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ICCP Meeting 2014 Kolkata

Boris Alpern

6th August 2014

inside this issue

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From the Editor

You will have noted that this edition of the ICCP News is very late and numerous important deadlines and announcements have been missed. Amongst these are:

Elections for a new Editor

Elections for a new President

Announcement of the 2015 Training Course

Details of the upcoming meeting in Potsdam

Submission of Abstracts for Potsdam

Nominations for the Thiessen Medal

Announcements from sister organisations

I hope that the people involved will be able to accommodate late submissions for some of these items where this is possible. I encourage members to visit our website for the latest details.

In an attempt to redress some of these issues and to get the minutes of the last meeting published, a number of items will still be outstanding in this issue, particularly the introduction of new members.

I expect to have another newsletter available in mid July.

Hoping to see you in Potsdam

Peter

Institutional Members of ICCP

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From the President

Dear colleagues,

This edition of the ICCP News comes rather late after the meeting; nevertheless we hope you will enjoy reading it.

The meeting in Kolkata was a great experience - very well organised by CSIR-Central Institute of Mining & Fuel Research of Dhanbad. My grateful thanks go again to the Organising Committee represented by the Director of the Institute, Dr. Amalendu Sinha and the Chair of the Organizing Committee and Dr. Ashok K. Singh.

The preparations for the Potsdam meeting have started and invitations have been sent to all members of ICCP. I hope that many of you can attend the meeting. Please check the website for more detailed information and registration. More information on the venue and the meeting will be published in the next issue of the ICCP News.

Two elections are currently running - the positions of President and Editor of ICCP are vacant. Voting papers have been sent out to all full members. The candidates gave their visions for the future developments of ICCP. I strongly encourage you to take part in the elections!

With best wishes

Petra David
ICCP President

Know Your Coal Petrologist #55

Although many will think the beer is a valid contender for KYCP, there are in fact only 2 people to pick. *Answer page 45*

Boris Alpern (1921-2014)

Boris Alpern was born in Paris on August 19, 1921, and after secondary schooling and a short period at the University of Marseille, he studied at the University of Paris: Graduation (*Sciences Naturelles*) in 1945, two Master degrees (*Diplôme d'Etudes Supérieurs* in 1951, and *Diplôme de Géologue Prospecteur* in 1952), and Ph D degree (*Doctorat d'Etat en Sciences Naturelles*) in 1957.

From 1945 to 1952 he developed activities in prospecting and exploration of French uranium deposits at the *Commissariat à l'Energie Atomique*.

In 1952, Boris Alpern joined the *Centre d'Etudes et Recherches des Charbonnages de France* - (CERCHAR) at Verneuil-en-Halatte, Creil, where he developed an important scientific career as Researcher during 26 years, i.e, until 1978. In the fifties he visited and undertook training in Germany with E. Stach, M. Th. Mackowsky and M. Teichmüller.

In 1978 he joined the Research Group on Fossil Fuels at the University of Orléans, France, and was appointed Full Professor at this University in 1981, proceeding to establish the *Groupe des Pétrographes Organiciens Francophones* in 1984.

Boris Alpern was one of the founding members (1953) of the International Committee for Coal an Organic Petrology – ICCP, in the scope of which he developed an intense activity, participating in the majority of the annual meetings until his full retirement in 2000. Since the very beginning of the Organization, Boris Alpern was committed to all activities in the two initial ICCP Committees (Nomenclature and Methods of analyses) and was responsible for the French edition at the *Centre National de la Recherche Scientifique* (CNRS) of the following issues of the International Handbook of Coal Petrology: 1st (1957), 2nd (1963), Supplement to the 2nd edition (1971), and 2nd Supplement to the 2nd edition (1976). He created several ICCP working groups such as Vitrinite, Dispersed Organic Matter (DOM), Coal Classification, Petrography of coke, to mention a few. From such initiatives, some important revisions and new concepts were proposed and internationally adopted, such as the 1971 ICCP revision of vitrinite macerals, the evolutionary scheme of huminite constituents in vitrinite macerals, and the concept of migrabitumen.

Boris Alpern was President of the ICCP during the period 1983-1987 and, subsequently, was appointed as ICCP Honorary Member.

He was awarded with the most important prize in the field of Organic Petrology and Geochemistry: The Reinhardt Thiessen Medal (1975).

Besides research, Boris Alpern was gifted with exceptional teaching qualities, and since the beginning of his professional activity in 1945, always participated in teaching commitments. In the period working in the CERCHAR he was also invited Professor at the University of Paris (Coke Petrography, Fossil Fuels and Palynology) and Nancy, as well as, at overseas Institutions (Brazil, Portugal. Venezuela and former USSR).

During his full career as researcher and professor, Boris Alpern supervised a total of 18 PhD theses (6 at CERCHAR, and 12 at the University of Orléans).

Boris Alpern published a total of 129 issues, including books, book chapters, papers and congress proceedings covering all domains of Organic Petrology and Geochemistry, as well as, Carboniferous and Permian Stratigraphy and Palynology.

During his brilliant career Boris Alpern was awarded with other important marks of honour, among them we refer to the Paul Bertrand Prize of the Academy of Sciences of Paris (1965) and the Doctorate *Honoris Causa* by the Faculty of Sciences, University of Porto, Portugal (1987).

As said, Boris Alpern performed research activities and published in all domains of Organic Petrology and Geochemistry, viz.: Petrography, Nomenclature, Methods of analyses, Coke making, Coke petrography and the role of macerals and microlithotypes in coke formation, Combustion, Mine outbursts, Oil shale valorization, Cleat system, etc. In this regard, it should be emphasized that, together with Marlies Teichmuller, they were

the *precursors* of the detailed study of DOM and kerogen petrography and maturation parameters with application to basin analysis and to modern methods for hydrocarbons prospecting and exploration. In this regard, he organized (Paris 1973) the *Colloque international de la Matière Organique des Sédiments, relations avec la Paléotempérature et le Potential Pétrolier* largely participated at an international level. Boris Alpern was, also, the author of a proposal for a Fossil Fuels/Coal Classification system, first elaborated in 1979 at CERCHAR and further adopted by the French Government and submitted to the United Nations, European Commission of Europe (UN-ECE) as a proposal for an international classification system. After intense discussions and with some modifications the system was published as an international standard by UN-ECE (International Classification of In-Seam Coals, ECE-UN Doc.ENERGY/1998/19, Geneva 1998). The system was subsequently used as the basic document for discussion by ISO Coal Classification Working Group in view of the elaboration of an international ISO standard. After further simplifications, yet keeping the initial basic principles, the final result was the current ISO Standard 11760 – Coal Classification (2005).

Boris Alpern with members of the Orléans Petrographic Group and visiting friends. From left to right: B. Pradier (France), Nancy Ng (Australia), H.J. Pinheiro (South Africa and Portugal), W.Fermont (The Netherlands), L. Martinez (Mexico) and J.Nahuys (Brazil). *Photo M. Lemos de Sousa (1985)*

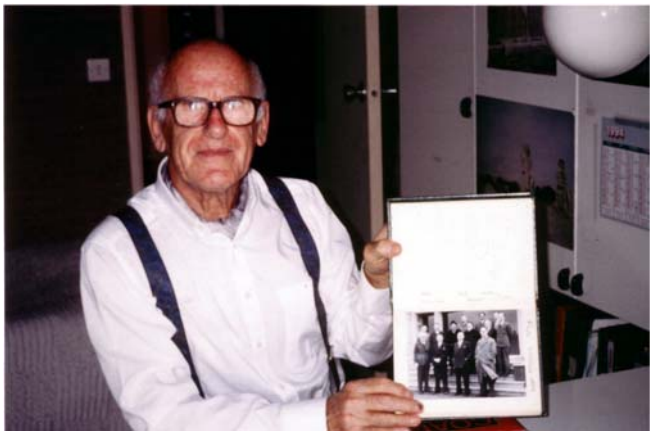
Another important domain to which Boris Alpern turned his attention was the Carboniferous and Permian Stratigraphy and, mainly, the Upper Palaeozoic Palynology. In this particular domain some new important precisions were introduced by Boris Alpern regarding the concepts of species and biozone together with the description of new species and the revision of important palynomorph groups (for example, Palaeozoic Monoletes which revision was performed in the seventies in collaboration with J. Doubinger.

During the period 1958-1967 he was President of the *Commission Internationale de Microflore du Paléozoïque* (CIMP), and also appointed as *Directeur de Recherches pour la Palynologie du Paléozoïque* at CNRS. Under his leadership of the CIMP six monographic studies were issued with regard to the so-called Palaeozoic Organic Microfossils: Chitinozoa (2 vols), Acritarchs (1 vol.) and Spores (3 vols).

At the very end of this career Boris Alpern developed studies in the scope of Coalbed methane in France, studying different coalfields for that purpose: Lorraine and Lons-Le-Saunier.

Boris Alpern passed away on August 6, 2014, at Le Bourg, Mezières-en-Gâtinais, Bellegarde at the age of 93 years. With the death of Boris Alpern we lost one of the most distinguished Organic Petrology and Geochemistry scientists. His personal "Golden Book" with photos and written testimonies and statements of visiting people of Alpern's laboratories, both in CERCHAR and at Orléans, are the proof of the high scientific consideration and personal esteem held by Alpern's Colleagues all over the World. The Alpern's "Golden Book" opens with a photo of Clarence A. Seyler with aspect of deep thinking in which Alpern added the following legend "Why coal is black ?" and refers to a meeting of the ICCP Committee of Methods of analyses in October 30, 1957 with the signatures of participants including Marie C. Stopes. The book ends with reference to a meeting regarding Coalbed methane in Lorraine Basin, dated June 19, 1995.

Porto, October 2014.
Manuel J. Lemos de Sousa



Alpern in 1994 with the well known picture of the first ICCP Meeting, which he attended. *Photo Paul Lyons*

66th ICCP Meeting
Science City, Kolkata, India

20th - 27th September 2014

organised by

CSIR - Central Institute of Mining & Fuel Research
Council of Scientific and Industrial Research,
Ministry of Science & Technology, Government of India
Barwa Road, Dhanbad-826015, India

General Course of the Meeting

The 66th meeting of the ICCP took place in Kolkata (India) from 20th to 27th September 2014. The venue was the Science City of Kolkata which had a fully equipped auditorium of the required size and nearby auxiliary rooms for smaller meetings.

The meeting was hosted by CSIR-Central Institute of Mining & Fuel Research of Dhanbad, with the Director of the Institute (Dr. Amalendu Sinha) the Chair of the Organizing Committee and Dr. Ashok K. Singh the Organizing Secretary & Convener of the Organizing Committee. Members of the Organizing Committee from CSIR-CIMFR Dhanbad were: Mr. A.K. Ghosh, Mr. Ashim Choudhury, Dr. L.C. Ram, Dr. A.K. Varma and Dr. P.K. Singh, from BHU Varanasi: Prof. M.P. Singh and from BSIP Lucknow: Dr. B.D. Singh and Dr. A. Singh supported the organization. It was a pleasure to meet again after a number of years, so many Indian ICCP members. Mrs Nandita Choudhury was leading the working committee being supported in this task by Dr. V.K. Singh, Dr. S.G. Chaudhuri, Mr. Santosh K. Singh, Mr. B. Ghosh, Mr P. Boral, Mr N.K. Shukla, Mr. Saroj Kumar, Mr Ravi Shankar, Mrs. Priya Kumari and Ms Neelam Kumari. We are grateful to all of them for every effort.

