APPENDIX VIII - PROPOSAL OF THE VICE PRESIDENT IN RELATION TO THE REVISION OF STATUTES

Due to the lack of responses / contributions of members to the issue raised often in General Assemblies and Newsletters, and also due to the fact that we are "hammering in cold iron" for years,

I propose the following:

1. As soon as General Assembly decides on in which country ICCP will be registered, Council immediately starts drafting a new

statutes proposal, taking into account the comments of Alan, Peter, Lopo, Walter and Kimon, and the law specificities of the chosen country;

2. This proposal shall be draft in a 2 years time maximum;
3. The proposal shall be emailed to the members for comments. Replies shall be returned up to 6 months thereafter, preferably 6 months before the next meeting, and;

4. Final version shall go for voting during the next General Assembly.

I submit this proposal to be discussed at the Bandung Council Meeting.

I would like a feed-back on this as soon as the council reaches a consensus.

regards

Lopo

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### Minutes of the 58<sup>th</sup> Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP)

## APPENDIX IX - MINUTES FROM THE COMMISSIONS

### MINUTES OF COMMISSION I General Coal and Organic Petrology

58<sup>th</sup> ICCP Meeting  
Bandung, 03 and 06/09/2006

Chair: Walter Pickel,  
Secretary: Deolinda Flores

#### Opening remarks

The Commission I meeting was held on Wednesday afternoon and Saturday morning.

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
- Editorial Groups: Handbook Editorial Group and Microlithotype and Liptinite publications
- Temporal variations of coals
- Peat Petrography WG
- Degradinite WG
- ICCP website
- Microscope session

The minutes of the Patras meeting were accepted as printed in the ICCP Newsletter #36 under the condition that the following comments of the President, Alan Cook, were added.

Comment no. 1: The President noted that in the Accreditation Report by Aivars Depers he would have preferred the line "1 resigned after completing/passing" to be "1 resigned after

completing and passing".

Comment no. 2: The President noted that the implication given in the Accreditation instructions that counting more than 500 points was in breach with the procedure, was not acceptable. The President noted that in contrast to ISO requirements, which he quoted as requesting from the analyst to count exactly 500 counts, the Accreditation Program must insist on analysts finishing the traverse. The Chair pointed out that there was apparently some misunderstanding about ISO Standard requirements, as ISO 7404-3 requires the analyst to count 'at least 500 points' thus the analyses in the Accreditation Program can easily be in compliance with the ISO Standard.

It was agreed that future analysts of the Accreditation Program be advised that 500 points or any number above would be accepted. The same applies to the number of reflectance readings, which must be at least 100 but any higher number be acceptable. The convenor of the Accreditation Program was asked to emphasize this point in the instructions for the next exercise.

Comment no. 3: The President pointed out that the short note on the ICCP Reflectance Standards was incomplete. Not only can analysts/laboratories send their standards to Dave Pearson or Walter Pickel, they can also request one of the two ICCP Standards to be sent to them. This is so under the condition that the standard be sent out after a security of 1000 US \$ be deposited and postage cost be covered by the requesting analyst/laboratory.

The opening remarks covered a short progress in the revision of the ISO 7404 standards and summarized the activities of the groups that were not presenting reports at this year's meeting.

### **SCAP - Single Coal Accreditation Program - Kimon Christanis**

Kimon started his activities as Convenor of this Program at Patras meeting. After this meeting, the transfer from the last Convenor of all data, samples and files had begun. Kimon reported that all the processes were running very smoothly and the 2006 AP exercise was on schedule.

Petrographers in the scheme were contacted to participate in the 2006 AP Exercise and new participant joined the AP.

Concerning 2006 exercise, Kimon informed that:

- 84 participants from 17 countries were registered;
- 20 new petrographers are involved;
- Convenor expected to receive the data of all participants after the meeting;
- final evaluation will be sent on time.

Kimon expressed his gratitude to all Council members that supported his hard work specially Alan, Petra, Rudi as well as Paddy. A special thank you was also addressed to the AP Subcommittee namely Walter Pickel and Angeles Borrego for all the support given during the moving of all the process. Finally Kimon presented his thanks to Aivars Depers for his kind support during the last year. The assistance of all the members involved permitted to prepare the 2006 exercise as foreseen without any delay or inconvenience for the participants.

After the data analysis the convenor must send all the results to the AP subcommittee for evaluation. In turn this will inform the ICCP President, who will then be able to sign the certificates.

Concerning the automated system accreditation Kimon informed that he has two machines to be accredited and the laboratories have already paid to participate in the 2006 exercise. It was pointed out that this year the process is running and the ICCP should give the accreditation however in the future it shall be necessary to decide on how to deal with automated systems in the accreditation program.

Walter asked about the blank certificates and Kimon informed that he has enough for this

exercise however the last packet with samples and blank certificates were posted by the last convenor but did not yet arrive in Greece.

Concerning the certificates it was suggested that, in the future, it should mention the accreditation program (as the ICCP has now three running programs).

It was also noted that it could be convenient to have certificates in the same format for the now 3 programs and each lab had the same certificate/accreditation number in each program. Kimon pointed out that this be too late for the 2006 exercise.

All members approved of the following resolutions:

*Resolution n° 1 - In the future, the certificate/accreditation number should be the same format for all 3 programs, and should include the name of the A. Program and the date of expiry.*

*Resolution n° 2 - Certificates will be personalized and each analyst will have one certificate/accreditation number that can not be changed. The AP Subcommittee will coordinate the list of analysts and the identification.*

Alan Cook asked about the sample code of the samples in the SCAP Program and if the participants of the same lab will have or not the same set of samples. Kimon informed that he had changed the code numbers of the samples that were sent to the SCAP participants. Concerning the latter question Kimon noted that he has sent different samples for the different participants of the same lab. However there are labs with so many people applying for accreditation that it is impossible to send different samples for all participants.

Concerning the AP Subcommittee, Council suggested that it will be convenient to have a member outside the Council. Kees Kommeren will be invited to join the AP Subcommittee. As far as Commission 1 knows, Kees has in the meantime accepted the invitation and we would like to welcome him.

Kimon asked all ICCP members to send coals to be included in the SCAP bank coals to be used in the next exercises.

Petra congratulated Kimon for all his work and effort spent during this year to reorganize the SCAP as well as the preparation of the 2006 exercise.



## **Standardization Working Group - Harold Read**

Walter Pickel presented a report from the Convenor Harold Read concerning the last Huminite Round Robin as well as the progress on the revision of the ISO 7404 standards:

*"No exercises have been conducted since the round-robin exercise on 2 Greek lignites reported at the last ICCP meeting.*

*In general, the conclusion of that exercise was similar to that of previous round-robins on higher rank coals; good agreement for maceral groups and vitrinite reflectance but poor agreement for macerals and subgroups.*

*The clear indication is that work should concentrate on improving the definitions for major macerals, eg fusinite/semifusinite; collotelinite/collodetrinite, etc.*

*It may be preferable to start with maceral subgroups, as this may be easier than for macerals. ISO work on revision of ISO7404 has progressed slowly but final committee drafts for parts 2, 3 & 5 have been sent to ISO TC27 secretary for preparation of drafts to be circulated to the various participating National Standards bodies for comment and voting.*

*It is unclear if microlithotypes need to be looked at - a suggestion at a meeting in Krakow that there was no interest and the standard should be abandoned.*

*If anyone still uses microlithotypes and is interested in revising the current standard, their effort will be appreciated.*

*It is anticipated that the revised standards may be published in one, but more likely in two years. Previous revisions have been published at about 10 year intervals. The current revision started 1996. The revision has succeeded in its objective to cover coals of all ranks, but has failed to expand coverage to include maceral subgroups and macerals.*

*This is a disappointment to me, but as noted above regarding round-robin results, much more work is required from ICCP to improve its definitions.*

*ICCP has played a significant role in developing the ISO petrographic standards (also the current coal classification standard), in fact all working group members are members of ICCP.*

*The increasing significance of coal petrographic*

*analyses to the coal industry makes it imperative that ICCP attends to any deficiencies in petrographic techniques, maceral descriptions, classification and terminology.*

*It is equally important that unrealistic claims are not made regarding accuracy and precision.*

*In summary: there is a clear need to address a number of problems with macerals.*

*If the same interest can be shown in standardization by practicing petrographers as that shown by the participation in the maceral group/vitrinite reflectance accreditation program, then I am optimistic that progress can be made.*

*The need is for interested petrographers to volunteer their participation -*

*Nominate perceived problems, possible solutions and participate in the inevitable round-robin exercises plus discussion and evaluation of results.*

*I can coordinate this work (if there is any) but I am not prepared to chase participants or run exercises where there is little interest.*

*Harold Read  
August 2006"*

It was decided to run another exercise using one new sample and ask participants to count macerals, maceral sub-groups and -groups, to take photos of typical and special untypical aspects and ask participants to classify their own experience with lignite analysis. The exercise will also include very clear instructions about the analysis requested. The sample that will be used in this exercise will have a very low mineral content.

Walter Pickel invited Ivana Sýkorová to join him in the preparation of the next round robin exercise that will be prepared and sent to the participants as soon as possible. Aivars Depers volunteered to join and help with the WG as well. The convenors are hopeful though that the number of participants will exceed the number of convenors.

Com I Chair pointed out the necessity and importance to organize at least one exercise per year within this WG.

Com I encourages members to join this WG especially in this year's round those who have experience on lignite maceral analysis. Interested members, please contact one of the convenors.

## Editorial Groups

Walter Pickel presented an overview of the working group status, the ICCP projects for publication and the problems concerning them as well as further plans.

Microlithotypes - It is necessary to have a set of photos to include in the draft text.

Liptinite - Walter Pickel informed that liptinite sheets are ready to be submitted to an International Journal. This version however does not include alginite, as the alginite sheets were prepared by Alan Cook in Commission 2. Alan Cook and Walter Pickel will meet later this year to combine the two documents.

Methods on Fluorescence Microscopy and Fluorescence Photometry - There is no need to publish these methods elsewhere; they will be as in the handbook.

After the discussion concerning the ICCP Editorial Groups all members present accepted the following resolution:

*Resolution - It should be recommended that in the future any publication prepared within ICCP Editorial Groups should be published or submitted for publication in the following 3 years.*

### **New ICCP Handbook Edition -** *Petra David*

Petra presented the status concerning the preparation of the New ICCP Handbook Edition. A further discussion on content and format of this ICCP publication was held.

Petra presented the structure of the handbook and with the list of people, who had taken responsibility for the different topics. This schedule will be available on the ICCP web-site.

Alan Cook noted that he would prefer the maceral definitions re-written so that a paragraph of distinctive features could be added to each maceral definition. After a lengthy discussion a suggestion by Walter to add one chapter distinctive features for all macerals into the new handbook, was accepted and Alan volunteered to look after this chapter.

The problem of photos for ICCP publications was raised again. All the Com I members present in the meeting agreed that a minimum and desirable requirements need to be established for the ICCP publication photos. Alan Cook will prepare notes

on these requirements to be published in the next ICCP News.

It was noted that there is documentation that is yet missing or must be improved. Petra also noted that there are items that need to be reviewed, completed or written. In the past some members volunteered for this work. Not much has happened yet. A revision of list of collaborators/volunteers was undertaken and members will be contacted accordingly to evaluate their availability to prepare the documentation needed.

Petra asked Kimon and his co-workers to volunteer to do/revise the "Definitions" of the Handbook.

All bibliography will be compiled by Petra and Ivana agreed to organize the final version of the references.