Activities started on Saturday afternoon with a Council Meeting at 15:00 in the Science City, which was followed by a welcome dinner. Sessions started on Sunday morning with an opening ceremony. In the opening table Harbans Singh (General Director of the Geological Survey of India), A. N. Sahay (CMD MCL), and the organizers Amalendu Sinha and Ashok K. Singh expressed welcome words, stressed the importance of coal in the energy share of India and wished the participants in the ICCP Meeting and Symposium fruitful discussions and significant advances. The

President and General Secretary of the ICCP thanked the organizers for hosting the meeting and stressed the opportunity to share knowledge and discussions with the many Indian colleagues working in organic petrology. In traditional ceremonies, the participants in the opening table received a ceremonial shawl and all together burned a candle to ensure good luck in the development of the sessions. The first Plenary Session opened with the President Petra David in the Chair. A preliminary schedule for the meetings of the General Assembly of the ICCP was published in the ICCP News # 60 and covered the following topics:

1. Apologies for non-attendance
2. Minutes of previous meeting
3. Arrangements for Kolkata meeting
4. Future meetings
5. Membership
6. Elections
7. Editor's report
8. Financial matters
9. ICCP Accreditation program
10. ICCP Training Subcommittee
11. Registration and Revision of Statutes
12. Website
13. Short reports from the Commission Meetings
14. Short report from the Council Meeting
15. ICCP Awards
16. Thanks to the Organising Committee
17. Arrangements for 2015 Meeting
18. Others

Topics 1 to 10 were covered in the Opening Plenary session and some of them (topics 4, 5, 6, and 10) were discussed again in the Closing Plenary session. Topics 11 to 19 were covered in the Closing Plenary session.

1. Apologies and Other Attendance Matters

Jennifer Pearson (CA), Dave Pearson (CA), Alan Davis (US), Paul Hackley (US), John Crelling (US), Maria Mastalerz (US), Harold Smith (UK), Rosa Menéndez (ES), Diego Álvarez (ES), Javier G. Prado (ES), Angelika Vieth (DE), Olga Patricia Gómez López (CO), Yoshi Uijié (JP), Cristina Rodrigues (PT), Joana Ribeiro (PT), Georgeta Predeanu (RO), Cornelia Panaitescu (RO), Maria Doria Ghiran (RO), Elena Karmazina (AU), Madd Todd (AU), Lila Gurba (AU), Heike Lizio (DE), Maria Mastalerz (US), Noe Piedad Sánchez (MX), Kuili Jin (CN), Yuegang Tang (CN), Shaoquin Wang (CN), Carla Araujo (BR), Manuela Marques (PT), Georges Siavalas (NL), Kimon Christanis (GR), Maria Hamor-Vidóm (HU), Colin Ward (AU), Sandra Rodrigues (AU), Nikki Wagner (SA), Claus Diessel (AU), Aivars Depers (AU), Harold Read (AU), Elisabeth Gawronski (AU).

As Jennifer Pearson was unable to attend the meeting, Peter Crosdale presented the Treasurer's report on her behalf. Jolanta Kus, Secretary of Commission II and acting Chair during the year, was acting as Chair and Brett Valentine was appointed as acting Secretary for Commission II.

Lighting a lamp at the opening ceremony Dr Angeles Borrego (L), Dr Petra David, Dr Harbans Singh (Director General GSI) and Dr A.K Singh (R)

2. Minutes of the Sosnowiec Meeting

The President asked the Plenary Session for confirmation of the minutes of the 65th ICCP Meeting held in Sosnowiec, Poland, as published in the ICCP News #58, which was approved as an accurate record of the meeting.

3. Arrangements for Kolkata Meeting

Dr. Ashok K. Singh indicated that no significant changes were planned compared to the published schedule and that the timing of the events was going to be provided on a daily basis.

4. Future Meetings

Venue for the 2015 Meeting: Potsdam, Germany
The 67th ICCP Meeting was initially accepted to be held in Maputo, Mozambique following the invitation of Professor Lopo de Sousa e Vasconcelos. During the year he advised about some unstable political situation in Mozambique that would recommend postponing the meeting there. The hosts of the Sulaymaniyah proposal for 2016 were contacted to advance the proposal to 2015 and Professor Polla Khanaqa made the necessary arrangements to do so. Nevertheless, the developments close to the summer and afterwards in the region make inviable to go to Kurdistan in 2015. The organizers of the ICCP courses in Potsdam have agreed to host the ICCP meeting also there, and therefore a proposal was received and accepted by Council to hold the 67th ICCP Meeting in Potsdam. The meeting will be organized by the German Research Centre GFZ, Potsdam and Wintershall Holding GmbH and will take place at the Meeting Centre of GFZ in the Telegraphenberg from 6th to 12th September, 2015.

68th ICCP Meeting in 2016 in Houston, USA in connection with TSOP and AASP. The Meeting will be held in connection with the 33rd Meeting of The Society for Organic Petrology (TSOP) and the 48th Meeting of the American Association of Stratigraphic Palynologists (AASP). The preliminary proposal comprised parallel sessions AASP-ICCP and one joint session of the two organizations during the two first days of the week, and ICCP sessions combined with TSOP sessions during the three following days. A pre- and a post-conference trip are also planned. The initial schedule was planned for mid-to-late October but it has been agreed to have it before the end of September.

69th ICCP Meeting in 2017 in Sulaymaniyah, Kurdistan The invitation to hold the meeting in Suleymaniye was re-scheduled to 2017 and it was accepted to have the meeting there if the situation is calmed by the time of the 2016 Meeting. Professor Polla Khanaqa made a presentation informing about the details to travel, the facilities there and the options for geological excursions.

At the opening eremony, Dr Ashok. K. Singh (L), Dr Amalendu Sinha (Director CIMFR) and Dr Harbans Singh (Director General GSI) (R)

5. Membership Matters

Six Applications for Associate membership have been received during the year and one additional application was received during the meeting. In addition, four applications were received for advancement to Full Membership and one additional application is a re-admission as Full Member. All applications were recommended for acceptance and were approved by the General Assembly. Three resignations were received.

5.1 Associate membership

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

Dr. Paula Alexandra Gonçalves (A1, 2) Portugal. ICCP News #59
Dr. Yulin Li (A3) Canada. Introduced in ICCP News #59
Dr. Humberto Carvajal (A2) USA. Introduced in ICCP News #59
Mr. Brett Valentine (A1,2) USA. Introduced in ICCP News #60
Ms. Agnieszka Furmann (A2) USA. Introduced in ICCP News #60
Mr. Keno Lunsdorf (A2) Germany. Introduced in ICCP News #60
Dr. Runcie Paul Mathews (A1, 2, 3) India. To be introduced

A short introduction of the new associate members based on their applications and CVs was given to the audience. Six of the new members have already been introduced to the membership in previous ICCP Newsletters, as indicated in the list above. A summary of the remaining profiles is given in Appendix 3.

5.2 Full Membership

Four active Associate Members of the ICCP applied during the meeting to promotion to Full Members and one ex-member of the ICCP applied for re-admission:

Dr. Judy Bailey, Australia (re-admission)
Dr. Thomas Gentzis, USA
Dr. Antonis Bouzinos, Australia
Dr. Polla Khanaqa, Irak
Ms. Taissa Rego Menezes, Brazil

5.3 Resignations

Maristela Bagatin da Silva (Brasil) and Casiani Papanikolau (Greece) resigned prior to the meeting and Barry Clark (Australia) and Kees Kommeren (The Netherlands) did after the meeting.

5.4 Expiring Membership

According to the treasurer's report 4 members of the ICCP will lose the membership at the end of 2014 (last year paid 2012). A last effort will be perform to contact the members before the end of the year.

5.5 Other Membership losses

We have lost since the last ICCP Meeting three long standing members of the ICCP, some having served for many years in the institution in relevant positions and outstanding organic petrographers whose names and contributions are part of the development of organic petrology: Duncan G. Murchison (ICCP News #58), Helmut Jacob (ICCP News #59) and Boris Alpern (This issue). The audience was asked to stand and keep a minute of silence in their memory.

6. ELECTIONS

The results of the elections for the position of Vice-President, together with the profiles of the candidates were published in the ICCP News # 59. The results were also presented to the General Assembly. Both candidates were thanked for standing for the position and Peter Crosdale was welcomed as Vice-President. At the Opening Plenary session of the General Assembly, the positions which needed replacement were indicated and the members were asked to think on suitable candidates. As the attendance of members to the meeting was rather limited, the President sent an email to the membership to ask for suggestion of candidates. At the Closing Plenary session the candidates for the positions proposed by Council after hearing the membership were presented and the audience was asked for additional candidates. The positions to be full-filled and the corresponding candidates are listed below:

President:

Lopo Vasconcelos (Mozambique)
Angeles G. Borrego (Spain)

Walter Pickel was also suggested as candidate but did not accept to stand for elections.

Hon Treasurer:

Jen Pearson (Canada) has been confirmed for an additional term

Editor:

Isabel Suárez-Ruiz (Spain)
Nicola Wagner (South Africa)

Chair Commission II:

Jolanta Kus and Paul Hackley were suggested as candidates but Jolanta did not accept to stand for elections and therefore Paul Hackley (USA) was automatically elected.

Chair Commission III:

Magdalena Misz-Kennan (Poland)
Slawomira Pusz (Poland)

Elections for the positions of President, Editor and Chair of Commission III will be undertaken during the year.

7. EDITORS' REPORT

The Editor summarized the 2013-14 report, which is shown in Appendix 4. Members and in particular conveners of the working groups are encouraged to

provide progress reports and contribute further to the ICCP News.

8. Financial Matters

On behalf of the Honorary Treasurer, the editor presented the report of the 2013-14 economic affairs, which is shown as Appendix 5. Accounts are in good shape.

9. Accreditation

Deolinda Flores, chair of the Accreditation Subcommittee, presented an overview of the Accreditation activities in the year 2014. At the time of the meeting the 2014-2015 Accreditation Round had been initiated with an increase in participation in all the programmes. Samples for SCAP and DOMVR were already distributed and the deadlines for submission of results were approaching.

The Accreditation Sub-committee met during the meeting after the daily sessions and was attended by the organizers Angeles G. Borrego for the DOMVR and Isabel Suárez-Ruiz for the CBAP; the Accreditation Subcommittee: Deolinda Flores-Chair and representative from Commission I, Jolanta Kus-representative from Commission II, Magda Misz-Kennan-representative from Commission III, The external expert Paddy Ranasinghe and the President Petra David.

The discussion focused on how to proceed while a new database is established. The steps to be followed in the near future are: i) establish a new database (java) that requires long time, and detailed specifications. In the mean time some actions would be taken to alleviate the workload of the organizers such as ii) update existing database; iii) improve excel datasheets for data input and calculations; iv) add input mask for accreditation data on ICCP website; v) assist CBAP organizer with data input.

Council granted permission to expend up to 1000 € in order to implement the interim changes.

10. ICCP Training Activities

Peter Crosdale presented the main developments during the year regarding the training activities of the ICCP in the Opening Plenary Session of the General Assembly. A course on Dispersed Organic Matter took place 23rd -27th June at the Helmholtz Centre of the German Research Centre for Geosciences GFZ. The trainers were João Graciano Mendonça Filho and Angeles G. Borrego. A comprehensive report was presented to the audience including the input from the participants. The course was considered a success with very positive comments about the trainers, the venue, the duration of the course and the notes received.