Concerning the item "Methods" of the New ICCP Handbook Edition, Isabel agreed to coordinate the preparation of the texts however seeing the enormous volume of work and there are methods that are not of common use, she will firstly contact ICCP members to collaborate in the elaboration of the drafts. In a first approach Isabel and Alan would be responsible of the following methods: Maceral analysis, Microlithotype analysis, Combination analysis, Reflectance analysis, and Coal Blend Analysis. Walter will prepare the texts concerning fluorescence as well as sample preparation. Ed Lester will be asked to be responsible for the items Automation and Colour image analysis. Barbara will be contacted to prepare the methodology concerning TEM and SEM techniques. The item thin sections will be looked after by Ivana.

In the next month Petra will send the existing texts and it was proposed that the revised ones must be ready by 15th April 2007. Peter will be responsible for the editorial revisions and to get people to revise the documents.

The prime goal is to have a CD version of the New ICCP Handbook to be presented in the next ICCP meeting at Victoria.

### **Temporal Variation of Coals -** *Lopo Vasconcelos*

On behalf of the Convenor Walter presented the report on the activities developed during 2005-2006:

"As reported in previous years, the group is reduced to 2 people, despite appeals done during the

meetings at in the Newsletter.

This situation seems to have no solution; therefore we decided to give up looking for new members and continue the work with the two members.

During the period spanning from the Patras Meeting (2005) and the next Bandung Meeting (2006), the convenor was submerged with the organization of the 21st Colloquium of African Geology (CAG21) that took place in Maputo in July 2006, with 300 participants, and therefore didn't have much time to deal with the Working Group.

In Patras (2005) it was suggested to use the ICCP website to ask for data of countries of which only few or no data were available. Unfortunately this was not done, mainly because we didn't consider it very necessary due to the non-responses to the appeals done in the Meetings and in the Newsletter.

Despite these difficulties, something was done, which is described below.

### TASKS FOR THE YEAR

- a) Complete the homogenization of the data tables layout
- b) Complete blank fields of data collected up to now
- c) Get new data
- d) Prepare a data base

#### Task a)

The homogenization of the data table layout was carried out taking into consideration old and new nomenclatures of macerals. Since many data come from papers prior to the adoption of new nomenclatures, both old and new should be included.

This task was carried out by Lopo Vasconcelos and one of his collaborators at the Eduardo Mondlane University (UEM), Mr. Eduardo Siquela.

#### Task b)

Some difficulties were encountered to fill some of the blank fields for lack of information and difficulties to access to information on the Mozambican side. Some information was included considering new literature referring to coals in the table with blank spaces.

#### Task c)

We received from Dragana Životic some data from

Serbian (70) and Bosnia & Herzegovina (20) coals, countries that were missing in the data bank.

We also received 9 data from Slovenian coals from Miloš Markic, from the Geological Survey of Slovenia.

Some information was downloaded from the internet on British coals, and coals from other parts of the world

#### Task d)

Not carried out.

#### Task e)

Not yet achieved. Members of the WG would like first to try to receive data from non-represented coal countries before preparing the database and making it available.

### FUTURE WORK

Complete tasks a) and b) whenever possible. This will be a permanent task

Prepare a database: presently the information is in Excel format, but we will discuss other options that may be more practical.

Maputo, 18th August 2006

(signed) Lopo Vasconcelos  
WG Convenor"

Peter suggested to have a database that could be easily sorted by the different items/subjects of the database.

Angeles suggested that Ivana, Dragana, and other members should take part of the WG as they also contribute with data to be included in the coal databank.

Isabel agreed to send data from Peru, Spain and possibly Mexico.

### **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 the Convenors. 2004-2005 round robin exercises were performed using a photo-gallery file distributed among the participants (in pdf format by e-mail). Each file contained photomicrographs from Phlippi (for 2004 only white light) and Nisi topogenous peat and from an ombrogenous peat in Canada (for 2005

both white light and fluorescence). Each participant was asked to use his own-understanding "terms". In 2004, 11 members conducted the exercise and in 2005 only 9 members replied.

From the 2004 exercise it has been realized that by using only white reflected light, difficulties were encountered in the identification of some macerals. In the 2005 exercise, 20 photomicrographs (under both white reflected light and blue-light excitation) including 38 macerals were provided to the participants. It is evident from the participants comments that fluorescence is very important for peat petrography. A variety of terms has been used by the participants for describing Huminite macerals.

The statistics of the 2005 exercise is as follows: totally agreement, 20 photos including 38 macerals to be identified; average agreement in the predominant maceral: 67% (2004: 58%) and a range of 22-100%. The agreement increases, if replies are grouped under maceral subgroups or groups (80%).

In 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 up to the beginning of the meeting however the rest promised to reply later. 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 were presented and discussed.

Kimon made an appeal to the participants that have not yet replied to perform the exercise and take pictures in order to prepare a CD with the pictures taken by all analysts. This CD will circulate to all the interested participants for comments.

### **Degradinite WG -** *Peter Crosdale*

The convenor informed that no exercise was performed this year. The discussion within this working group took place during the microscope session where samples from NZ and the Surat Basin in Australia supplied by the convenor were looked at and discussed.

## **ICCP Website**

Due to the difficulties on the access to the internet and as the format of the Commission's webpage will be similar, it was pointed out that Chair and Secretary of the Com will be able to put documents and update every year with the documentation presented during the meeting.

## **Microscope Session**

The microscope session was attended by all members present at the meeting and took place on Thursday (05/09) in the Mineral Physics Laboratory Center for Geological Resources.

Samples from the Peat Petrography WG and the Degradinite WG were looked at and discussed at the Microscope session. A discussion about the peat samples (from peatlands in northern Greece) went about the sufficiency of the Huminite Classification for peat petrography. Though the classification was in general considered to be sufficient the possibility to add further distinctions in the description of peats was discussed.

Peter Crosdale showed samples with Degradinite (samples from NZ and the Surat Basin in Australia). A discussion, if the terms Degradinite and Bituminite are synonymous and if the Degradinite/Bituminite structureless and what 'really without structure' means was held vividly.

The session was very vivid and discussions around the two available microscopes were extensive.

Commission I would like to thank Herudiyanto as well as Alan Cook for their efforts to make this microscope session successful.

Deolinda Flores/Walter Pickel - Porto/Sydney  
November 2006

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## **DEADLINE FOR NEXT ICCP NEWS :**

## **23<sup>RD</sup> MARCH 2007**



*Although chairs were plentiful during the microscope session, Peter Crosdale decided it may be best to pray for inspiration on the matter of Degradinite (Photo: Isabel Suárez Ruiz)*

## **MINUTES OF COMMISSION II** **Geological Applications of Coal and Organic Petrology**

58<sup>th</sup> ICCP Meeting  
Bandung 3-9 September 2006

Chair: A. Gómez-Borrego  
Acting Secretary: S. Kalaitzidis

The sessions of Commission II were held on Monday from 14:00-17:00 and on Tuesday from 09:00-13:00. Approximately 13 ICCP members attended the sessions. In the absence of Maria Hámor-Vidó, Stavros Kalaitzidis was acting as secretary and his work is gratefully acknowledged. The reports of the Working Groups were presented in the following order:

## **Environmental Application of Organic Petrology Working Group**

*Convenor: Maria Mastalerz*

The main goal of the working group has been the preparation of an atlas of anthropogenic particles derived from coal exploitation, trade and utilization. The Atlas content was approved at the last year meeting in Patras and the activities during 2006 focussed on the edition of the text accompanying the images at the editorial service of Indiana University. The Chair presented the Atlas of Anthropogenic Particles on its final version on behalf of the Convenor. The CD is ready for distribution by both ICCP and the Indiana University at the cost of 20\$. The convenor was thanked for the effort in compiling and producing the Atlas. The question of whether the CD is applicable in Macintosh Systems was put forward and will be transferred to the convenor.

Maria Mastalerz has expressed her willingness to resign as convenor due to work load but has offered her assistance to keep updated the Atlas with the addition of new images by volunteers. A discussion followed the presentation concerning the next steps of this WG. It is the general feeling that the WG should continue but a new convenor must be found and the further objectives must be defined. Some names were suggested for convenors and their availability will be checked. If at the time of reading these minutes you have the feeling that you can guide the activities of this WG, please do not hesitate to contact the chair of the Commission (<mailto:angeles@incar.csic.es>).

## **Accreditation Program on DOMVR**

*Convenor: Alan Cook*

The convenor presented the historical development of this Accreditation Program, which has lead to the implementation of the Program during the year. At the date of the Meeting the first Round has been initiated and the samples have already been distributed. The convenor also presented some few examples of vitrinite particles. The 2006 Round of the program has 37 petrographers and the deadline for replies is 31 October 2006. The database has been written by Paddy Ranasinghe and uses similar statistical approach as the other ICCP Accreditation Programs. The convenor was congratulated for his efforts to have the Program running.



### **Classification of Dispersed Organic Matter ICCP-TSOP**

*Convenors: Jack Burgess, Lavern Stasiuk, Adrian Hutton*

At the moment of the Meeting no specific information of the progress of this WG was available. The Chair presented on behalf of the convenors the structure of the classification system. A question about how the polished blocks of kerogen were prepared arose when some images were shown, but it was mentioned that the images shown were taken some time ago and it is at present not sure that they will form part of the final selection. It was later known that the main activities during the year consisted on the cleaning of the images but still some work is needed till the interactive atlas will achieve the final format.

### **Identification of Dispersed Organic Matter Working Group**

*Convenor: Jolanta Kus*

The WG focus on the applicability of the DOM ICCP-TSOP Classification System. The Chair presented a summary of the activities on behalf of the convenor. During the year a round-robin exercise was prepared using images from old WG's in Commission II and some others provided by L. Stasiuk. Participants were asked to provide the identification of market points in CD images accompanied by the level of confidence. The WG has at the moment 16 participants and the deadline for this first exercise is 30th of September. Those interested to taking part in the exercise should contact the convenor (J.Kus@bgr.de).

Some discussion about the participation of the convenors of the Classification WG or possible overlapping between the activities of both WG's took place. The convenor is encouraged to enhance collaboration with other WG's that have similar scopes. After seen the historical development of the WG it was mentioned that the question of isolation of organic mater should not be abandoned. The possibility of reactivating this activity was suggested either under the guidance of Jolanta or appointing to other convenor.

### **Qualifying vitrinite for reflectance Working Group**

*Convenor: Angeles Gómez Borrego*

The qualifying vitrinite for reflectance WG was officially closed in Budapest since the objectives initially planned were achieved. In Patras it was agreed to prepare a manuscript reporting the results of the microscopy exercise carried out by the WG. This has been the main activity during the year and the paper entitled "Influence of particle and surface quality on the vitrinite reflectance of dispersed organic matter. Comparative exercise using data from the qualifying system for reflectance analysis working group of ICCP" is now in press in the International Journal of Coal Geology. In addition the results will be also presented at the forthcoming ALAGO meeting under the title "Interlaboratory exercise of vitrinite reflectance analysis in rocks using data from the qualifying system for reflectance analysis working group of ICCP". As final product a CD with large training potential has been prepared containing the achievements and the exercises performed during the WG activities. The CD contains all the images of vitrinite classified during the years with indication of the level of agreement plus the assessment of the results. The CD will be provided along with the samples analysed by the WG and it will be possible to perform the exercise and compare your data with those of the WG. The training set will have a cost of 150\$ with a special price of 50\$ for ICCP Members. It will be also possible to acquire only the CD (20\$).

The question of non exclusive Copyright with Elsevier was mentioned because there were difficulties during the production stages, but they were satisfactorily solved. All convenors having material ready for publication in Elsevier are encouraged to contact the chair or the general secretary to carefully follow the procedures to retain the ICCP rights on published material.

### **Thermal Indices Working Group**

*Convenor: Carla Araujo*

Carla Araujo prepared a document summarizing the activities of the WG which was presented by the Chair of the Commission. No round exercise was held during the year and the main activity has been the preparation of a publication to be presented in

the forthcoming ALAGO Meeting. The last slide of Carla's presentation was the request of suitable samples for the future activities of the WG, but the difficulty to find them was acknowledged.

As some of the samples which has been analysed in the thermal indices WG were also analysed by the qualifying vitrinite for reflectance analysis WG, the possibility of including these results in the training CD was mentioned. After some discussion it was considered better to keep the reports separated because the scopes of the WGs were different and it will be always possible to easily access to both sets of information as both will be published.

## **Coal Bed Methane and CO<sub>2</sub> Sequestration Working Group**

*Convenors: Lila Gurba, Peter Crosdale*

Peter Crosdale presented a summary on the status of the WG in which it was recognized the difficulties to identify tasks in which expertise of ICCP could be useful.

Last year it was decided to focus on the compilation of published correlations between petrographic and adsorption data for different basins. The objective appears to be too vague to yield successful results. The people involved directly with this subject still consider of the foremost importance the standardization of isotherm analysis. There were 3 labs identified as having interest in going back to the original objective of the WG and it was agreed to start again to run an isotherm analyses.

## **Dispersed organic matter in sedimentary rocks - Classification, identification and thermal maturity**

*Convenor: Wolfgang Kalkreuth  
New Convenor: Mária Hámor-Vidó*

The chair summarized the status of the WG on behalf of the convenors. The complete material was transferred from W. Kalkreuth to Maria Hámor-Vidó, who will review the text and come with a proposal for further development. The available material was compiled some years ago and needs to be updated. In addition there are some topics missing, as the historical development of

DOM classifications (to be done by the DOM Classification convenors), zooclast occurrences, etc.

There was also a discussion on the overlapping level of this WG and the Classification of DOM and Identification of DOM WG's. Although the differences in the scope are reasonable clear the convenors are encouraged to improve cooperation and avoid any overlapping. It was proposed to prepare the publication of the material in an International Journal, although it is not clear yet how the contents of the White Paper fit to a Journal.

It appears that this project might go beyond the initially planned activities of the WG and become something like a handbook of DOM Petrology. Therefore the convenors are encouraged to circulate the material to members of COMMISSION II as soon as it is ready for revision.

## **Revisions on Previous Activities in Commission II**

Following the last year decision of making available old documents generated over the years in Commission II the chair compiled the documents, which were scanned by Werner Hiltmann. The first steps of this work revealed that the reports contain a large amount of relevant data, which deserve some revision before making them widely available. The Chair initiated the work revising during the year the data from MOD 20-24 compiled by N. Bostik in 1981. Bostik has agreed to cooperate in this revision and in the future years a similar approach will be followed with the other reports available. The intention is to make the achievements of the exercises available through publication of the results in a journal or in any other format appropriated to the results. In addition to the above mentioned report there are others from Robert, Hiltmann, Kalkreuth, Senftle, and Castaño with variable scopes. The ideal situation is that the convenors conducting those exercises at the time will review either by themselves or with co-operation from volunteers the content of the reports. The chair will contact them over the year to check their availability and alternatively to search for volunteers to perform this task. In accordance with previous discussions about the opportunities for a WG on Isolation of Organic Mater the chair compromised to review for the next year the work of Castaño in his WG as first step.

## Identification for new opportunities of WG's

Some possibilities for new analytical techniques were mentioned and also new opportunities derived from the work of previous WG's, as providing guidelines from the analyses of vitrinite reflectance in oil shales or assessment of the influence of matrix luminosity on vitrinite reflectance. In addition the possible WG on isolation was further discussed. A call will be made in the ICCP News for volunteers to convene these WG's or any other which could be defined.

## Webpage

The session continued in the Business Center of the Hotel, where Dirk Prinz showed us the preliminary contents of the ICCP Webpage at the moment behind the RWTH Aachen. Discussion took place on the format and the content of the Webpage, and the type of information, which should be restricted to the membership or open to the public. The Webpage will be transferred to the site in Aachen by the beginning of November.

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## MINUTES OF COMMISSION III Industrial Applications of Coal Petrology

58<sup>th</sup> ICCP Meeting  
Bandung 3-9 September 2006

Acting Chair: Isabel Suárez-Ruiz  
Acting Secretary: Antonis Bouzinos

The sessions of Commission III were held on Tuesday from 11.20-14.00 and on Wednesday from 13.30-15.50 and were attended by approximately 13 ICCP Members.

The acting chairperson presented the activities and the state of the art of the 6 active working groups and those of the Coal blend Accreditation program included in this Commission.

The acting chair also presented the objectives of these working groups and the CBAP, the activities developed in 2004-2005 as well as those carried out in 2005-2006.

Moreover, for the Fly Ash Working Group the acting chair informed the members that Dr. J. Hower had resigned as co-convenor of this WG.

Isabel Suárez-Ruiz, the main convenor, was looking for another co-convenor. She asked Dr. B. Valentim from Porto University (Portugal) to take on this responsibility. He accepted this position and then she informed the ICCP members at the Bandung Meeting about the change. She asked the ICCP attending Members if B. Valentim could be accepted as co-convenor of the Fly Ash WG. All the attending ICCP members agreed with this proposal. The Fly Ash WG now has a new co-convenor.

In addition, the acting chair presented the opportunities for new WGs. According to the information that Dr. G. Predeanu provided the General Secretary of the ICCP a new WG dealing with application of microscopy to carbon products could eventually be accepted.

Four of the WGs of this Commission: the Automation WG (Convenor: D. Pearson), the Coke petrography WG (Convenor: H. Eickhoff), the Combustion WG (Convenor: E. Lester) and the Application of Reflectance to estimate Structural Order WG (Convenor: Without Convenor) have not developed any activity this year.

Then the acting chairperson started with the presentation of the activities of CBAP and the two WGs.

## 1. Coal Blends Accreditation program (CBAP)

*Convenor: Isabel Suárez-Ruiz*

The convenor of the CBAP, presented the objectives of the program, the items to be determined, the proposed statistics in order to evaluate these items and the database program. The database program was developed by Paddy Ranasinghe and supported by Alan Cook and it is currently being tested at Oviedo, Spain. The CBAP has 13 available single coals (two of them need coal cleaning, another one is duplicated). In the Fall, by November, two coal blend samples will be prepared and sent out to the participants as un-mounted samples, ground to 1 mm stage. The preparation and polishing of the pellets will be carried out by the participants. The instructions for carrying out the exercise are being prepared and will be sent out to the participants with the coal blend samples. The program has 17 potential participants. The estimated income of this program for 2006 is of about 1814.40 Euro and the estimated expenses for the same period are about 3303.66

Euro.

A new appeal for providing single coals was made by the convenor. No questions or discussion followed this presentation.

## 2. Improved Image Analysis WG

*Convenor: Cristina Rodrigues*

The topic developed in this WG is entitled: "New approach to study the coal cleat system by image analysis". The convenor presented the activities of 2005-2006. The exercise program was changed due to difficulties in understanding how to work with the sample. The convenor gave new guidelines after discussion and the exercise will be repeated next year because in 2005-2006 only one participant responded. The results from the one participant were in good agreement with the proposed program of the convenor. Next year, the convenor will provide more pictures from different samples in order to study the four parameters that the convenor proposed in 2005-2006. The objective is to study a lot more parameters than these four. The WG needs more participants in view of its scope.

## 3. Identification and petrographic classification of components in Fly Ashes

*Convenor: Isabel Suárez-Ruiz*

The convenor explained the objectives of this WG and then summarized the main reasons for creating this WG. Then the convenor proposed the type of material to be studied, the methodology to be used and the time table. She also explained the criteria in order to establish a classification of Fly Ash components by using optical microscopy. Then the convenor presented a detailed pre-classification of the fly ash components both organic and inorganic on the basis of some published works. After this presentation there followed a discussion in relation to the criteria and the attending members agreed that they should start with an easy round robin exercise and classify the fly ash components following these main criteria:

- i)- To differentiate Organic and Inorganic Components.
- ii)- For the organic components it is necessary to take into account their optical texture, their fused or un-fused character, their structure and morphology, and their origin (coal,

others) and in this specific order.

- iii)- For the inorganic components, these should be classified into two categories: metallic and non-metallic components.

It was also agreed that the participants will provide a description of the particles included in the exercise. The convenor should send out two pictures of each fly ash component included in the exercise, recording the anisotropy/isotropy of the particle.

The convenor will send out a letter to the ICCP Members to find out who is interested in participating in this WG, explaining its goal. Early next year 2007 the convenor proposed sending a CD with pictures of the fly ash components that should be classified according to these criteria. One of the attending members of the Meeting proposed downloading the pictures of fly ash components from the ICCP web page once it is available. The other members agreed.

Alan Cook recommended using the ISO system for coal classification instead of bituminous, anthracite, etc., nomenclature. This was also accepted.

## 4. Opportunities for New WGs.

*Proposed by G. Predeanu (Romania)*

*Potential New WG: The microscopy of carbon products.*

The acting chairperson explained to the attending ICCP members that this proposal was focused on microscopy of carbon products such as mesophase in pitch, calcinated petroleum and carbon composites.

After that the acting chair proposed writing a letter to G. Predeanu to obtain much more information about the objectives of her proposal, her time table and work plan as well as the name of the potential convenor of the working group. There followed a discussion among the ICCP attending members and it was recommended the opinion of the active chair, R. Menendez should be sought to set up the objectives of this WG and also to inform the active secretary of the Commission III, G. Predeanu.

*The acting chairperson closed the session of Commission III.*

Minutes of the 58<sup>th</sup> Annual Meeting of the  
International Committee for Coal and Organic Petrology (ICCP)

APPENDIX X - SHORT MINUTES FROM COUNCIL MEETINGS

**Note, due to the number of important decisions, these short minutes are longer than has commonly been the case. Appendices are available from the General Secretary.** (Ed. note: appendix numbers refer to the full Council Minutes and not the Minutes of the Meeting as published in this edition of ICCP News)

Council Meeting at 13.00 on 3<sup>rd</sup> September in the Pangrango Room, Horison Hotel, Bandung. Resumed at 17.30 on 5<sup>th</sup> September finishing at 18.58.

Members of Council present, **A C Cook**, President, **P David** General Secretary, **P Crosdale** Editor, **W M Pickel** Chair Commission I, **D Flores** Secretary Commission I, **M A Gomez Borrego** Chair Commission II.

In attendance by invitation in accordance with previous practice, the convenors of the accreditation programs, SCAP Kimon Christanis, CBAP Isabel Suarez Ruiz, DOMVR Alan Cook

## 5. Membership

### 5.5 Directory

***Resolved** ICCPC06/5/5/1. Council thanks the Editor, the Hon Treasurer and the Editor for their continued work in preparing the new directory.*

***Resolved** ICCPC06/5/5/2. Council renews it request that the new directory be posted on a secure area of the website and requests that members be supplied with the appropriate access codes for this area.*

***Resolved** ICCPC06/6/1. Council sends its best wishes for a speedy recovery to Dr Pareek.*

## 7. Financial matters

### 7.1 Treasurer's Report

The Treasurers Report is attached as Appendix III, a document related to the ICCP Budget 2006-2007 in Appendix IV.

***Resolved** ICCPC06//7/1. Council*

*i) receives the report of the Honorary Treasurer*

*ii) receives the reports of the Honorary Auditor for 2003- 2004 and 2004-2005 and notes that the auditor has not yet received the material for the 2006 report*

*iii) agrees that the report represents a fair statement of the financial affairs of ICCP and congratulates the Honorary Treasurer on the report.*

In 2006, ICCP is running three accreditation programs. Gross income from these programs will be more than twice that from membership fees. The SCAP program alone has greater income, and relatively low expenditures. The President made a short presentation showing estimates of income and expenditure for 2006 and for the next years that each of the accreditation programs will be run. Expenditure on accreditation programs will probably become the main item of expenditure, but net income to ICCP from Accreditation is likely to be considerably greater than membership fee income in future. The main conclusion from the data available at this time is that accreditation income will considerably exceed fee income ON AVERAGE, and will greatly exceed fee income in years when the SCAP is run.