The 4 day course on Organic Petrology for Industrial Applications scheduled for 16th - 19th September at the CSIR-National Laboratories in Dhanbad (India), in connection with the ICCP Meeting, was finally postponed due to organizational difficulties. A course on the same topic with Isabel Suárez-Ruiz and Walter Pickel as trainers will take place in Potsdam in September 2015 in connection with the 67th ICCP Meeting. The course is conceived as four days theoretical and practical training and 1 day excursion.

A preliminary schedule for future ICCP training courses in Potsdam in June has been approved:

2016: General Organic petrology (trainers Walter Pickel and Angeles G. Borrego)

2017: Dispersed Organic Matter (trainers João Graciano Mendonça Filho and Angeles G. Borrego)

11. Registration of ICCP and Revision of the Statutes

The main requirements to register ICCP as society in British Columbia (Canada) were published in the ICCP News #54-pg. 8. Difficulties were found during the year to get a lawyer to act as the British Columbia director.

The issue of revision of the statutes has been postponed due to the delays in the registration process but it was decided at the meeting that both processes can run in parallel. A first document for revision of the statutes will be prepared by Stavros Kalaitzidis considering the comments received for modifications of the actual statutes (ICCP News #34 from 2005) and meeting the requirements of the Canadian Law. The draft is expected to be discussed during the next meeting.

12. WEBSITE

The new version of the Website was launched during the year. In addition a significant effort has been performed by the officers of the three Commissions to update the contents and improve the information provided from the various WGs. Other improvements have been the implementation and use of the on line application for Accreditation, which has been used in the last round. Some difficulties have been reported for the Application on line for ICCP Membership and also complain from the Chair of Commission II regarding delays in the implementation of some requests.

It was discussed in Council that ICCP public website should contain more technical information. The main topics identified as more relevant are: i) make ICCP classifications available for public access ; ii) make working group results (once finished) available for the public; iii) make all newsletter available for the public. There is need for support for data input from Handbook information, for development of Image database; for establishing links between handbook and image database. Council has got permission to expend up to 1000 € in order to implement the above mentioned changes.

Petra, Polla, Angeles and Stavros having a refreshing drink on the field trip

13. REPORT FROM THE COMMISSION MEETINGS

Reports of the meetings of the Commissions were presented during the Closing Plenary Session on Wednesday 24th September by Deolinda Flores (Chair of Commission I), Jolanta Kus (acting Chair of Commission II) and Isabel Suárez-Ruiz (Chair of Commission III). The minutes of the Commissions are presented in Appendix 1.

The President congratulated Chairs, Secretaries, and Convenors of the three Commission for their continuous work. Again, they performed extremely well and the results achieved during the year were remarkable. The president noted that this is only possible because members actively participate in the round robin exercises and especially encouraged the new members to take part in the different Round Robin exercises.

14. REPORT FROM THE COUNCIL MEETINGS

The minutes of the Council Meetings comprising the resolutions which were adopted at the Meeting are given as Appendix 6. Most of the issues discussed were presented to the General Assembly in their respective topics. In addition the following topics were discussed and presented to the General Assembly.

Student's Grant. Last year was approved the implementation of a grant for attending the ICCP Courses. The application form and requirements was presented to the audience by Stavros Kalaitzidis and was approved. It is found as Appendix 7. The Grant Subcommittee consisting of Stavros Kalaitzidis, Paul Hackley, Magda Misz-Kennan and Maria Hamor-Vidó will received the applications and make a decision. The grant will cover attendance costs to an ICCP Course by year up to a maximum of 1000 € after presentation to the treasurer of the corresponding receipts.

Handbook information open: The revision of the handbook is taking longer than initially planned and there are often requests of classifications and definitions and in addition to the partial publications there is only the rather obsolete handbook what it is distributed. The best benefit for the ICCP is that the classifications and definitions established are used and properly acknowledged as derived from the ICCP. This can be achieved if they are available in the public part of the ICCP webpage. In addition, this will help to assure that ICCP classifications are recognized as ICCP publications, rather than publications of individuals.

Membership fees: As part of the fees structure it was discussed to make ICCP members which receive the Thiessen award exempt of paying the ICCP membership in the future.

15. ICCP Awards

After receiving feedback from the Thiessen Medal Award Subcommittee the final wording of the document was accepted and presented to the General Asembly and will be publizice in the webpage.

The Organic Petrology Award Subcommittee was officially constituted and a nomination was received to award the 2014 Organic Petrology Award to Magda Misz-Kennan. The Laudation prepared by the Chair of the OPA Subcommittee and the response of the nominee is found as Appendix 8.

17. Arrangements for 2015 Meeting

The presentation for the meeting in Potsdam was presented by Dr. Petra David. The 67th Annual Meeting of the International Committee for Coal and Organic Petrology will be hosted by the Helmholtz-Zentrum Potsdam Deutsches GeoForschungsZentrum GFZ in Potsdam, Germany, September 5 - 11, 2015. The meeting venue will be Building 33 at the Telegrafenberg. Prior to the meeting an ICCP Training Course 'Organic Petrology in Industrial Applications' will be organized. Petra presented the venue, the facilities and the preliminary schedule which can be found in detail in Appendix 9.

Social Programme and Field Trip

During the meeting in Kolkata the attendants to the ICCP meeting were given away with a very active social programme and many amenities The social programme started on Saturday 20th at 17.30 during the time for registration at the venue of the meeting in the Science City of Kolkata, where we were welcomed by the organizers and offered drinks and indian specialities as appetizer. Then we left all together by bus for dinner where we enjoyed a buffet dinner and two very special performances. In one of them an artist was drawing with sand on a glass table illuminated from the bottom and projected on a screen different landscapes from India and traditional Indian motives following the rhythms and melodies of traditional music. This was followed by an unbelievable mime performance.

On Sunday 21st, after the sessions, we assisted at the Mini Auditorium of the Science City to a fantastic Bollywood performance by the well-known Indrani Dutta Dance Troupe. It was a fantastic opportunity to assist in vivo to the action and esthetic of the Bollywood performances full of rhythm and colour. This was followed by a dinner at the ITC Sonar hotel.

On Wednesday 24th after the closing plenary session, we travelled to the Eastern Zonal Cultural Centre where we assisted in the Main Auditorium to a performance of the Mamata Shankar Dance Company. The different acts were related with aspects that worry the Indian society. After the performance we moved to the Hyatt Regency Hotel, where we enjoyed a delicious buffet dinner.
So many cultural activities and joint dinners gave the attendants of the meeting the opportunity to interact a lot to each other and to know many aspects of the indian culture and gastronomy.

The Field trip started the 26th of September very early in the morning since the roads to the Sundarban delta were busy and driving was relatively slow. Travelling by bus gave us the opportunity to see a bit of the exciting countryside of the region. After having lunch at the Sundarban resort we initiated a boat trip to the Sajnekhali Tiger Project Area, the Sajnekhall Museum and Mangrove Interpretation Centre including Watch Tower. A peaceful trip through the channels and an invaluable opportunity to walk around in a mangrove landscape was offered, together with our first opportunity to observe the Bengal tiger. The

26th we were not lucky with the observation and we returned in the afternoon to the resort where we enjoyed a dinner and a fantastic performance of traditional music with traditional instruments. After the performance the non-Indians attendants tried to follow the instructions of our Indian colleagues to reproduce the movements of Indian dance.

Tiger hunting on the Sundarban Delta

Next day, we tried again early in the morning going by boat to the Sundhanyakhali Watch Tower where there is a small water pool where the tigers come to drink early in the morning. Nevertheless either the tigers were not thirsty or we arrived too late but we didn't see the tigers. As compensation we had a nice navigation through the Narrow Creeks, which is the natural habitat of the tiger and a nice wetland where plants are accumulating in a present day coal forming environment.

SUMMARY OF APPENDICES

Minutes of the 66th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
20th - 27th September 2014, Kolkata, India

Appendix 1 - Commission Minutes

Minutes of Commission I

General Coal and Organic Petrology
66th ICCP Meeting, Kolkata, India
September 22 - 23, 2014

Chair: Dr. Deolinda Flores
dflores@fc.up.pt
Secretary: Dr. Stavros Kalaitzidis
skalait@upatras.gr

Opening remarks

The Commission I meeting was held on the afternoon of Monday the 22nd and the morning of Tuesday the 23rd of September and was attended by 38 and 50 members, respectively. The Chair outlined the programme for the sessions and presented a short overview of the Commission's activities during the last year, including a short report for the Working Group of Temporal Variations of Coals.

Deolinda informed the attendees that unfortunately the Convenors of the following WGs couldn't attend the Meeting: Reflectance & Terminology of Zooclasts in old sediments; New methodologies and techniques in organic petrology WG and; Micro-FTIR WG. Thomas Gentzis, Lila Gurba, Wang Shaoqinq, Yuegang Tang, Kuili Jin, and Lei Zhao informed Commission I for this and sent their apologies.

Temporal Variations in Coal WG - *Lopo Vasconcelos*

Although this WG is not active any more, Lopo continues to add new data into the database, which now reaches in total 11809 maceral data entries from 73 countries and territories. ICCP Members are encouraged to use the Database that is loaded on the ICCP webpage (http://www.iccop.org/workinggroup/temporal-va

riation-of-coals/) and/or to add any new data that become available by conducting either Lopo or Com I Chair/Secretary.

Commission's I sessions included a Microscope Session and presentations of the following WG's:

- SCAP - Single Coal Accreditation Program
- Petrographic Image Database
- ISO Standard
- Standardization Working Group
- Suberinite Working Group
- Peat Petrography Working Group
- New Handbook Editorial Group
- Distinguishing Features of Macerals Editorial Group
- QEMSCAN Editorial Group
- Oxidation Editorial Group
- Liptinite Editorial Group

Microscope session

Commissions I and II held a joint microscope session on Monday the 22nd at 16:00-18:00.

Walter Pickel, presented photomicrographs of the RIC 2010 Standardization WG and a life exercise took place. The participants had to identify macerals of the vitrinite group and the discussion focused on the differences between telovitrinite and detrovitrinite. In most cases the agreement on telovitrinite was high, however in several cases the agreement on detrovitrinite proved problematic. Main issue of concern was "the distance of the point to count from another maceral", and if a "size-criteria" is needed.

Peter Crosdale discussed photomicrographs of the new Suberinite WG exercise. The attendees had to identify suberinite in samples from Surat Basin, Australia. The attendees discussed the features of the suberinite and its association or not to corpogelinite, as well as the differences between "dark vitrinite" and "possible suberinite". The Suberinite WG will definitely provide useful conclusions that could be used by the Distinguishing Features EG an\or in future amendments of the definitions.

Finally, Ashok Singh, Nandita Choudhury and Rashmi Singh presented blocks of Indian coals of various ranks.

Microscopic facilities were provided by Leica Microsystems, Division of DHR Holding India Private limited and Mr. Bhakta Das Mukherjee and his colleagues are gratefully acknowledged for their support.

Commissions I and II would like to thank Walter, Peter, Ashok, Nandita and Rashmi Singh for their contribution in this successful session.

Single Coal Accreditation Program -
Kimon Christanis

Kimon couldn't attend the Meeting, nevertheless he submitted his apologies along the SCAP Report. Deolinda presented on behalf of Kimon the report of the 2014 SCAP round, along with some additional information addressed to the Indian Delegates, in case they would like to participate.

The 2014 SCAP exercise was announced in February 2014. Invoices were sent out in March 2014 and the invoices, samples and instructions in April 2014; 6 block samples for the new participants in the program and 2 bulk coal samples for the continuing participants. The participants had to measure the following parameters:

- Vitrinite random reflectance (VR) according to ISO 7404-3 measured on Telovitrinite sub-group macerals (ICCP, 1998).
- Vitrinite content (VC) according to ISO 7404-5.
- The initial deadline to submit the results was end of September 2014.

In total 115 analysts were registered in the 2014 SCAP from 67 laboratories located in 20 countries. There is a constant increase on the number of participants during the last 8 years (in 2006 only 82 petrographers applied), due to an increased employment across commercial laboratories. Eighty-eight of the 2012 participants continued the exercise in 2014, whereas 27 were new entries, which is very encouraging. It is interesting to note that only 55 participants are members of ICCP, whereas 60 are non-members.

The geographic (concerning continents) distribution of the participants was: Oceania 30%, Europe 29%, North America 13%, South America 14%, Africa 10% and Asia 4%.

There are some differences in the 2014 Round in comparison to the previous ones.

During posting to certain countries samples were lost; this resulted in significant delays in the procedure and additional postage expenses, beyond the loss of polished blocks. By the time the new samples were out, it was too late to comply with the initial timetable; hence the deadline for submitting

the results was extended to the end of October 2014.

The evaluation of the round will initiate in November and the Certificates will be mailed out by the end of December 2014.

Kimon acknowledged the efforts of Isabel, Gisela, Gerd, Deolinda, Jolanta and Stavros for supplying him with samples, as well as his students Gorkem Oskay and Konstadis Perleros for assisting with samples preparation.

However, the SCAP program requires additional samples; Hence Members who think can supply with suitable bulk coal samples please contact Kimon, christan@upatras.gr.

Commission I would like to thank Kimon for his efforts in managing the SCAP 2014 Exercise.

ISO Standard -
Walter Pickel

Walter discussed the status of the "ISO 7404 Methods for the petrographic analysis of coal" revision. Three parts (2, 3 and 5) have been revised and published by ISO. The chapter ISO "7404-1 Vocabulary" has been revised during 2014 by W. Pickel, P. Hackley, P. Crosdale, I. Ruiz, S. Kalaitzidis, J. Potter and, Shifeng Dai on behalf of the ICCP.

Walter presented the outline of the ISO and the modifications made to comply with the already published standards.

The Group will continue this year on the revision of the Part 4 - Method of determining microlithotype, carbominerite and minerite composition.

Ashok Singh commented that Indian coals display some unique features and the adoption of the methods as described by ISO Standards is problematic. During the discussion it was agreed to follow up and to examine some representative Indian coals within the frame of a WG (see Minutes of Commission III).

Commission I thanks Walter and the WG participants for their efforts in delivering the ISO Standard.

Petrographic Image database -
Johan Joubert, Paddy Ranasinghe & Paul Hackley

Due the fact that the new ICCP Webpage was not implemented this year there was no activity in this WG.

However, Brett Valentine presented the progress of the USGS Organic Petrology Photomicrograph Web Atlas, which can be found at http://energy.usgs.gov/Coal/OrganicPetrology/PhotomicrographAtlas/ASTMCoalMaceralClassification.aspx.

The USGS Atlas incorporates 822 photomicrographs of organic material in coal and shale and presents the ASTM and ICCP classifications.

ICCP can benefit from the experience gained during the implementation of the USGS Atlas and the Convenors will work closely with Brett to develop and incorporate the ICCP Image Database.

Commission I realises the need to speed up the processes in the direction of creating a functional platform for the Image Database and thanks Brett for accepting to assist towards this direction.

Members, who want to volunteer for the development of the Image Database, please contact the Convenors.

Standardization WG -
Walter Pickel

Walter Pickel presented a very short report from the continuation of the 2010 Standardization Exercise, according to which the participants had to report the maceral-subgroups of the vitrinite group; the exercise is in a form of a pdf file with 47 images, annotated with 250 macerals. Previous reports (see ICCP News 56, p.11), as well as the exercise files are located in ICCP Webpage (http://www.iccop.org/index.php?id=120).
This year an email was sent to all the ICCP Members to conduct the exercise, however only few responded.

Walter will compile a final report of this exercise and submit to Commission I. Some key points he commented are:

> *Results are actually not as bad as they look on first sight, but what can we learn from them? We should be careful when we compare results on a maceral basis from different analysts or labs: maceral group reproducibility is satisfactory. No need for changing the vitrinite definitions again(!) at the next opportunity. We should rather develop and additional text on "distinguishing features" on which work has already begun.*

During the discussion it was again pointed out from Ashok the problems that petrographers face with

reflectance measurements in Indian Blends, however this issue will be handled within the Commission III.

It was agreed that a new Round Robin exercise will be prepared with different samples, perhaps incorporating Indian Coals. Ten Members expressed the interest to participate.

The files of the RIC 2010 exercise are available on the ICCP web page, for interested members (http://www.iccop.org/index.php?id=120).

Commission I thanks and congratulates Walter for his dedication conducting the Standardization round robin exercises.

Suberinite WG -
Peter Crosdale & Antonis Bouzinos

Peter Crosdale continued the presentation of the Suberinite WG and provided a short overview of the first exercise in 2011. The relative documentation is available on ICCP webpage. The problematic key issues in Suberinite identification were discussed also during the Microscope Session. There was no activity during 2013 but a new exercise is underway and will be communicated to the WG Members within the year. Photomicrographs from the new 2013-2014 exercise were presented and discussed and it was evident that structure is a key element for many members in discriminating among suberinite and bituminte and/or liptodetrinite.

In particular Peter mentioned some key issues, which derived from the 1st exercise and the discussions, related to distinguishing suberinite and to get reproducible data:

- thickness of suberinite walls,
- the presence or absence of structure, and
- do some of the "observed structures" really represent just compaction features?

The new exercise will be soon available from the ICCP website and will be distributed to the thirteen already applied interested members.

Anyone interested in participating in the new exercise please contact Peter (peter.crosdale@energyrc.com.au).

Commission I thanks Peter and Antonis for convening this very interesting WG.

Peat Petrography Working Group -
Kimon Christanis and Stavros Kalaitzidis

Stavros presented a short overview of the exercises conducted within this WG for the period and a summary of the results, particularly as an introduction to the Indian Delegates. The outcome of the WG is a recommendation of a classification scheme, which will be based on the standard ICCP Classification for Huminite-, Inertinite- and Liptinite-Group Macerals, with the addition of pre-textinite and epiderminite as maceral varieties of Textinite. Draft definitions were published in ICCP News, vol. 54, p.13.

During the Meeting, Stavros presented photomicrographs of a peat sequence and a valuable discussion took place regarding distinction features of pre-textinite and epiderminite.

Additionally, Joan Esterle proposed to continue the activities of the WG by dealing with macroscopic features\lithotypes of peat, whereas Polla Khanaqa to work on a classification scheme by incorporating palaeobotanical aspects. The Convenors will prepare a continuation working plan.

The final report is under preparation and will be distributed early 2015 to the WG members with the plan to present it at the next ICCP Meeting.

Commission I thanks Kimon and Stavros for their continuing work in this most improtant WG.

New Handbook Editorial Group -
Ivana Sýkorová, Isabel Suárez Ruiz & Kimon Christanis

Deolinda presented the status of the New Handbook as well as the structure on the webpage:

i. Chapters that have been revised, formatted and uploaded on the webpage (secure part) since May 2012 are: Lithotypes in low- and high-rank coals (Chapter 3), Inertinite (Chapter 5.4) and Definitions (Chapter 2).
ii. Chapters that are revised and have been uploaded on the webpage: Hydrogenation residues definitions (Chapter 8.1), Graphite, Semigraphite, Natural coke, Natural char (Chapter 9 - Other terms).
iii. Revised chapters to be uploaded soon on the webpage: Huminite (Chapter 5.2) and Vitrinite (Chapter 5.1).
iv. New versions that were edited and

formatted according to the template and also reviewed by two reviewers: TEM microscopy (Chapter 7.12, written by Barbara Kwiecińska & Sławomira Pusz), SEM microscopy (Chapter 7.13, written by Barbara Kwiecińska & Sławomira Pusz), Pyrolytic carbon (Chapter 9 - Other terms, written by Barbara Kwiecińska & Sławomira Pusz), Oxidation (Chapter 9 - Other terms, written by Jolanta Kus & Magdalena Misz-Kennan).

The final Chapters, Pyrolytic carbon, TEM microscopy, SEM microscopy and Oxidation are already on the web site for the final review phase, by Commision I members. The Approval of these Chapters will occur in next year's ICCP Meeting in Potsdam.

Remaining Chapters in progress that require extensive revision and edits are: Introduction (Chapter 1), Microlithotypes (Chapter 4), Classification of DOM (Chapter 6), Methods (Chapter 7), Coal Utilisation (Chapter 8), Other terms (Chapter 9), ICCP services (Chapter 10). The Editorial Group seeks for volunteers to assist with finalizing these Chapters.

The EG raised the question on how to proceed and also emphasized to the need for more members and experts being involved.

During the discussion it was suggested to post on the webpage everything that is ready and actually introduce two levels: "finalised" and "under revision" or "incomplete"

It was also agreed that the ICCP maceral classifications (Huminite, Vitrinite, Inertinite) will be available as a single file in the ICCP website and Commission I will act upon this.

Finally, Deolinda suggested implementing "e-mail voting" for the approval of texts, and ICCP will consider this in the revision of the Statutes.

The Editorial Group urges ICCP Members to visit the website and comment on the revised texts texts (http://www.iccop.org/commissions/commission-i/editorial-groups-i/), in order to finalize the Handbook. For more information please contact Ivana (sykorova@irsm.cas.cz), Isabel (isruiz@incar.csic.es) or Kimon (christan@upatras.gr).

Commission I thanks Isabel, Ivana and Kimon for their efforts on publishing the Handbook, as well as all the valuable reviewers that help to improve the manuscripts prepared by the conveners.

Distinguishing Features of Macerals EG -
Walter Pickel

Walter presented the aim of the WG, which is to "define and compile criteria that will add more detail to the ICCP 1994 maceral classification and thus support analysts in maceral identification". The intention is to go beyond the definitions and create a guide that will clarify points in the microscopic identification of macerals.

He presented an extract from the Australian Standards AS 2856, as an example of the approach that could be implemented.

The draft compilation will be distributed to the 14 Members of the EG for their comments and additions.

Commission I thanks Walter for his efforts.

QEMSCAN Editorial Group -
Sandra Rodrigues & Joan Esterle

Joan Esterle presented on behalf of Sandra the activities of the QEMSCAN EG. A draft document was presented entitled "Quantitative Evaluation of Minerals by Scanning Electron Microscopy (QEMSCAN)" by Sandra Rodrigues, Joan Esterle, Rogério Kwitko-Ribeiro, Leonardo Salazar and Patricio Jaime.