Three main problems were identified in relation to membership fees (see Appendix VII)

1. Late payment of fees.
2. Rising costs of newsletter.
3. Keeping costs to a minimum and giving members an incentive to assist in doing this.

To this end a revision of the fee structure was proposed to include:

- A. A discount for early or on-time payment of membership fees (to address point 1).
- B. A related discount to be offered on payment for 3 years in advance (also to address point 1).
- C. An additional discount where members agree to take the Newsletter in electronic form (to address points 2 and 3.).

These proposals are set out in Tables 3 and 4 of Appendix VII and an example pro forma invoice is provided as an attachment in that Appendix.



The projections given in the correspondence and present to Council, indicate that ICCP income less expenses should be **effectively unchanged or show a slight cost benefit** to ICCP. This is important because, as noted above, if only **membership income** is considered, ICCP will be **running at a loss in many years**. The proposals are projected both to permit a decrease in membership fees, and to improve the balance for ICCP when accreditation income is excluded.

***Resolved ICCPC06/7/3.** Council, noting the proposals from the Editor and the correspondence between the Editor and the Treasurer, provisionally accepts the revisions to the fee structure set out in Tables 3 and 4 in Appendix VII and illustrated in the example pro-forma invoice and recommends provisional acceptance by the Plenary Session with implementation in 2007 subject to further advice from the Treasurer and further consideration by Council.*

It was agreed that a motion should be put to the Plenary (see Plenary Session Minutes).

In accepting these proposals Council noted the financial projections that were provided supporting the measures.

Council also noted that revision of the fees for the accreditation programs should also be considered and passed the following motion that is intended to address the larger number of invoices associated with the increase in accreditation activities. This proposal is intended both to ease the workload on the Treasurer resulting from the accreditation program, to provide an easier way for members to decide the activities in which they wish to participate, and a simple method of applying discounts.

***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 choose 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 Convenors through the Accreditation Committee no later than 30 November in each year.*

The convenors agreed that it would be possible to provide such advice. An example pro-forma of a consolidated invoice is attached to these minutes in Appendix VII.

It was also noted that:

1. Strong arguments have been made that Accreditation fees should not be too low, because very low fees might be taken as an indication of a low value placed on accreditation by ICCP, whereas the contrary is the case.
2. The operating surplus from accreditation is highly significant in terms of overall ICCP financial terms, but is extremely small compared with the unpaid work put in by the convenors.
3. The paradox of being indebted to the convenors, running a surplus but not being in a position to compensate convenors for their work was noted as an ongoing problem that has been discussed before without any obvious solution becoming apparent.

## 8. Editor

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

***Resolved ICCPC06/8/1/1.** Council receives the report of the Editor and congratulates him on the presentation of the Newsletter.*

***Resolved ICCPC06/8/1/2.** Council notes that the editor may wish to undertake other publishing projects and approves 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.*

***Resolved ICCPC06/8/2/1.** Council approves 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 ICCPC06/8/2/2.** Council notes that no reciprocal arrangements have been made for members' rates prices for publications.*

***Resolved ICCPC06/8/2/3.** That Council notes 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 although some difficulties were encountered because Elsevier had no institutional record of its agreement with ICCO and that authors may need to request the correct forms because Elsevier commonly supply forms that direct copyright to Elsevier and some Elsevier staff may still be unaware of the agreement.*

The following prices were discussed and agreed during the meeting.

1. Anthropogenic components CD - USD20, available from ICCP and from Illinois.
2. VRQ study:
  - A. CD only USD15 for members, USD25 for non-members
  - B. CD plus sample suite, USD 50 for members, USD150 for non-members..

Council recorded its gratitude to Maria Mastalerz for her role in preparing the Anthropogenic components CD and in arranging for the CDs to be made by her University in Illinois.

## 9. Website

Dr Prinz gave demonstrations of the new format of the website. Advice has been received that we need to renew the web reservation and arrangements will be made for the transfer of the site before November 2006 to conform with the needs for site reservation.

**Resolved ICCPC06/9/1.** *Council notes that introduction of the new website layout has been delayed but believes the new site has great potential and thanks to Dr. Prinz for his work.*

**Resolved ICCPC06/9/2.** *Council thanks Dr Pearson and his staff for hosting the website.*

**Resolved ICCPC06/9/3.** *Council notes the increasing range of material available on the website but also records that its wishes for a secure zone have not yet been met.*

Details were given of how secure zones will be arranged and that substantial space on the server will be made available to each member with appropriate security arrangements being in place..

### 9.3 Site design

**Resolved ICCPC06/9/5.** *Council notes that the improvements requested in 2005 for the Home page have not eventuated.*

It was also noted that a complete revision of the web pages will accompany the move to Aachen.

## 11. Elections

Elections are due for the positions of President, Vice President, Chair Commission II, Secretary Commission II and Chair Commission III. Council made the following nominations to the Plenary Session:

### President:

P. David,  
W. Kalkreuth  
W. M. Pickel

### Vice-president:

L. Vasconcelos

### Chair Commission II:

A. Gomez Borrego

### Secretary Commission II:

M. Hámor-Vidó  
C. Araujo

### Chair Commission III:

D. Pearson  
I. Suárez Ruiz

## 12. Status of ICCP

In accordance with Resolution ICCPC05/12/5 from the Patras meeting, submissions were sought relating to Registration.

Proposals and information were received as follows:

Deolinda Flores - Portugal  
Kimon Christanis - Greece  
Alan Cook - NSW  
Petra David and Jolanta Kus - Copernicus and EUG and AGI.

The documents provided for the various jurisdictions are moderately complex and 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.

**Resolved ICCPC06/12/1.** *Council requests the General Secretary to consult with those providing data for Greece, New South Wales and Portugal, with a view to bringing back to Council during the course of the present meeting, a table showing valid comparisons.*

A meeting was held and the table shown below will be used as a basis for preparation of a more definitive table according to the timetable set out below.

## COMPARISON OF DATA FROM GREECE, PORTUGAL AND NSW

Item		GREECE	PORTUGAL	NSW	
No	Name			Initial	Annual
1	Application for incorporation as Association	€3500	€1500	98AUD	n/a
2	Reservation of name	Included in (1)	Included in (1)	37AUD	n/a
3	Incorporate Organization	ICCP	University of Porto	ICCP	n/a
4	Name change	Included in (1)	n/a	(47AUD)	n/a
5	Certificate of Public Officer on vesting of property	n/a	n/a	0	
6	Annual statement	recurrent	Included in (11)	n/a	42AUD (late fees apply if late)
7	Change of Public Officer	n/a	n/a	0	n/a
8	Extension of time for annual Gen Meeting	n/a	n/a	n/a	(21AUD)
9	Amalgamation of associations	n/a	n/a / Included in (1)	0	n/a
10	Incorporation of amalgamated Associations	n/a	n/a	(98AUD)	n/a
11	Accounts	Est €250-€600	100 €+VAT <u>OR</u> about €2178pa if ICCP decides to use external Finance and Treasury services	n/a	Est <1400AUD pa*
12	Annual financial audit	Included in (11)	€100pa	n/a	Included in (11)
13	Cancellation of incorporation	0	n/a	0	n/a
14	Room rent	€2400-3600pa	No charge	n/a	Included in (11)
15	Statutes revision and translation to Greek or to Portuguese	€2500	€812 + €160 translation	n/a	n/a
16	Tax	0.1% of income	25% of profit	0	0
Totals fro Items 1 to 16					
17	Initial application	€6000	>€2400	135AUD	n/a
18	Recurrent charges	>€3000	>€300	n/a	<\$A1442AUD
19	Liability Insurance	Waiting for quotation	Waiting for quotation		Still insufficient information for quotation
20	Winding up	?0	0	0	n/a

\* Note that <\$A1400AUD includes cost of registered office.

Exchange rates as at 8/12/06: 1USD = 1.9692GBP = 1.3307 EUR = 0.7876 AUD

**Resolved** ICCPC06/12/2. Council having received the report of the General Secretary as requested in the previous resolution, approves the procedures set out below with a view to providing additional information relating to registration and a set of steps to lead to a vote from members and then potentially to commencement of registration.

#### Proposed steps

1. Tabulate initial and recurrent costs for each jurisdiction in an elaboration of the table in above.
2. List the unknowns and the margins of uncertainty.. The "unknown unknowns" will remain unknown!
3. Timing:
  - A. Summary presented to Plenary Session in Bandung
  - B. Deadline for additional information to General Secretary of November 30.
  - C. Publish new summary in ICCP Newsletter for March 2007.
  - D. Targets for registration
    - D1. All information to General Assembly in Plenary Session 2007
    - D2. Vote by all members in October 2007.
    - D3. If October 2007 vote approves registration, second vote to Full members (note, the proposal will be in general rather than specific terms)
    - D4. Action to commence registration to start in February or March 2008.

### 13. Accreditation Programs

The two new accreditation programs, Coal Blends (CBAP) and Reflectance of vitrinite in dispersed organic matter (DOMVR) have been started. Current numbers of participants in these programs are 17 (CBAP) and 37 (DOMVR).

Council agreed to the fees structures as set out in the Plenary Session Minutes.

Some comments have been made about the levels of fees. Two possible types of discount might be considered.

Discounts were proposed as follows for future rounds:

**Resolved** ICCPC06/13/1. Council adopts fee discounts as follows for future years of the accreditation activities:

i) participation in two programs, a discount of 10% for the each of the two programs.

ii) participation in three programs, a discount of 20% for each of the three programs

Noting that these discounts will apply if participation is in the same year or was in the previous year when a program was run and that they will apply both to members and to non-members.

Note to Resolution ICCP06/13/1: It is intended that in cases where a specific program is run in a year without other programs, participation in previous rounds of other programs shall be taken into account in determining discounts.

During the year, material has been transferred from Wollongong to Patras for the SCAP.

Reports should be submitted by the Convenors in accordance with **Resolved** ICCPC03/15/4. That convenors report annually on procedures through the Chair of the Accreditation Committee to Council. These were available but not in a form suitable for inclusion with this agenda but each of the convenors reported during the meeting. It may be desirable to develop a form of short reporting suitable for Council needs that requires **minimal** additional work for convenors.

The Accreditation Sub-committee now comprises:

the Chairs of Commissions I, II and III;

an additional member drawn from outside Council and;

the Convenors of the accreditation programs.

The convenors report initially to the Accreditation Sub-committee and through it to the President. Notice was given at Patras that the Chair of the Sub-committee may be vacated by the Chair of Commission I, and he subsequently resigned, accepted re-appointment and then resigned again.

During the Bandung meeting the outside member was replaced by Kees Kommeren.

A number of problems had become apparent during the past 3 years for the existing program include and an attempt was made at the Bandung meeting to address these as far as possible.

1. The Accreditation Committee affirmed a wish to work under the general procedures laid out in the

document in Attachment xx to this document.

2. It was announced that Angeles Gomez Borrego had been elected Chair

**Resolved** ICCPC06/13/3. *Council congratulates the program convenors on their progress in the 2006 round of analyses.*

During the meeting a CD was received with the available data from the previous SCAP data. This is a set of files with 81.5 megabytes of data. The data for the 2004 round appears to be complete. For 2002, only the word files giving the data for accredited petrologists appear to be available.

In terms of running the SCAP program in 2006, data for 2006 and 2004 can be entered in the form that was expected. Analysts previously accredited will require their 2002 data to be included. The form of the data available may require some reprogramming of the database being used for processing.

Copies of data from the current programs are being deposited in safe and multiple locations. The database programs will also be backed up at multiple locations. Backing up of data has had regard to the need to ensure that participants in the analytical rounds do not have access to the data prior to submitting their own data.

## 14. Revision of the Statutes

**Resolved** ICCPC06/14/1. *Council accepts the proposals as set out by the Vice-President for coordination of the revision of the Statutes with the registration process.*

## 15. Differential charges for members and non-members

Item deferred to 2007

**Resolved** ICCPC06/15/1. *Council approves the attached schedule of differential charges for members and non-members.*

16 September 2006  
Gunung Bohong, Bandung

## Know Your Coal Petrologist #24



*I wonder what was said to cause these two petrologists to look discretely in opposite directions? We may never know but find out who they are on page 58.*

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## Membership Matters

### Directory Updates August - October 2006

Glecy Calleja - *New contact details:*

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Tel.: +63-2-840 1401 ext. 252  
Fax: +63-2-840 2093  
mailto:gcalleja@doe.gov.ph

Kevin DeVanney - *E-mail address:*

mailto:coalpetr@windstream.net

Vivien Mary du Cann - *New contact details:*

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Pretoria 0040  
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Tel: +27-12-361 7865  
mailto:vivienducann@mweb.co.za



Mária **Hámor-Vidó** - *New contact details:*

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Fax: +36-1-363 7256  
mailto:vido@elgi.hu  
mailto:vido@mafi.hu  
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Bronisława **Hanak** - *E-mail address:*

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Manuel **Lemos de Sousa** - *New contact details:*

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Fax: +351-22-550 8269  
mailto:lemosdesousa@gmail.com  
mailto:lsousa@ufp.pt

Nicholas Andrew **Moore** - *New contact details:*

26 Malvern Ave  
Tieri  
Queensland 4709  
AUSTRALIA  
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Henrique J. **Pinheiro** - *Telephone and fax:*

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Fax: +27-86-636 7146  
Ricki's mobile is unchanged +27-82-892 9331

Georgeta **Predeanu** - *area code, phone, fax, e-mail:*

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Lopo **Vasconcelos** - *E-mail address:*

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Fax: +49-2151-897 543

Nikki **Wagner** - *E-mail address:*

mailto:Nicola.wagner@wits.ac.za

## New Members

**Alexander Kirilov Zdravkov**

Assistant Prof. Dr. Alexander Kirilov **Zdravkov**  
(A1,2,3)  
University of Mining and Geology "St. Ivan Rilski"  
Department of Economic Geology  
Stoudentski grad  
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BULGARIA

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+359-886 439 459 (mobile)

Fax: +359-2-962 4940

mailto:alex\_zdravkov@mgu.bg

(Ed. note: see page 18 of this issue for photograph and brief resume)

## Advancement to Full Membership

**Joan Esterle, Australia**

(Ed. note: see page 18 of this issue for photograph and brief resume)

## August 2006 Directory Corrections

Hrusikesh K. **Mishra** - the membership status is wrongly stated as "Associate". Rishi is a "Full" Member of ICCP.

John **Vleeskens** - listed as RF 3 instead of H 3

Dragana **Životić** - surname misprinted. (Ed. note: the typeface of the printed directory was not that sent to the printers. The printed typeface did not support "Ž")

.....  
If applicable please update your contact details with the General Secretary (who is responsible for membership) and the Honorary Treasurer (who administers the ICCP membership database).

**Dr. Petra David**

ICCP General Secretary  
TNO Built Environment  
and Geosciences  
Division of Geo-energy  
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**R M Schwab**

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Ph. +44-1829-740 239  
Fax +49-1212 666 500500  
mailto:rudi.schwab@btinternet.com

R. M. Schwab, 31 October 2006  
mailto:rudi.schwab@btinternet.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).

### 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 will close on April 30<sup>th</sup> 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>

### 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.

## 2006 Organic Petrology Award



### Laudation for the Presentation of the 2006 Organic Petrology Award to Isabel Suárez-ruiz

The International Committee for Coal and Organic Petrology is honoured to present the 2006 Organic Petrology Award to Isabel Suárez-Ruiz. Isabel is the head of the Chemistry of Materials department at the Instituto Nacional del Carbón (INCAR-CSIC), Oviedo, Spain.

She studied Geology at the University of Oviedo and graduated in 1980 obtaining the special graduation prize (premio extraordinario de licenciatura). After her Master Thesis dealing with the sedimentation process in a playa-dune system in Asturias she began her tenure at INCAR in 1984 working first on a project dealing with the characterisation of the organic matter in the Jurassic black shales of Asturias and Cantabria in Spain.

This work was the basis of her Ph D thesis under the guidance of a distinguished and long-time member of ICCP, Javier G. Prado. The extensive work carried out provided not only a characterization of the type of organic matter of these black shales but also the first coalification patterns for these sediments in the area. She defended her Ph D. Thesis at the University of Oviedo in 1988 and obtained the classification of sobresaliente cum laude, which is the highest available.

After finishing her Ph.D she obtained a grant from Spanish Ministry for Education to perform a post-doctoral study in the “Unité de Recherche en Pétrologie Organique – URPO” in the University of Orleans in France. This group was at the time

working in the development of fluorescence techniques. She continued her post-doctoral work in Jack-Crelling's group at Southern Illinois University where she was involved in studies on the organic geochemistry of source rocks and coals.

In 1989, she was appointed to permanent position at INCAR-CSIC where she has developed most of her scientific career. During these years Isabel has participated in many projects at both local, regional, national and international level dealing with a variety of subjects in the field of coal geology and coal utilization (in a significant number she was responsible for the projects).

She is the Spanish principal investigator in bilateral research agreements with the Universities of Nancy and Strasbourg in France and the University of Porto in Portugal. Her international relationships strengthen last year with a research stay in the Kentucky University at Lexington (US). Especially outstanding research has been done by Isabel on the structure of vitrinite, the behaviour of perhydrous coals and coal pyrolysis. More recently she has worked on the petrology of carbons and fly-ashes.

She has also intensively studied the characteristics of Spanish coals, in particular the Carboniferous coals from the Asturian Basins and from the central part of Spain (Puertollano and Peñarroya). These results are collected in over 60 publications in well-known journals in the field of coal and energy such as the International J. of Coal Geology, Fuel, Energy Fuels, International J. of Analytical and Applied Pyrolysis and similar types of journals..

Isabel has worked closely with industry in many projects involving the characterisation of supplies for power plants and coking companies, detecting solid contaminants in the environment, etc. Within Spain, she has also supervised graduate students working at both Masters PhD. levels at the Universities of Oviedo and Salamanca and a Ph D. thesis in co-operation with the University of Nancy.

Her expertise in the world of coal petrology is acknowledged as critical reviewer for many papers for scientific journals and her membership of the editorial board of the International Journal of Coal Geology.

Isabel's service to ICCP is extensive and at a high level of contributions. For a number of years, she was the convener of the Coal Blends Working Group and ran a series of successful blends analysis tests among members. Very importantly, she has been able to develop from that work the current

Coal Blends Accreditation Program for Petrographic Analysis of coal blends.

In 2008, she will be the co-chair of the joint meeting of ICCP and The Society for Organic Petrology. This will be just the third joint meeting of the two organizations and will be the first time that TSOP has met in Europe.

ICCP, is pleased to present the Organic Petrology Award for 2006 to Isabel Suárez-Ruiz., for her service to the science and to the ICCP.



*The 2006 Organic Petrology Award being presented to Isabel Suárez Ruiz by ICCP President Alan Cook*

### **Response by Dr. Isabel Suárez-Ruiz**

Dear President, ICCP Council, Ladies and Gentlemen,

It is a very great honour for me to be here at Bandung in Indonesia and to receive the Organic Petrology Award. And I am truly happy to be the recipient of the first Organic Petrology Award to go to Europe and particularly to Spain.

For all this, thank you very much, ICCP, and many thanks to all those who in one way or another supported me.

I have to say that I began my research work in the field of Organic Petrology in an accidental way in the eighties. At that time I was working in the Geology Faculty of Oviedo University, Spain, on Stratigraphy and Sedimentology topics and it was here that I met Dr. Javier Prado for the first time. In 1983 he gave me a great opportunity to work in the field of Organic Petrology, a field that for me at that time was totally new. However, from the beginning it was a topic that I liked and I developed my PhD under Dr. Prado's supervision. So, I would like to thank both Dr. Prado and the CSIC, the

Spanish National Council for Scientific Research, for this great opportunity.

After my PhD and in accordance with CSIC rules I was required to spend a certain amount of time outside my country in order to acquire more experience in the field of scientific research. Although at that time for some researchers, having to leave one's own country was a difficult experience, I must say that this was one of the best things that has happened to me in my professional life. I will always agree with and support this system at the CSIC, which requires to acquire different experience and be trained in the field of scientific research outside our borders. In my case this experience was a postdoctoral position financially sponsored by the Spanish Department for Education and Science.

This second important opportunity allowed me to meet and interact with important researchers from well known laboratories and to learn from them. For this reason I would like to thank the Unite de Recherche in Petrology Organique from the CNRS-Universite d'Orleans in France, and the Geology Department in the Southern Illinois University at Carbondale, United States as well as all the researchers from these laboratories. Some of these researchers are at present my colleagues with whom I am working.

Back in Spain and working for the INCAR - CSIC as one of its staff members for the last 16 years, and because I firmly believe in the need for extending international scientific cooperation, I have always tried to maintain and enlarge relationships and links with research laboratories from other countries. Particularly fruitful has been the collaboration with my colleagues from the laboratories of the Orleans, Nancy and Strasbourg Universities- CNRS in France; the Unit of Petrology from Porto University in Portugal; the CAER from the University of Kentucky at Lexington in United States, and other researchers working at present in Peru and Mexico.

I should also add that my collaboration with Spanish researchers from the INCAR-CSIC, in other centers of the CSIC (Barcelona, Sevilla) and some Spanish Universities (Oviedo, Salamanca, Almeria, Malaga, Basque Country, etc.) is also greatly appreciated.

On a personal level I should like to mention here some colleagues and friends such as Luis Martinez and Fatima Laggoun-Defargue from France, Mikel Krugue, Jack Crelling and his wife, Betty Crelling

from the United States, Deolinda Flores and Manuela Marques from Portugal among others. They sincerely helped me when I was abroad, especially during my first visits to these countries and made my life easier and happier.

To conclude, I would like to dedicate this award to my family, for their unlimited patience, given my long periods of absence abroad and for their infinite understanding of my work commitments. Without their help none of this would have been possible.

Finally, I would like to say that I gratefully accept this award and once again reiterate my thanks to all of you.

*Isabel Suárez Ruiz  
09-September-2006  
Bandung (Indonesia)*

## Lower Rank Coals Symposium Abstracts

*Editor's note: abstracts of most of the papers and posters presented in Bandung were printed in a volume attached to the International Symposium on Lower Rank Coals. Some of the presentations by ICCP Members are reproduced below. Additionally, some of the following relate to posters which were also presented but relate to higher rank coals.*

### Lead Isotope Ratios in Coals

*M. Díaz-Somoano<sup>1</sup>, I. Suárez-Ruiz<sup>1</sup>,  
J.I.G. Alonso<sup>2</sup>, J. Ruiz Encinar<sup>2</sup>,  
M.A. López-Antó<sup>1</sup>, M.R. Martínez-Tarazona<sup>1,3</sup>*

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<sup>2</sup> Departamento de Química Física y Analítica, Universidad de Oviedo, C/ Julian Claveria 8, 33006- Oviedo, Spain

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The lead isotope composition of different materials and deposits were measured in order to determine sources of pollution. Natural lead is normally composed of four stable isotopes of masses 204, 206, 207 and 208 with average abundances of 1.4, 24.1, 22.1 and 52.4 %, respectively. Most of this lead is incorporated into the Earth when it is formed. However, three of these isotopes are also derived from the radioactive decay of uranium and thorium: <sup>206</sup>Pb is derived from the decay of <sup>238</sup>U,



$^{207}\text{Pb}$  from  $^{235}\text{U}$  and  $^{208}\text{Pb}$  from  $^{232}\text{Th}$ . As a consequence of this radioactive decay the ratios of these three isotopes to  $^{204}\text{Pb}$  vary. Coal combustion has been classified as an important stationary source of lead emissions. However few data about lead isotope ratios in coals are available. In this paper more than 50 coal samples of different origin were analysed for stable isotopes by ICP-MS (Figure 1). The results provide useful data for the identification of the source of pollution. The average lead content was 20 ppm, the highest being for Puertollano basin coals in Spain and some samples from the Jatunhuasi basin in Peru (200-300 ppm) and the lowest being for Australian coals (1.6-4.0 ppm). The  $^{206}\text{Pb}/^{207}\text{Pb}$  ratios range between 1.155-1.278. The isotope ratios correlate with Ro, liptinite and volatile matter content. These data constitute a basis for developing a lead isotope ratio register that can be used to help identify pollution sources.