QEMSCAN (Quantitative Evaluation of Minerals by Scanning Electron Microscopy) is a fully automated microanalysis system that allows quantitative chemical analysis of materials and generation of high-resolution mineral maps and images as well as porosity structure. It can be applied to the study on mineral matter in coal and characterization of organic matter host rocks.

The draft document included the following Chapters:

- Overview: describing the technology and the applications in geological fields.
- Sample Preparation: detailing the various forms of samples that can be analysed.
- Analytical Protocols: describing the basic elements of QEMSCAN instrumentation
- Measurement Protocols: describing the software used for data acquisition
- Classification Protocols: describing the software used for data processing and interpretation
- Outputs: detailing the various output formats (i.e. images, graphs, tables either based on mineralogy or elemental quantification).
- Future Developments
- References.

Once the White Paper is ready it will be uploaded on the ICCP webpage for further review.

Commission I would like to thank Joan for her presentation as well as all the contributors for this useful addition.

Oxidation Editorial Group -
Jolanta Kus & Magdalena Misz-Kennan

Jolanta presented the text of the Oxidation Chapter, which is structured in 9 chapters. The Chapter is in the final reviewing phase and it is anticipated that the whole reviewing and approval stages will take place within 2015.

The Final Draft is already in the webpage and Members are kindly requested to review and submit any comments to the Convenors (http://www.iccop.org/workinggroup/oxidation-editorial-group/).

The chapter will be submitted for voting in 2015 Meeting.

Commission I congratulates Jolanta and Magda for their work on the Oxidation Chapter.

Liptinite Editorial Group -
Walter Pickel, Jolanta Kus & Peter Crosdale

Walter presented the progress of the Liptinite Editorial Group. The draft document along the photomicrographs has been delivered to Commission I and it will be available on the webpage for Members to review.

Commission I will prepare a version for the handbook with many photomicrographs and at a second step a version for International Journal of Coal Geology with limited number of photomicrographs.

The plan is to have a final version for voting next year in Potsdam.

Commission I congratulates Walter, Jolanta and Peter for their work on the Liptinites chapter.

Closing Remarks

Deolinda Flores and Stavros Kalaitzidis closed the Session of Commission I.

ICCP Members were reminded that the following Commission I Services are available for the Coal Petrography Community:

Single Coal Accreditation Program, SCAP - Kimon Christanis (christan@upatras.gr).

Reflectance Standard Checking: The service to check standards against the ICCP Reflectance Standard continues available from Dave Pearson, Walter Pickel and Gred Bieg (USD 50 and free for ICCP members).

As per final remarks Commission I would like to encourage ICCP members to visit the webpage, since a lot of data and information from the WGs have been uploaded http://www.iccop.org/index.php?id=19.

The final chapters of Pyrolitic Carbon, TEM-SEM, and Oxidation are in the final review phase and the deadlines for comments and/or suggestions are approaching.

The presentations of the Meeting are also available in the secure area of the webpage, and the convenors of the various WGs are encouraged to check and update regularly the web material.

Finally, Commission I would like to thank all the participants of the sessions for their active participation that resulted in another productive Meeting.

Minutes of Commission II

Geological Applications of Coal and Organic Petrology
66th ICCP Meeting, Kolkata, India
September 20 - 24, 2014

Acting Chair: Jolanta Kus
J.Kus@bgr.de
Acting Secretary: Brett Valentine,
bvalentine@usgs.gov

Tuesday - 23rd September

The Commission II meeting started on Tuesday September 23rd at 13:45 in Conference Room of the Science City Building, Kolkata, India and was attended by 26 participants.

13:45 - 14:00 - Opening address
Paul Hackley & Jolanta Kus

The opening address of Commission II, Geological Applications of Coal and Organic Petrology started with short explanation of Paul Hackley's resignation from the position of Chair of Commission II earlier this year. Following his application for an official waiver at the USGS in

order to perform any duties in an official capacity as a Councillor with the ICCP, Paul Hackley expressed his willingness to reapply for the position of Commission II Chair. In the mean time, Jolanta Kus agreed to perform the duties as an acting chair of Commission II. In the opening address, Jolanta presented an overview on the 2014 publications based on work carried out within the Thermal Indices WG by Carla Araujo et al (2014) (Petrographic maturity parameters of Devonian shale maturation series, Appalachian Basin, USA: ICCP thermal indices working group interlaboratory exercise) and within the Identification of Primary Vitrinite WG by Paul Hackley (2015) (Standardization of reflectance measurements in dispersed organic matter: Results of an exercise to improve interlaboratory agreement). She informed also about the possibility of obtaining training and calibration materials such as the Atlas for Anthropogenic Particles, the Training Kit on Vitrinite Reflectance Measurement in DOM, the Training Kit for Spectral Fluorescence Measurements and the ICCP quartz iodine calibration lamp for fluorescence measurements for ICCP members and non-members. Jolanta drew attention to the lack of progress in updating the web site of Commission II. The lack of progress was caused by non-response of the web site operator to the mutually agreed changes such as a list of updated publications of Commission II, updated affiliations of the WGs conveners and the corresponding links to their research institutes, companies and universities, lists of training and calibration materials developed by the Commission II, album photos of participants of the 2013 ICCP Meeting in Sosnowiec, Poland, microphotographs from the 2013 round robin analyses and exercises. Despite the difficulties regarding the updates of the web site of Commission II, Jolanta stressed the importance and necessity of providing updates regarding the 2014 activities to the Commission II Chair or Secretary.

14:00 - 14:30 - Identification of Primary Vitrinite WG

convenor: Paul Hackley

On behalf of Paul Hackley, Brett Valentine (USGS) presented the 2014 activities of the Working Group. Brett introduced at first major difficulties related to identification of primary vitrinite and to reproducibility of reflectance measurements such as e.g., recognition and distinctions of primary vitrinite from bitumen, recycled vitrinite and low reflecting semifusinite. He then gave a short overview on the history of the WG established during the 2008 ICCP Oviedo Meeting, followed by (1) results of DOMVR analysis presented at 2009 Gramado meeting and published in the ICCP News No. 48, Nov. 2009, and (2) new ASTM standard for DOMVR published in 2011 Annual Book of ASTM Standards September 2011. In 2012-2013, the established ASTM D7708 was tested on six samples via interlaboratory study within twenty-two laboratories. The round robin results were presented at the 2013 Sosnowiec meeting and at AAPG, Houston, USA, in April 2014. Finally, the results were published in J. Marine and Petroleum Geology, 2015. The main outcome of the round robin analysis was that repeatability and reproducibility limits degraded consistently with increasing maturity and decreasing organic content (except for a Type III kerogen sample). Despite the deterioration in reproducibility of reflectance measurements, an improvement was achieved when compared to historical exercises carried out within the ICCP (summarized in Borrego, 2009). Further, no statistical difference between Ro from the measured bitumen and vitrinite (contradictory to empirical conversions) was distinguished. Brett Valentine presented potential future work such as (1) quarterly or biannual round robin with committed WG, (2) send out similar samples - one with supporting information and one without to test the hypothesis that supporting information will improve accuracy of test, (3) use high maturity samples with high TOC - (current USA shale gas/oil plays: Eagle Ford Fm., Marcellus Fm., Haynesville Fm.), (4) possible article in an oil/gas journal circular describing organic petrology methods and how to interpret DOMVR data, (5) generate database of shale Ro information with goals to update ASTM D7708 precision and eventually write a follow-up paper to JMPG 2015.

Borrego, A.G., 2009. Precision of vitrinite reflectance measurements in dispersed organic matter: Reappraisal of the information from past Commission II activities working group of the ICCP," ICCP News, No. 48, p. 50.

Brett was thanked very much by numerous attendees for the outstanding work carried out within the WG.

14:30 - 15:00 - DOMVR Accreditation Program

convenor: Angeles Borrego

Angeles Borrego presented a short historical summary of the DOMVR Accreditation Program, initiated by Alan Cook in 2006. The 2014 DOMVR Accreditation was initiated in April, with samples (6 for new entry participants and 2 samples for continuing participants) being distributed in July (originally scheduled for May/June) to 60 participants. The 2014 Accreditation Round maintained the same level of applied new entries and indicated an elevated increase of applied continuers from 28 in 2012 to 43 in 2014. A predominance of applicants from South America and Europe was noted, following a similar trend from the 2012 Accreditation round. Also, the number of non-ICCP participants increased substantially, displaying again a similar trend to the 2012 round. As agreed last year, different participants from a single laboratory received different samples for analysis. This was carried out in order to prevent possible bias that could be occurring between petrographers working in the same lab, which in turn bears multifold implications for the database and handling. The deadline for submitting results has been established as 31st October 2014 with evaluation taking place in December 2014. Angeles Borrego addressed also the issue of sample suitability and status of the sample bank. The sample providers to the sample bank João Graciano Mendonça Filho, Angeles Borrego, Isabel Suárez-Ruiz, Deolinda Flores, Peter Crosdale, Paul Hackley and Lopo Vasconcelos are greatly acknowledged. In the subsequent discussion, Peter Crosdale asked about going back and looking at the results of participants that had large std. deviations compared to the rest of the group-are the large group std. deviations being caused by a few participants having outliers or does the sample just have a wide range in VRr? Question about entry price and re-admission price into the program was also raised. Polla Khanaqa asked what is causing the variation of VRr within the same sample.

Commission II thanks Angeles Borrego for her significant work carried out within the WG and congratulates for her great effort in maintaining the high standard of the DOMVR Accreditation Program.

15:30 - 16:00 - DOM Atlas TSOP-ICCP Project

acting convenor: Isabel Suárez-Ruiz

Isabel Suárez-Ruiz presented the current state of the TSOP-ICCP DOM Atlas Project. During the 2012 Beijing meeting, ICCP agreed to provide assistance to improve the overall quality of the DOM Atlas. The issued version of the DOM CDs was subjected in 2013/2014 to a thorough review by an ICCP panel. The review confirmed its great value to the scientific community and professional organizations. However, a number of major amendments and modifications were requested regarding, e.g., compliance of applied terminology to the TSOP-ICCP Classification of DOM, changes to the presented organic petrology methods, misleading identifications of components in the provided photomicrographs, need of new images (maceral and formation examples), updates of bibliography, etc. Overall, substantial revisions are required in order to make the atlas an accurate and a more effective product. Angeles Borrego and João Graciano Mendonça Filho provided numerous additional photomicrographs to fill the existing gaps in the plates. Isabel Suárez-Ruiz acting as a convenor provided an essential support to accomplish the revision of the TSOP-ICCP DOM Atlas. The final report on the requested revisions will be presented to TSOP at the Meeting in Sydney Sept. 2014.