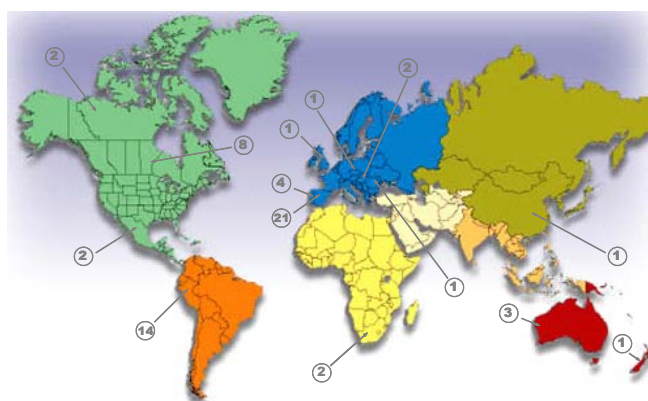


Figure 1. Number of coal samples analysed and distribution by countries

### **The Cea Group in the Guardo-Valderrueda Basin (Cantabrian Mountains, North Spain). Petrography of their Pennsylvanian coals**

*T. Llorens<sup>1</sup>, I. Suárez-Ruiz<sup>2</sup> and J. R. Colmenero<sup>1</sup>*

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The Guardo-Valderrueda coal basin is a narrow strip about 40 km in length located at the Southern

part of the Cantabrian Mountains (North Spain). It is occupied by the post-orogenic Cea Group succession, which is made up of several thousand metres thick of terrigenous sediments and coal seams. This succession unconformably underlies on previous Paleozoic successions in the Cantabrian Zone. Sediments of this Group are of chronostratigraphic interest because they made it possible to establish the stratotype of the Cantabrian substage (Lower Stephanian). Despite the scarce lateral continuity of these coal seams, their reduced thickness and steep dip which are the typical features in almost all the Spanish Carboniferous coal basins, they are being extensively mined for combustion in the power plants close to this basin once they have been blended with other domestic and imported coals. The Guardo-Valderrueda basin is affected by major systems of faults as a consequence of the intense Variscan and Alpine deformation developed in this area.

The objectives of this research were mainly two: i)- the stratigraphic and sedimentologic study of Cea Group materials in the western sector of the Guardo-Valderrueda Basin to establish the processes and sedimentary environments in which the deposition took place, with particular interest in the coal productive facies, and; ii)- the petrographic study of coals including the rank distribution to establish the main causes of coal rank variation in the area studied.

Thus, 24 facies which were grouped into 13 associations of facies were identified. They represent two adjacent alluvial fan systems, the so-called Duerna (Figure 1) and Peñaverde-Remolina alluvial fans (Figure 2). The former was developed by processes of debris flow in a system confined to a paleovalley with materials from a small source area of mainly limestone nature. The Peñaverde-Remolina alluvial system is a fan-delta of greater size made up of siliceous and carbonate materials derived from a large and distal source area. Its facies and facies associations show that sheetflood was the main process for developing this fan and that the debris and hyperconcentrated flows were secondary processes. The main factor in the control of both mechanisms of transport in the two alluvial systems were the nature and provenance of materials, the climate and the tectonic setting being subordinate factors.

As for the development of the coal facies, the tropical and humid climate under which both alluvial systems formed contributed to the

development of peat swamps in the distal areas of the fans. These areas were of relatively reduced size and thickness due to the high volume of terrigenous input and also probably to the high subsidence rate of this sedimentary basin.

Coals from the Cea Group are vitrinite rich with variable proportions of inertinite macerals and scarce liptinite contents, the latter occurring in the case of less evolved coals. The mineral matter content is also variable, as is the coal rank ranging from high volatile bituminous coals to anthracite and meta-anthracite. The distribution of reflectances in the area studied shows an evolutionary trend from the West (bituminous coals) to the East part of the basin where the most evolved coals are found (anthracites and meta-anthracites) as can be seen in Figure 3. In addition to this high coal rank, the presence of natural coke and pyrolytic carbon as the newly-formed organic constituents in the more evolved coals points to a significant thermal alteration in this part of the basin. The development of an important optical anisotropy is due to the strong shear pressures in the lower unit of the Cea Group. All these characteristics suggest that the tectonism experienced by this basin influenced the coal rank and the physico-structural characteristics of the studied coals. The migration of fluids through the fault systems provoked the thermal alteration and the rank increase of coals in the eastern part of the basin. Igneous activity in this basin played a minor role in the evolution of coal taking into account that some intrusions were found in the area where the coals are less evolved (bituminous coal rank).

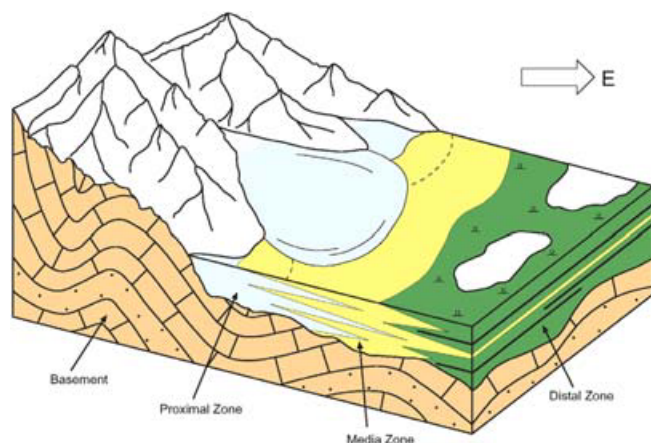


Figure 1. Duerna alluvial fan system

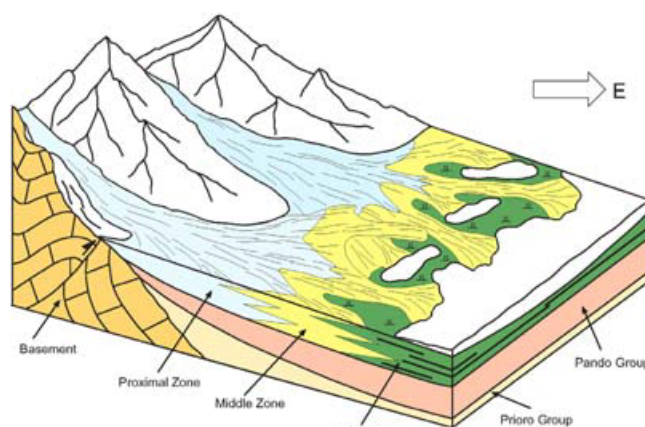


Figure 2. Peñaverde-Remolina alluvial fan system

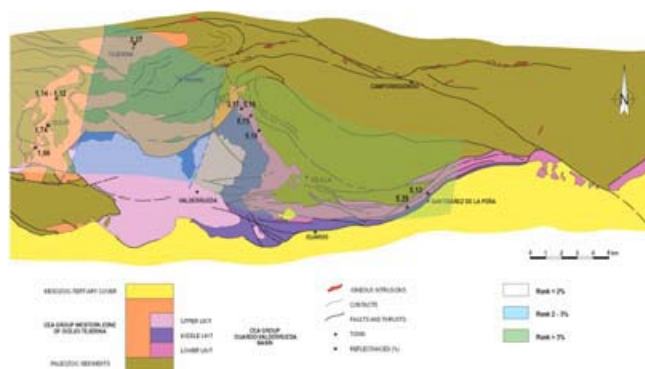


Figure 3. Distribution of coal rank in the Guardo-Valderrueda Basin (North Spain)

## Coal Seam Gas Development and CO<sub>2</sub> Sequestration in Low Rank Coals: Progress in New Zealand

Tim A. Moore<sup>1,2</sup>, Greg Twombly<sup>3</sup>, Sadiq Zarrouk<sup>4</sup>

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<sup>3</sup> Resource Development Technology LLC, P.O. Box 1020, Morrison, CO. 80455, U.S.A.; mailto:grettwombly@mindspring.com

<sup>4</sup> Department of Engineering Science, University of Auckland, Private Bag 92019, Auckland, New Zealand; mailto:s.zarrouk@auckland.ac.nz

Coal seam gas (CSG) exploration and development in New Zealand is still in its early phases. However field assessment is currently underway in the North Huntly coalfield of the Waikato region of New Zealand. The approach that Solid Energy NZ Ltd. and Resource Development Technology LLC have



taken through their joint venture vehicle Coal Bed Methane Ltd. is a three stage assessment for commerciality of the Huntly coalfield CSG project:

1. Initial evaluation of existing basin data,
2. Basin wide exploration drilling to establish gas contents and purity as well as water quality, and
3. A set of 5 closely spaced wells (appraisal wells) to test flow and resource character.

There are three main areas of technical development that are being targeted which will enable more accurate and cost beneficial development of CSG in this low rank coal:

1. Analysis of reservoir character (distribution, composition, fracture/pore systems, permeability),
2. Integration of these into multiphase gas flow models and
3. Use of enhanced methane development and recovery technology (CO<sub>2</sub>, methanogens).

Preliminary results have shown commercial quantities of gas in-place and gas purities of greater than 98% methane. Reservoir models also indicate that gas flow will be at economic rates. The next phase of development (currently underway) is five closely spaced (450m) production test wells to appraise the flow and permeability of the reservoir.

### **Preliminary results on combustion properties of low rank Brazilian coals based on laboratory scale drop tube furnace experiments and reactivity determinations**

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G. Simão<sup>1</sup>, W. Kalkreuth<sup>1</sup>*

<sup>1</sup> Instituto de Geociências, UFRGS, Porto Alegre, Brazil

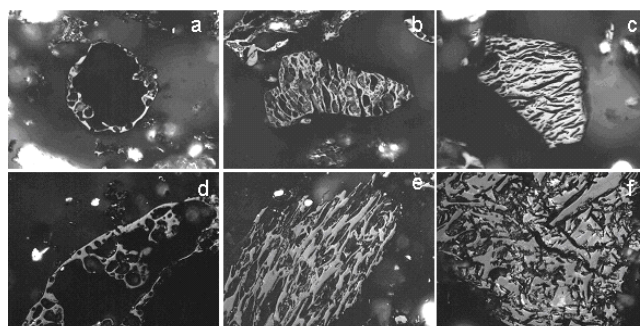
<sup>2</sup> Instituto Nacional del Carbon, CSIC. PO Box 73, 33080 Oviedo, Spain

In Brazil power stations are operating at current time using subbituminous high volatile bituminous coals. The preliminary results discussed at this point focus on results from petrographic and chemical analyses of feed coals at Candiota and Charqueadas (sub-bituminous), followed by laboratory scale combustion and reactivity tests and petrographic analysis of the chars.

The coals burned in both power plants were high ash (>40%), moderate in sulphur. In charqueadas

the composite coal had a balanced vitrinite/inertinite content whereas in Candiota vitrinite predominated over inertinite. Typically the coals individually sampled had a lower ash content than the coals sampled at the plant.