During the subsequent discussion, Isabel Suárez-Ruiz informed that Dr Zhongsheng Li of CSIRO Earth Science and Resource Engineering, former TSOP Councillor, is interested in joining the work on the DOM Atlas. Brett Valentine volunteered to provide images for sections of the atlas (i.e. Appalachian Basin shale formations) that currently have a low quantity of images. A request was raised regarding editors and contributors of the revisions to be added as authors of the DOM Atlas. Peter Crosdale also raised a question of how can one identify vitrinite macerals in a strew mount based on the attached images? Petra David stated that the ICCP logo is not the correct logo (missing trademark) and advised to use more recent logo in the revisions. It was further recommended that the current format of the DOM Atlas should be abandoned and a new format should be introduced. Commission II thanks Isabel Suárez-Ruiz for her highly valued work and determination offered within this WG

16:00 - 16:30 - Palynofacies WG
convenor: João Graciano Mendonça Filho

João Graciano Mendonça Filho presented results of the second 2014 Exercise focusing on characterisation of the origin of phytoclast particles as well as on the identification of individual particulate components, assessment of their absolute and relative proportions, particle size and preservation state in strew mounts, kerogen concentrates and whole rock samples. The objective of the exercise comprised also a potential correlation of palynofacies information obtained in this exercise with the ICCP classification of macerals. The presented results on the strew mounts displayed a predominance of phytoclasts among the kerogen groups, pointing to the dominance of Opaque and, secondarily NOB particles among the subgroups. Further, a difficulty was noticed in differentiation of some particles in TWL caused possibly by thickenings (Op versus NONB) and structure (NOB subgroup) of the components. In the whole rock and kerogen concentrate samples, a predominance of inertinite over vitrinite and liptinite groups was documented. In the correlation between phytoclasts population and inertinite macerals, positive correlation between opaque/NOB phytoclasts and fusinite/semifusinite macerals was obtained.

With the completion of the second 2014 exercise on the particles in Phytoclast Group, João Graciano Mendonça Filho proposes for 2015 that the working group focus on the Palynomorphs Group. Using 2 samples, a third 2015 exercise will encompass marine OWM zoomorph and sporomorphs subgroup from the Palynomorph Group. In the subsequent discussion, Stavros Kalaitzidis commented that the ternary plots as displayed in the presentation do not represent a true statistical correlation. Polla Khanaqa made comment about the correlation between fungi vs. inertinite related to the identification of OM. A member of the audience asked for clarification on the kerogen concentrate methodology. Joan Esterle mentioned that the identification of phytoclast sub-group seemed to have a good agreement but the identification of the individual phytoclasts seemed to have a significant spread in the dataset. Angeles Borrego asked if the study of the phytoclasts could be correlated to specific vitrinite macerals. João responded that this type of correlation would require larger quantity of sample in order acquire the proper amount of data, but he does not think a correlation really could be achieved.

Commission II congratulates João Graciano Mendonça Filho for his well conducted work in the WG.

16:30 - 16:45 - Dispersed Organic Matter White Paper WG
convenor: Maria Hámor-Vidó

Maria Hámor-Vidó could not attend meeting. In letters submitted to the acting convenor in July and August 2014, she requested important contributions to complete and up-date chapters of the White Paper in 2013/2014. Based on the supplied responses, Maria Hámor-Vidó will prepare the latest version of the manuscript with figures for submission in next 2 months. Maria plans to post the online draft of the manuscript on the secure part of the Commission II for comments. Once comments are received the work can be approved by the general assembly at the 2015 meeting in Potsdam.
Commission II congratulates Maria Hámor-Vidó for the current work that has been accomplished in the WG.

End of session on Tuesday 23rd September, 2014.

Wednesday - 24th September
The Commission II program resumed on Wednesday September 24th at 09:00 in Conference Room of the Science City Building, Kolkata, India and was attended by 34 participants.

09:00 - 09:45 - Concentration of Organic Matter WG
convenor: João Graciano Mendonça Filho

João Graciano Mendonça Filho presented the results of the 2014 Round robin exercise performed on two low rank whole rock and KC samples provided by LAFO-UFR and Dr. Hans Luik.The objective of the OMC WG was to study the effect of the isolation procedure on the spectral fluorescence parameters (λ_{max} and QR/G) of diverse liptinite macerals. Based on the spectral fluorescence results provided for different components, a higher agreement of the fluorescence parameters between WR and KC samples was obtained for Telalginite, i.e., G. prisca and Tasmanite and sporinite macerals. Also, as previously shown in 2009, 2010, and 2013 exercises, it was observed that the fluorescence

intensity is always lower in WR than in KC samples for the majority of components from liptinite group (resinite, cutinite, lamalginite, bituminite, etc.). This feature can indicate an influence of the kerogen isolation procedures (ac. treatment) on fluorescence properties, probably due to the chemical composition of these components or homogeneity of the organic wall composition. João Graciano Mendonça Filho believes that the objective of the WG is accomplished. A manuscript relating to the WG exercises will be developed for publication in the IJCG.

In the subsequent discussion a question was raised on the cause of the differences in fluorescence between telalginite and sporinite vs. the other liptinite group macerals.

Commission II congratulates João Graciano Mendonça Filho for his great determinations within the WG.

09:45 - 10:15 - Identification of Dispersed Organic Matter WG

convenor: Jolanta Kus

Jolanta presented past activities of the working group since its establishment during the 2005 Patras Meeting, giving a review of performed exercises, completed reports and delivered presentations. The objective of the WG is to test the applicability and restrictions of the existing ICCP terminology of alginite and bituminite in whole rock samples. In 2013, in order to provide participants with a suitable maturation series of bituminite I with increasing rank, a set of samples of Lower Jurassic Posidonia Shale from the Hils syncline in the Lower Saxony, Germany was prepared. Following identification and characterisation of optical appearance of bituminite I, measurements of random vitrinite reflectance and spectral fluorescence measurements (? max and QR/G) were carried out. The results point towards minor red shift of ? max and increase of QR/G in bituminite I with rank. Together with the described changes of optical appearance with rank, measured spectral fluorescence parameters were compared to those obtained by Teichmüller and Ottenjann (1977) for bituminous mineral rich groundmass. The case study of bituminite I can be used to contribute towards the improvement of the state and quality of photomicrographs included in the Bituminite Sheets of the old ICCP Hand Book. It can illustrate changes of optical appearance with rank, transitions from lamalginite to bituminite and enhance demonstration of bituminite forming groundmass.

The final version of the case study will be prepared for comments and remarks by the end of this year. Further, Jolanta plans to draft a manuscript from the last two Round Robin Exercises 2009 and 2011 to illustrate current limitations of the ICCP Terminology for bituminite. The 1. Version of the draft is planned to be distributed in the first quarter of 2014.

Walter asked if we need Bituminite II and III. Peter Crosdale voiced concern over the accuracy of a sample in the dataset that had a 1.42% VRr and had spectral fluorescence measurements of bituminite. Isabel congratulates on the good quality photomicrographs and proposes to think about an atlas. Maria Hamor-Vido requested support from Jolanta and Walter on Bituminite in the DOM White Paper. Angeles stated that we are now in much better position to distinguish bituminite from lamalginite. She also stressed to make the photographs and the identifications available in some sort of manner.

Commission II congratulates Jolanta Kus for her effort to finalize the past activities within the WG.

10:15 - 10:30- DOMVR and CIR in Commission II

presentation: Angeles Borrego

The presentation is an invitation for all members to visit the ICCP website to see the DOMVR and component identification results based on former ICCP round robin analyses. The website also gives a detailed review of the past work on DOMVR completed by the ICCP. To access the DOMVR and CIR data and information, ICCP members must obtain a password by becoming a member of the DOMVR working group. Angeles thanked Deolinda Flores, Carla Araujo, João Graciano-Mendonça Filho, and Paul Hackley for their tremendous efforts in collecting the large volume of data and information, and for organizing, and posting the material to the website.

Commission II thanks Angeles Borrego for her great efforts in compilation of the former data and information within the WG.

10:30 - 11:00 - Correction Function for Fluorescence lamps
presentation: Angeles Borrego

Some important issues have been raised by Angeles Borrego when applying the correction function to the calibration of halogen lamps used during normal spectral fluorescence analyses at the INCAR-CSIC, Oviedo, Spain. An example in the presentation shows the spectra of ICCP lamp #3 and #5 with results indicating that each lamp gives a unique irregular emission signature between 350 and 700 nm. Also the calibration functions for the above lamps display irregular peaks in similar emission range.

Future work is required: 1) re-evaluate how often a calibration may be needed; 2) a possible evaluation of artifacts created during calibration; 3) an evaluation to determine if spectral drift is occurring over time and/or; 4) possibly purchasing a new calibration lamp due to the age of the current calibration lamps.

Commission II congratulates Angeles Borrego for her efforts to raise these important issues related to fluorescence spectral analyses.

11:00 - 11:15 - CBM/CO_2 Sequestration WG
convenor: Lila Gurba

No progress has been reported

11:15 - 11:30 - Reappraisal of Pseudovitrinite WG
convenor: Lila Gurba

No progress has been reported.

11:30 - 11:15 - Shale Gas WG
convenor: Lila Gurba

No progress has been reported.

11:15-12:00 - Closing remarks
Jolanta Kus & Brett Valentine

Jolanta Kus congratulated all conveners of the WGs and participants of the ICCP Meeting for their important and interesting work and fruitful discussions. She also thanked ICCP members who have participated actively in the round robin exercises and encouraged convenors to publish valuable results in international journals and the ICCP News. The acting Chair asked all convenors to send their presentations and updates for the ICCP Commission II website to Paul Hackley or Jolanta Kus.

The meeting of Commission II ended at 12:00 on September 24th.

Magda Misz-Kennan (L) ,Jolanta Kus, Stavros Kalaitzidis , Rudi Schwab, Joan Esterle and Paddy Ranasinghe (R)

Minutes of Commission III

Industrial Applications of Coal Petrology
66th ICCP Meeting, Kolkata, India
September 21 - 22, 2014

Chair person: Isabel Suárez-Ruiz
isruiz@incar.csic.es
Secretary: Magdalena Misz-Kennan
magdalena.misz@us.edu.pl

Sunday - 21st September, 2014
14:45-15:10 - Opening address

The opening address of ICCP Commission III, Industrial Applications of Coal Petrology started with welcome and presentation of a schedule of work for Commission III for Sunday and Monday, September 21 and 22, 2014. Isabel Suárez-Ruiz presented the activities and objectives of active working groups in last year and also in the past years, the situation of inactive working groups, and accreditation program. First she discussed the activities of the four active working groups (Identification and Petrographic Classification of Components in Fly Ashes WG, Self-heating in Coal and Coal Waste WG, Coke Petrography WG,

Microscopy of Carbon Materials WG, and Coal Blends Accreditation Program - CBAP) and than the activity of inactive working groups (Characterization of Gasification Products WG and Improved Image Analysis WG) in the last years. Last year it was decided that a new Accreditation Program will be established and its convenor will be Sandra Rodriques. Isabel also mentioned that Commission III web page was updated by Magda Misz-Kennan. Now most of the information on working groups are updated and uploaded.

The Commission III meeting started at 14:45 Sunday September 21st and was attended by 53 participants.

15:10-15:50 - Coal Blend Accreditation Program

convenor: Isabel Suárez-Ruiz

Isabel Suárez-Ruiz presented the objectives of the CBAP, the items that have to be determined in the accreditation exercise and the process of evaluation of the results. In this program the number of coals in blends and various statistical parameters are calculated. The conditions under which a participant is evaluated in the program and conditions of passing/failing the accreditation exercise were also presented. In 2014 there was no accreditation exercise. The samples for the exercise will be sent later this year and results are expected before April 15, 2015.