Combustion experiments in a laboratory scale Drop Tube Furnace (DTF) were carried out at 1300 °C temperature using a flow rate of 900 L h<sup>-1</sup> and a feeding rate of 1 g min<sup>-1</sup>. Coals were burned under an atmosphere containing 2.5 % oxygen in nitrogen. Conversion was calculated using the ash tracer as a mass balance between the ashes entering and leaving the reactor. Char reactivity was isothermally recorded at 550°C in a thermobalance. Although the coals were burned in the reactor under highly sub-stoichiometric oxygen concentrations relatively high conversions were achieved (between 44 and 64%) and most of the coals were in a narrow interval of 10% difference. The conversion of the individual coals which are burned at Charqueadas were lower than that of the blend indicating a positive effect of blending. This has been previously observed both at high and low temperature. The lower conversion of Candiota coal, slightly higher in rank than coal CH and with similar mineral matter content could be explained on the basis of its slightly higher rank. The coals generated particles in the reactor closely resembling those collected in the hoppers of the Power Plants. Figure 1 shows an example from Charqueadas char (Fig1. a-c) and unburned carbon in full scale fly ash burning the same coal (Fig. 1 d-f). Vitrinite from these coals typically yielded isotropic cenospheric particles (Fig. 1a and 1d) and the particles accumulated in the hoppers tend to be the largest ones. Inertinite generated either porous network structures (Fig. 1b and 1d) or massive particles (Fig. 1c and 1f). The inertinite-derived particles with moderated porosity development being more common. Most of the material observed



**Figure 1.** Images showing the char material (top) and the unburned carbon in the full scale fly ashes bottom

in the chars was isotropic revealing a disordered structure.

## Acknowledgment:

Financial support from Asturias Principality, Endesa and Spanish Ministry for education through the projects PC04-03 and PSE-2 and co-operative projects CSIC-CNPq (2005BR0054) is gratefully acknowledged (CNPq 400928/2003-5, 690100/02-7).

## Evolution of the optical properties of anthracites during graphitization

*Isabel Suárez-Ruiz, David González and Ana B. García*

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It is demonstrated that anthracites may graphitize when heated to temperatures above 2000°C and that graphite materials with an acceptable degree of structural order were obtained from anthracites at temperatures = 2700 °C. The most significant changes in the structure of the graphite materials prepared from anthracites were found to occur in the 2000-2700°C temperature range at it was demonstrated by the evolution of the crystallinity and orientation of the materials by means of X-Ray Diffraction and Raman Spectroscopy analysis. The present research is a new step in the study of the graphitization of anthracites and so, the objective of this work was to follow the graphitization processes of anthracites by optical microscopy. For that, two anthracites of different composition and rank (2.37 and 3.63% vitrinite reflectance) were carbonized at 1000°C. The carbonized samples were then heated within the range of 2000-2800°C in an inert atmosphere and at atmospheric pressure to obtain graphite materials. In this work the evolution of the graphitization process is evaluated by analyzing the optical properties related to the development of specific microstructures that are typical of graphites and the changes in the texture and structure of the samples during the process, as determined by the main RIS axes ( $R_{MAX}$ ,  $R_{INT}$ ,  $R_{MIN}$ ), the RIS parameters (Rev, Rst, Ram) and the anisotropy indices in the materials obtained at different temperatures following the analytical procedures described in Kilby, (1988, 1991), Duber et al. (2000), and Pusz et al. (2002). At temperatures higher than 2000°C, micro-spheres, crystalline

aggregates and flakes were generated in different proportions in the materials prepared from both anthracites. However, the irregular and massive structures detected in the carbonized samples remain predominant constituents throughout all the stages of graphitization. The main axes of the Reflectance Indicating Surface, the RIS parameters and anisotropy indices determined in this type of particles display a maximum or a minimum in their evolutionary trends for the 2400-2500°C temperature range in both series of graphitization. Beyond this temperature an irregular evolutionary trend was observed for the various optical parameters. This confirms that these temperatures are critical stages in the preparation of graphite materials when the precursors are carbonized samples of anthracites as it was demonstrated by the good agreement among all the obtained data. Optical microscopy is a valuable tool for evaluating the process of graphitization.

## References

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- Kilby, W. E. (1991). Vitrinite reflectance measurement-some technique enhancements and relationships. *International Journal of Coal Geology*, **19**, 201-218
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- Pusz, S., Duber, S. and Kwiecinska, B. (2002). The study of textural and structural transformations of carbonized anthracites. *Fuel Processing Technology*, **77-78**, 173-180.

## Know Your Coal Petrologist #25



*We all know Angeles, Deolinda, Antonis and Ivana but who is trying to hide behind the cricket hat? See if he scored a duck on page 58.*

**Now available**

## **ICCP Training Material on Vitrinite Reflectance Measurements in Dispersed Organic Matter**

The Qualifying Vitrinite for DOM Reflectance Analysis working group is pleased to present a set of documents and samples which constitute excellent training material for learning about the appearance of dispersed vitrinite in rocks and about the measurement of its reflectance. The training set consists of a CD and four mounted samples (Figure 1), although the CD alone can be also of interest. The CD contains the results achieved in the WG during the course of three round robin exercises and allow you to perform the analysis and test your results against the pool.

The WG has been rather successful and always had over 17 participants. The statistical significance of the results is therefore high.

The objective of the WG was the establishment of a system to classify dispersed vitrinite particles according to their quality for reflectance measurements. A system proposed by J. Koch in 1999 was initially discussed. The first round robin of the WG (2002) consisted on the classification of vitrinite images according to an agreed qualifying system in which Q1 represented the highest quality and Q5 the lowest one. In the next year an improved system was tested with slightly modified definitions also based on images. More than 300 images of vitrinite from source rocks and oil shales of different origin and maturity and its quality classification derived from the interlaboratory exercises

are included in the CD. The layout is shown in Figure 2. The information on the origin of the sample and results of assignments are only shown when the bottom (i) is clicked and therefore the person visualizing the image has the time to take a decision about the particle. The results of the 2003 exercise were good enough for testing the system on microscopy samples. The last exercise (2004) consisted on the analysis of four samples of different origin and organic matter type.

In summary, the CD contains the individual classification of the images, the conclusions of each exercise as published in the ICCP news and in the International Journal of Coal Geology and the datasheets, which allow any new participant to test their results against the group.

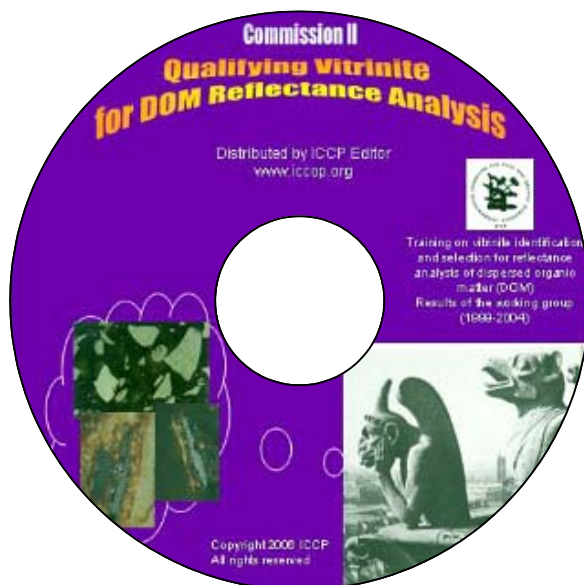
### **CD Content**

The programs used to prepare the documents are the Microsoft Office Suite. You still will be able to run the Power Point presentations and open the \*.pdf documents without the microsoft programs but they are needed to operate the excel documents.

**Read me first** (it is a file which explain you the CD content and allow you the access to the files)

### **CD Exercise 2002**

**Vitrinite particles classified in 2002** (Power



**Figure 1.** Training set of the Qualifying vitrinite for DOM reflectance analysis WG of the ICCP



Point presentation with individual images and results)

**Datasummary 2002 CD** (Excel spread sheet with the results of the participants)

**ICCP News 29 Qualifying Vitrinite 2002 Report** (ICCP News publication)

**Training 2002**

**Instructions 2002 exercise** (word document with instructions to perform the exercise)

**Exercise 2002** (Power Point presentation with images to be classified)

**Report sheet 2002** (excel sheet to report your results)

## CD Exercise 2003

**Vitrinite particles classified in 2003** (Power Point presentation with individual images and results)

**Datasummary 2003 CD** (Excel spread sheet with the results of the participants)

**ICCP News 31 Qualifying Vitrinite 2003 Report** (ICCP News publication)

**Training 2003**

**Instructions 2003 exercise** (word document with instructions to perform the exercise)

**Exercise 2003** (Power Point presentation with images to be classified)

**Report sheet 2003** (excel sheet to report your results)

## Microscopy Exercise 2004

**CS sample**

**PT sample**

**IS sample**

**PS sample** (excel sheets with the data and histograms of the samples)

**Influence of particle and surface quality on DOM vitrinite reflectance** (Power Point Presentation summarising the results)

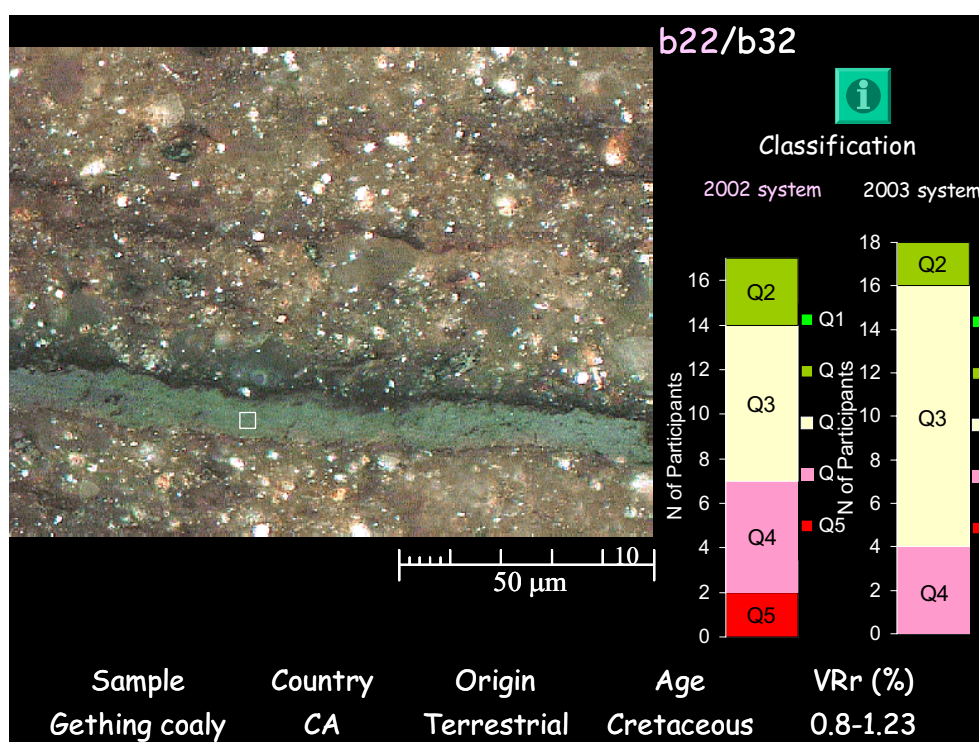
**COGEL 68** (Publication in the International Journal of Coal Geology)

**ALAGO 2006** (Publication for the Latin American Congress on Organic Geochemistry)

**Instructions Microscopy Exercise** (word document with the instructions to measure the vitrinite reflectance of the samples)

The Training set is available through the ICCP editor (Peter Crosdale) at a cost of \$150US for non-ICCP members and \$50US for ICCP members. The CD alone can be acquired for \$20US.

Full details for purchasing can be found on page 60 of this issue.