Isabel emphasized that the evaluation procedure is performed manually by her and contain several stages, e.g. checking the number of components in coal blends, maceral composition and reflectance of coals making the blend. Evaluation of various parameters obtained on the base of data from the tables supplied by the participants is used to build an Excel spreadsheet. The data provided by the participants are revised and manually treated by the Convenor. Then they are loaded into the database and the automatic program produces partial statistical reports. The remainder statistical reports are manually calculated by the Convenor. The current data base is not working properly. Isabel emphasized that the convenor has to manually calculate the data. She presented the problems with evaluation of the results in this program with the present data base. There is necessity of having the data base and she requested from ICCP a professional data base. She reminded that new accreditation exercise will start later this year. After the presentation she asked for comments on the accreditation program. Joan Esterle asked if there is anybody working with Isabel on this program and Isabel replied that currently there is nobody to work on it. Nandita Choudhury asked if Isabel has coals from different sources. The discrepancies in the results might be related to different sources of coals. Isabel replied that on the base of histogram the differentiation between coals can be done. It is better to look at the characteristics of the single coals first and see such features like cracks and distribution of mineral matter. She also remarked that CBAP follows the ICCP nomenclature of macerals and participants have to follow the classification. One participant remarked that the blending of coals can be done for various processes. He asked about other parameters of blends. Isabel replied that in the Accreditation Program only the microscopic components have to be established and that the program does not deal with other properties of coal blends. Joan Esterle remarked that this program is about the establishing of the amount of coals in blends and its petrographic properties but not about the blending processes.

15:50-16:25 Carbon Materials Working Group

convenor: Georgeta Predeanu, Cornelia Panaitescu
presented by Magdalena Misz-Kennan

First Magda Misz-Kennan presented the objectives of this working group and the results that are: to describe the optical appearance of the carbon textures and highlight the morphological differences such as: optical texture and shape, optical type and size, to evaluate the origin of optical texture and the porosity development, to use the previous exercises classification scheme to distinguish between different classes considered both for the optical type (isotropic/anisotropic), and optical texture/shape (punctiform, mosaic, fiber, ribbon, domain) and size, to use previous experience of the ICCP Working Groups i.e. Coke Petrography and personal experience of the convenors, and to publish the results of Carbon Materials WG. Then she presented the participants of this WG and how their number changed within years as well as their distribution regarding the continents. After that, Magda presented how the samples were obtained and prepared for microscopic analyses and the methodology used in

this working group. She also presented the activity of this working group in 2009-2013, the terminology connected with carbon materials, and the classification of carbon materials. Then the comparative evaluation of the Carbon Materials WG exercises 2009-2013 was shown. The conclusions from this working group are: 1) during 2009-2013 there were prepared and carried out four Round Robin exercises; 2) the objectives of the Microscopy of Carbon Materials WG as they were established in 2008 in Oviedo during the 60th ICCP Meeting have been entirely and successfully fulfilled; 3) the preliminary results are the subject of some publications having all the participants as authors; 4) the complete results are the subject of an extended scientific paper and will be published in International Journal of Coal Geology; 5) the convenors propose some new carbon types (charcoal and activated carbons) with various uses in different applications (e.g. depollution purposes) for the next exercises; 6) the convenors are interested and happy to receive information on other carbon types (fuel cells, graphite intercalated compounds, carbon fibres, pyrolytic carbon, glassy carbon, C-C composites, carbon foams, others) that may be studied by optical microscopy within Carbon Materials WG.

After the presentation, Ashok Singh volunteered supplying Georgeta with samples of other carbon materials. Angeles Gomez Borrego thanked Georgeta for preparation the results of this WG for publication in International Journal of Coal Geology and stressed to keep the copy right in ICCP, not in Elsevier. The issue of copy rights in ICCP is very difficult as every time one has to deal with another person in Elsevier who does not quite know what to do. Isabel Suárez-Ruiz remarked that information about copy rights has to be sent again to convenors of WGs just to remind them of that problem.

16:25 - 17:10 - coffee break
After coffee break the meeting continued.

17:10 - 17:20 Coke Petrography Working Group
convenor: Lauren Johnson
presented by Magdalena Misz-Kennan

In 2014 there was no activity in Coke Petrography WG. The convenor, Lauren Johnson could not develop new activities this year. Magda presented the Recap of the 2013 Round Robin results: 1) key feedback from participants were the images were too dark; 2) the agreement between operators is very impressive; 3) good agreement of fused matrix/ unfused inclusions; 4) for carbon forms often choosing very similar Classifications. As future activity Lauren suggested: 1) to prepare a new Round Robin Exercise on a crushed coke sample; 2) for that an Australian mid- volatile coal, will be coked in a pilot scale oven; 3) participants will be asked to count the microtextures applying the Diessel Method which was already used in the previous round robin; 4) participants should also take photographs of the various carbon forms that they observe; 5) this exercise will commence in late November.

17:20 - 18:10 Self-heating Working Group
convenors: Magdalena Misz-Kennan, Jolanta Kus, Deolinda Flores

First Magda Misz-Kennan presented the aims of the Self-heating Working Group and past activities in the period 2008-2013. She also presented main factors influencing morphology of thermally altered organic matter in coals wastes undergoing self-heating and the activities developed in the period 2009-2013. Peter Crosdale sent coals from self-heating experiments for the purpose of this WG but there are only minor changes detected microscopically and for that reason the coals were regarded as unsuitable for the Round Robin Exercise in this WG. During previous meetings participants agreed with the proposed classification of the organic particles and that reflectance is helpful in classifying the organic forms. The difficulty which remains is how to present the forms: to use square (if so, of what size) or to use arrow or cross hair. After general discussion, it was decided that cross hair should be used for identification of thermally altered organic matter in the coal wastes. Another issue to be solved is whether the present classification should be modified with regard to quantitative assessment. In the beginning, activity of the WG was concentrated on the morphology of the organic matter in self-heated coal wastes. The proposed classification used for identification is very difficult to apply the purpose of quantitative analysis. With regard to that the following classification was proposed:

1) Unaltered particles - macerals of vitrinite, liptinite and inertinite group that were optically not altered by self-heating processes

2) Altered particles - particles that were altered to various degree during self-heating;
   a) porous particles - particles with porosity >75%
   b) mixed porous particles - particles with porosity 25-50%
   c) mixed dense particles - particles with porosity 50-75%
   d) massive particles - particles with porosity <25%
   e) massive particles with cracks - particles with porosity <25% and containing irregular cracks within the particle or perpendicular to the edge of the particle
   f) massive particles with oxidation rims - particles with porosity <25% and paler or darker in colour oxidation rims (comment: regarding the rank, we have only paler or darker in colour oxidation rims)
3) Newly formed particles - particles that formed during self-heating processes:
   a) Pyrolytic carbon
   b) Bitumens

Angeles Gomez Borrego suggested that we need to focus on the key issue derived from the analysis of thermally altered organic forms in coal wastes. She pointed out that it is useful to know whether the coal wastes were subjected to self-heating or not. At a later stage, it might be of importance to derive the dominant processes governing the thermal alteration and the quantification of the thermally altered or newly formed particles. Dr Gupta suggested that we only need to divide these forms into three categories: Unaltered particles, altered particles and newly formed particles (pyrolytic carbon and bitumens). Isabel suggested that the established classification might be similar to that existing for fly ashes. Finally, it was agreed that the existing classification should be modified according to the suggestions and that a new exercise should be send to participants. The results of this exercise will be presented during the next ICCP Meeting. If good agreement be obtained, the classification will be published in International Journal of Coal Geology. In future, a similar atlas as for fly ash can be prepared.

The meeting finished at 18:10 and Isabel closed the session.

Monday, September 22, 2014

The meeting started at 09:15 with 37 participants. Isabel Suárez-Ruiz presented the plan of work for the Commission III for September 22, 2014.

09:15 - 11:20 Fly Ash Working Group
convenors: Isabel Suárez-Ruiz and Bruno Valentim

Isabel Suárez-Ruiz presented the main reasons for the proposal of Fly Ash Working Group that are: 1) to identify all the organic (unburned carbons) and inorganic components in fly ashes by using optical microscopy; 2) to classify all these components and so, to establish an ICCP classification which can be internationally accepted. The main reason for this proposal were that 1) the pre-existing published classifications (via optical microscopy) of fly ash components do not cover all types of particles that can be found in fly ash samples; 2) the very detailed ICCP char classification does not take into account inorganic components or does not well fit with some type of fly ash carbons; 3) other published classifications of fly ash components are inexact or incomplete or extremely complex to be used in a practical way; 4) a stardardised identification and classification of fly ash components with well defined criteria would permit the correlation between the type on unburned carbons and their phisyco-chemical properties, its ability for the retention of some trace elements, particularly Hg, or its behaviour in graphitization processes, 5) a standardised identification and classification of fly ashes component would permit a better identification of these anthropogenic particles when found in natural environments (soil, water, air). The result of this Working Group was the preparation of the Atlas of fly ash components based on images taken in 2007, 2009 and 2011 exercises with a level of agreement of AG ~ 80-100%, and distribution in 2014 the first version of the Atlas among the WG participants for comments that would improve the Atlas. Than Isabel presented the outline of the Atlas. She gave the names of people who participated in preparation of the Atlas. Isabel presented the content of individual parts of the Atlas: introduction; aim of the atlas; provenance of fly ash; samples, preparation and photomicrographs; selection of fly ash photomicrographs; petrographic classification of fly ash (established in 2012 in China);

description of fly ash components - she presented examples of particles on various levels of their identification, of optical character of fly ash particles; the ICCP char classification by Lester et al. (2010); organization of photomicrographs; Atlas index and showed how to easily see particles of various type, origin etc.; bibliographic references. Isabel also gave examples of plates in the Atlas with the particles and their identification on various levels. She presented in detail the classification of fly ash on several levels: nature (organic fraction of fly ash carbons, inorganic fraction), character (fused, unfused, components metallic, non-metallic), structure/morphology (dense/massive, porous/vessiculate), optical texture, origin, and type of particle. The Atlas contains about 500 microphotographs of various particles. The position of the buttons of the Atlas are a bit overlapping with the buttons on the screen of computer. Then Isabel asked for comments about the Atlas. Joan Esterle remarked that the Atlas is very beautiful and can be used as training exercise. Isabel said that the aim of the Atlas was not only to prepare a publication in international journal but also to make a training material. The future work on fly ash has to be established. At the moment the Atlas still need some more slight corrections and then the cost of it will be established. The cost of the Atlas might be connected with posting. An Indian participant asked how the technological processes can be established on the base of the Atlas. Isabel replied that the structures and textures in chars are related to the combustion processes. Nandita Choudhury asked if we can put the name on the individual forms. Angeles Gomez Borrego remarked that it is just classification of chars that can be carried on various levels. She also congratulated the people who contributed to the Atlas and remarked that the Atlas has great teaching potential. The Atlas might be given for free in the secret part of ICCP web page. That could be considered but decision has not have to be taken now. Isabel also remarked that she is going to publish this classification of fly ash in International Journal of Coal Geology. Petra David emphasized that the information about the Atlas has to be spread. An Indian participant asked if there are any examples of fly ashes from India. Isabel replied that nobody has sent her the samples. The Indian participant asked who will pay for sending the samples and Isabel replied that ICCP will be paying the posting charges. She was very grateful for the samples to be sent to her. Another Indian participant asked if fly ashes from lignite are included in that Atlas and Isabel responded that no. Another Indian participant remarked that the work is not complete as no samples of Indian chars are included in it and the Atlas needs more samples. Angeles Gomes Borrego remarked that the Indian coals might be only slightly different and the classification can apply to fly ashes from all over the world irrespectfully of the geographical locality of the fly ash. Nandita Choudhury suggested that terms like partially fused should also be included in the Atlas and Isabel replied that in the Atlas they try to avoid such terms like partially fused to simplify the classification and they only apply terms like fused or unfused. In the classification they have to think about of applying the classification for point counting. In organic analyses there are point counting and reflectance measurements. And in the Atlas we classify that what is under cross hair. An Indian participant remarked that the classification is not dealing with products from steal industry and Isabel emphasized that the Atlas is dealing only with particles from combustion in power plants and stoker boilers. Angeles Gomez Borrego remarked that there are no samples coming from steal industry and that there is the ICCP Atlas of environmental particles already exists. Isabel additionally emphasized that the Atlas is only for combustion products and steal industry is not included in that. An Indian participant remarked that some fly ash particles has very strange morphology and that he will supply samples that can be added to the Atlas. The chars in these samples have very strange morphologies that are not seen in the Atlas. Isabel remarked that combustion conditions influence the morphologies of chars and that now in Europe coals from all over the world are burnt. The Atlas is open to samples and other versions of it might include more examples from more countries. Joan Esterle suggested that round robin exercise can be based only on Indian coals. At the end Isabel remarked that in the ICCP working groups people have been working on specific topics for years. Participants can reach the working groups at any time and join them. The working groups are open even for non ICCP Members and everybody is welcomed. She suggested visiting regularly the ICCP web page for news.