**Figure 2.** Example of the vitrinite images and the sort of information provided about each image in the CD

## Now available

# Atlas of Anthropogenic Particles

A digital atlas of anthropogenic particles is available for distribution. The atlas has been put together by Commission II ICCP working group "Environmental Applications of Coal and Organic Petrology."

The atlas includes 543 images compiled from 2002 to 2005. Most images were taken under a reflected light microscope (both with dry objective and in oil), although some images are included from scanning electron microscopes (SEM) and transmission electron microscopes (TEM). Only images from well-defined sources are included in the atlas, but the details of each description vary, depending upon the level of confidentiality related to the source.

The main purpose of this atlas is to help to identify and describe anthropogenic particles from any environment or site of deposition and determine their source. To serve this purpose, images are grouped into two sections: 1) anthropogenic particles classified by source, including particles from well-defined sources (for example, power plants, coke plants); and 2) anthropogenic particles classified by the site of their occurrence (for example, soil, air, water).

The following table shows structure of the atlas and the number of images included.

<b>1. Anthropogenic particles grouped by source</b>	<b>No.</b>
1.1. Combustion-derived particles	106
Fly ash - Organic	
A) Partially combusted coal	2
B) Coal-derived isotropic char	25
C) Coal-derived anisotropic char	13
D) Non-coal char	12
SEM images of fly ash	14
Fly ash - Inorganic	
E) Glass	10
F) Spinel Group	10

G) Other minerals	6
Bottom ash/boiler slag	14
1.2. Carbonization-derived particles	81
A) Partially carbonized coal	5
B) Semi-coke	3
C) Metallurgical coke	26
D) Petroleum coke	24
E) Pyrolytic carbon	7
F) Coal tar pitch	16
1.3 Manufacture-derived particles	34
A) Graphite	20
B) Carbon fiber	10
C) Biomass carbon	4
1.4 Other	20
A) Autobrake material	6
B) Fuel soot	6
C) Baked carbon anode	8

## 2. Anthropogenic particles grouped by site of occurrence

2.1 Atmospheric particles	20
2.2 Soil/peat particles	179
A) Coal particles	66
B) Char particles	51
C) Coke particles	32
D) Inorganic particles	18
E) Other	12
2.3 Water sediment particles	103
A) Coal particles	16
B) Char particles	11
C) Coke particles	31
D) Inorganic particles	30
E) Other	15
<b>Total</b>	<b>543</b>

The Atlas of Anthropogenic Particles is available for purchase from ICCP (details page 60) and the Indiana Geological Survey, Indiana University <http://igs.indiana.edu/survey/bookstore/index.cfm>. Price: \$20 US + \$5 US packing and handling.

Full reference: *Atlas of Anthropogenic Particles, 2006. An Environmental Application of the Organic Petrology Working Group, International Committee for Coal and Organic Petrology (ICCP), Indiana Geological Survey Open-File Study 06-01.*

The CD system requirements are:

- \* Intel® Pentium® processor-based personal computer or higher,
- \* Microsoft® Windows 2000, Windows XP, and PowerPoint 2000 or later
- \* 256 MB of available RAM on Windows® 2000 and Windows® XP
- \* 75 MB of available hard-disk space
- \* CD drive
- \* VGA monitor (SVGA recommended, 800 X 600 screen resolution minimum with high-color 16-bit mode)
- \* Mouse or other pointing device

The CDs have not been tested to see if they are Mac compliant. The CD user-interface will not run on a Mac, however, the PowerPoint file on the CD should open on a Mac.

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## ICCP Services

### ★ ICCP Reflectance Standard

For more information contact the Commission I chair Dr. Walter Pickel:

Director - Organic Petrology  
Coal & Organic Petrology Services Pty Ltd  
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- Maceral Group Analysis of Coals  
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mailto:christan@upatras.gr
- Vitrinite Reflectance of Coals  
convenor: Dr Kimon Christanis
- Vitrinite Reflectance of Dispersed Organic Matter  
convenor: Dr Alan Cook  
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Keiraville  
NSW 2500  
Australia  
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- 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  
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**2007 Joint Annual Meeting of  
The International Committee for Coal and Organic Petrology  
(ICCP, 59<sup>th</sup> Annual),  
The Society for Organic Petrology (TSOP, 24<sup>th</sup> Annual) and the  
Canadian Society for Coal and Organic Petrology (CSCOP, 31<sup>st</sup> Annual)**

**Victoria, British Columbia, Canada  
August 19-25, 2007**

**Tentative Schedule**

Time	Sunday August 18	Monday August 19	Tuesday August 20	Wednesday August 21	Thursday August 22	Friday August 23	Saturday- Sunday August 24-25
08:00-08:30		ICCP Plenary Session	ICCP Commission	TSOP Technical Session  Session 1	TSOP-CSCOP Dr. Goodarzi Tribute Session III	ICCP Commission	Field Trip - To be announced  Possible trips:  1. Fraser River Delta  2. Intermontaine Coal basins  3. Geology of North Vancouver to Whistler
08:30-09:00							
09:00-09:30							
09:30-10:00							
10:00-10:30							
10:30-11:00	Council Meetings	ICCP Commission	ICCP Commission	TSOP Technical Session  Session II	TSOP- CSCOP Dr. Goodarzi Tribute Session IV	ICCP Commission	
11:00-11:30							
11:30-12:00							
12:00-13:00							
13:30-14:00							
14:00-14:30		LUNCH	LUNCH	TSOP Business Lunch	ICCP-TSOP- CSCOP ?Co- sponsors “Applied” Technical Session	ICCP Commission	
14:30-15:00							
15:00-15:30							
15:30-16:00							
16:00-16:30		ICCP Commission	ICCP Commission	TSOP-CSCOP Dr. Goodarzi Tribute Session I	ICCP-TSOP- CSCOP ?Co- sponsors “Applied” Technical Session	ICCP Commission	
16:30-17:00							
17:00-17:30							
17:30-18:00							
18:30-19:00							
19:00-19:30	Ice Breaker & Council Meetings			TSOP-ICCP Posters I	TSOP-ICCP Posters II	ICCP Plenary session Session	
19:30-20:00							
20:00-20:30							
20:30-21:00							
21:00-23:00							

**Venue:** University of Victoria, Campus Convention Center;

**Accommodation:** University of Victoria Residence; Queen Victoria Hotel; Shamrock Suites on the Park; Helms Inn at Beacon Hill Park

**Organizing Committee co-chairs:** Lavern Stasiuk (Geological Survey of Canada; <mailto:lstasiuk@nrcan.gc.ca>) and Andrew Beaton (Alberta Geological Survey; <mailto:Andrew.Beaton@gov.ab.ca>).

**Financial:** Judith Potter (JP Petrographics; <mailto:JPP@sitogeo.com>) and Jennifer Pearson (Pearson and Associates; <mailto:jen@coalpetrography.com>)

**Field Trips:** Tom Gentzis (CDX Canada Ltd.; <mailto:tgentzis@cdxcanada.com>), Willem Langenberg (Alberta Geological Survey; <mailto:Willem.Langenberg@gov.ab.ca>)

**Social:** David Marchioni (PetroLogic; <mailto:cbm@shaw.ca>), Jennifer Pearson, Lavern Stasiuk, Judith Potter, Michelle Hawke (BP)

**Technical Session on "Back to Coal" chairs (TSOP-CSCOP-ICCP):** Drs. David Marchioni, Wolfgang Kalkreuth (Universidade Federal do Rio Grande do Sol; <mailto:00009881@ufrgs.br>) and Fari Goodarzi (<mailto:fgoodarz@nrcan.gc.ca>)

## Answer to Know Your Coal Petrologist #24 and #25

We can only guess what has been said between **Jack Burgess** (left) and **Vern Stasiuk** (right) (KYCP #24) at the 1999 Bucharest meeting. However, it is not likely to be related to the classification of dispersed organic matter, where we know there is complete agreement!

After a long trip to the mine at Bukit Asam, **Paddi (Padmasiri Ranasinghe)** (KYCP #25) has decided to pull up stumps and declare his innings closed. Rumours that he was out for a duck after being caught at short fine leg following a thick edge on a wrong'un proved to be unfounded. Fortunately for Paddi, no record remains of his earlier triumphs during this excursion at Karaoke.

## Images of Bandung 2006



*Enjoying the opening Plenary Session were Paddi (L), Deolinda, Walter, Ivana and Kimon (R)*



*At the icebreaker, Stavros (L) is being told what is what by his supervisor, Kimon, (R). Dirk, Cristina, Carlos and Deolinda are avoiding the discussion*



*Antonis (L), Kimon and Isabel wait for the Lower Rank Coals Symposium to begin*



*Curiously, many evenings were spent dining in a Japanese restaurant*





*Paddi (L) and Ivana wonder who has bought the most souvenirs on Tangkuban Perahu*



*Angeles and Petra are clearly amused at the suggestion that they might like to perform the next karaoke*



*Peter (L) advises Dirk that throwing water into the volcano will not really help if there is an eruption*



*Continuing the earlier discussion at the icebreaker, Kimon (L) now advises Stavros that he is carrying a very large lump of coal. Other visitors to the mine choose to ignore this warning*

## WHAT'S HAPPENING

**30 April - 3 May 2007**

**Coal Prep 2007**, Lexington KY, USA

<http://coalaggprepshow.com/>

**7 - 11 May 2007**

**WOCA - World of Coal Ash**, Covington KY, USA

Contact: Jim Hower

<mailto:hower@caer.uky.edu>

<http://www.worldofcoalash.org/>

**18 - 25 August 2007**

**ICCP / TSOP / CSPC**, Victoria, Canada.

Contact: Vern Stasiuk

<mailto:lstasiuk@nrcan.gc.ca>

See pages 57 -58 of this issue

**28 - 31 August 2007**

**2007 International Conference on Coal Science and Technology: ICCS&T**, Nottingham, UK.

<mailto:Colin.snape@nottingham.ac.uk>

<http://www.2007iccst.org/>

**10 - 14 September 2007**

**23<sup>rd</sup> International Organic Geochemistry Meeting (IMOG07)**, Devon, England.

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

**10 - 14 September 2007**

**24<sup>th</sup> Annual International Pittsburgh Coal Conference**, Johannesburg, South Africa.

<mailto:pitt2007@sasol.com>

**15 - 19 November 2007**

**World Energy Congress**, Rome, Italy.

<mailto:miket@pennwell.com>

<http://www.rome2007.it>

### **Planned Future ICCP Meetings**

2008 Oviedo, Spain

2009 Porto Alegre, Brazil

2010 Belgrade, Serbia

## ICCP Publications

ICCP publications are available from the designated officer as below. Payments are made to the Treasurer. Please contact BOTH the relevant officer and the Treasurer with your enquiry. Orders will only be processed after advice is received from the treasurer that payment has been received.

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## ICCP Handbook

- ★ *International Handbook of Coal Petrography 2<sup>nd</sup> Edition (1963)* (in English) as CD ROM  
PC and Mac Compatible  
Requires Adobe Acrobat Reader Ver. 4 or above  
ICCP / TSOP member - \$25US (including postage)  
ICCP non-member - \$50US (including postage)
- ★ *International Handbook of Coal Petrography, supplement to the 2<sup>nd</sup> edition*, second print (in English) 1985 US\$30
- ★ *International Handbook of Coal Petrography, 2<sup>nd</sup> supplement to the 2<sup>nd</sup> edition* (in English) 1986 US\$10
- ★ *International Handbook of Coal Petrography, 3<sup>rd</sup> supplement to the 2<sup>nd</sup> edition* (in English) 1993 US\$20

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## 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: \$25USD including postage

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ICCP Editor  
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## 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 \$50USD including postage (ICCP / TSOP member)  
CD + polished sample set \$150USD including postage (non-members)  
CD only \$20USD

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