After coffee break the com. III started working at 11:20.

11:20 - 11:35 Characterization of Gasification Products Working Group
convenor: Nikki Wagner
presented by Isabel Suárez-Ruiz

Isabel Suárez-Ruiz presented the objectives of this WG. This WG was active only for one year. This year both Isabel and Magda got e-mail from Nikki that Isabel read during the meeting. There were not any developments on this WG this year. Nikki plans to prepare an exercise for next year. Up to now she did not get any support from other ICCP members. In recent years she was very busy and that also caused the present situation. Isabel and Magda suggested that Nikki could be given another year and should prepare the next year exercise. Gasification products are very interesting and the WG should continue. If there be no exercise next year, than an attempt should be taken to find somebody who would convey the WG.

11:35 - 11:45 Improved image analysis Working Group
convenor: Christina Rodrigues

Isabel Suárez-Ruiz remarked that this Working Group is another inactive WG. For three years there was not any activity in this WG and Christina is not responding to e-mails. Isabel asked for advice on this WG. Joan Esterle suggested to try to contact Christina on this WG. Peter Crosdale remarked that if there is nobody interested in working in this WG than it should be closed. Isabel suggested that the options are: to close the WG and to get reports, minutes on this WG from Christina and if she is no willing to work on this, to find another convenor. Isabel remarked that she will try to get information from Christina on this WG and find another convenor. Petra David suggested that Christina should be contacted and a clear statement should be obtained if Christina is going to work on it or not. And then the decision should be made. The members of this WG should be contacted as well.

11:45 - 11:55 Structural Order Accreditation Program
convenor: Sandra Rodrigues
presented by Isabel Suárez-Ruiz

Structural Order Accreditation Program is a possible accreditation program based on the previous WG that was conveyed by S?awka Pusz. The convenor of this program is Sandra Rodriques what was agreed during last year ICCP Meeting. This year Sandra could not work on this program. Walter Pickel suggested to run a testing Round Robin exercise. Isabel remarked that such exercises were carried out in the past within the S?awka's WG but another exercise can be carried out. Angeles Gomez Borrego asked if there are enough people to participate in that program and the program makes sense only if there is enough participants. Isabel remarked that Sandra will make contact with people who might be interested. First of all, all members of ICCP should get information about the program and on the base of responses it will be known how many people are really interested in that. Peter Crosdale recommended doing additionally maximum reflectance measurements what should be one of the most important parameters to be determined in that program. That might increase the possibility of enlarging the amount of people possibly interested in the exercise. That is in connection with anisotropy. Isabel remarked that together with Magda she will send this information to Sandra and we see what will happen. Paddy Ranasinghe suggested carrying the round robin exercise on oriented coal sections and Isabel remarked that instead of using oriented samples we have to use petrographic pellets where the particles are randomly distributed and that will allow some mathematical formulas. Oriented sections are very difficult.

11:55 - 12:10 - Closing Remarks
by Isabel Suárez-Ruiz

The meeting of Commission III started on Sunday September 21, 2014 in the afternoon and continued till about midday Monday September 22. In this commission Identification and Petrographic Classification of Components in Fly Ashes WG, Self-heating of Coal and Coal Waste WG, Coke Petrography WG, Microscopy of Carbon Materials WG, and Coal Blends Accreditation Program - CBAP are active and Characterization of Gasification Products Working Group and Improved Image Analysis Working Group are inactive. Isabel Suárez-Ruiz remarked that the web page of commission III was substantially updated.

Samples for Coal Blend Accreditation Program will be sent later this year and the results are expected by April 15, 2015. All the statistical

evaluation is carried out manually by the convenor and that is very time consuming. The program requires a data base that will much simplify the work of the convenor.

Carbon Materials Working Group finished part of its activity with publication of classification of carbon morphological forms in International Journal of Coal Geology keeping the copy rights in ICCP. The working group will continue with working on carbon forms in other materials.

Coke Petrography WG was inactive this year. Later this year a round robin exercise will be prepared that results will be presented during next ICCP Meeting.

Within Self-heating WG the modification of existing classification was discussed. The classification should be prepared in a similar way, on several levels, as fly ash classification. The form under cross hair should be recognized. Later this year a new round robin exercise will be sent to participants.

On Monday the Fly Ash WG was discussed. The Atlas of various (organic and non-organic forms) was presented. The Atlas is a great success and should be used as a teaching tool after small modifications. The conditions under which it will be available, will be discussed in near future. The classification included in this Atlas will be published in International Journal of Coal Geology. Characterization of Gasification Products WG was inactive this year. For next year the convenor promised to prepare a round robin exercise. If not, an attempt should be taken to find a new convenor. Structural Order Accreditation Program was proposed last year. E-mail informing about the program should be sent to all ICCP Member additionally informing that it will include maximum reflectance measurements.

Improved image analysis Working Group has not been active for a number of years. The convenor should be contacted and decide if she want to work with this WG or not. If next year there will be no positive response, the convenor should be changed or the WG should be closed.

Finally the Commission III session was closed for 2014.

Minutes of the 66th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
20th - 27th September 2014, Kolkata, India

Appendix 2 - Organising Committee

Patrons

Prof. H. K. Gupta
Chairman, CSIR-CIMFR, Research Council, Dhanbad
Dr. Shailesh Nayak
Secretary, Ministry of Earth Sciences, New Delhi
Dr. Arup Roy Choudhury
Chairman, National Thermal Power Corporation, New Delhi
Mr. C. S. Verma
Chairman, Steel Authority of India Limited, New Delhi

Advisory Committee

International Advisory Committee

Dr. Petra David, President, ICCP, Germany
Dr. Angeles Borrego, General Sec., ICCP, Spain
Dr. Joan S. Esterle, Australia
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Dr. Colin Ward, Australia
Dr. Lila Gurba, Australia
Dr. Isabel Suárez-Ruiz, Spain
Dr. Stavros Kalaitzidis, Australia
Ms. Jolanta Kus, Germany
Dr. Paul Hackley, USA
Dr. Shifeng Dai, China
Dr. Judith Po..er, Canada
Dr. Deolinda Flores, Portugal
Mr. Graham O'Brien, Australia
Dr. Rajender Gupta, Canada
Dr. Sushil Gupta, Australia
Dr. Ivana Sýkorová, Czech Republic
Mr. Paddy Ranasinghe, Australia
Dr. Magdalena Misz-Kennan, Poland
Dr. Georgeta Predeanu, Romania
Dr. Lopo Vasconcelos, Mozambique
Dr. Thomas Gentzis, USA
Dr. H. I. Peterson, Denmark

National Advisory Committee

Mr. B. Surender Mohan, Chairman, NLC, Neyveli,.
Mr. Sutirtha Bhattacharya, CMD, SCCL, Singareni,
Mr. N. Kumar, CMD, SECL & Dir. Tech., CIL, Kolkata,
Mr. T. K. Lahiry, CMD, BCCL, Dhanbad,
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Mr. T. V. Narendran, MD, Tata Steel, Jamshedpur
Mr. A. K. Jha, Director (Technical), NTPC, New Delhi
Mr. N. K. Verma, Director, Explora..on, ONGC, New Delhi
Mr. Shekhar Sharan, Dir. Tech, CMPDIL, Ranchi
Mr. S. K. Sinha, MD, Saurashtra Fuels, Ahmadabad

Organizing Committee

Chairman, Organizing Committee

Dr. Amalendu Sinha
Director, CSIR-CIMFR, Dhanbad

Organizing Secretary & Convener
Dr. Ashok K. Singh
Principal Scientist, CSIR-CIMFR, Dhanbad

Organizing Committee

Dr. P. Pal Roy, CIMFR, Dhanbad
Mr. A. K. Ghosh, CIMFR, Dhanbad
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Dr. K. B. Singh, CIMFR, Dhanbad
Dr. L. C. Ram, CIMFR, Dhanbad
Prof. Mahendra P. Singh, BHU, Varanasi
Mr. R. K. Sharma, ONGC, Ahmadabad
Dr. Rudra P. Singh, ONGC, Ahmadabad
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Mr. T. K. Das, RDCIS, SAIL Ranchi
Dr. A. K. Varma, ISM, Dhanbad
Dr. P. K. Banerjee, Tata Steel, Jamshedpur
Mr. S. R. K. Rao, CIMFR, Dhanbad
Mrs. Nandita Choudhury, CIMFR, Dhanbad
Dr. B. D. Singh, BSIP, Lucknow
Mr. S. Biswas, CIMFR, Dhanbad
Dr. P. K. Singh, CIMFR, Dhanbad
Mr. T. Gouricharan, CIMFR, Dhanbad

Working Committee

Mrs. Nandita Choudhury, CIMFR, (Chairman)
Dr. V. K. Singh (s), CIMFR, Dhanbad
Dr. H. K. Mishra, NIT, Rourkela
Dr. J. Maitra, CMPDIL, Ranchi, Jharkhand
Dr. Alpana Singh, BSIP, Lucknow
Dr. Alok K. Singh, RGIPT, Rae Bareilly
Mr. Prashant K. Roy, CIAL, Kolkata
Dr. S. G. Chaudhuri, Kolkata
Dr. Ajay Kumar Singh, CIMFR, Dhanbad
Dr. Ajoy Kumar Singh, CIMFR, Dhanbad
Mr. Santosh K. Singh, CIMFR, Dhanbad
Dr. Arvind K. Singh, CIMFR, Dhanbad
Dr. A. K. Sharma, CIMFR, Bilaspur
Dr. Shripal Singh, CIMFR, Nagpur
Mr. M. L. Banra, CIMFR, Ranchi
Dr. Abhay K. Singh, CIMFR, Dhanbad
Mr. B. Ghosh, CIMFR, Dhanbad
Mr. P. Boral, CIMFR, Dhanbad
Mr. N. K. Shukla, CIMFR, Dhanbad
Mr. Saroj Kumar, CIMFR, Dhanbad
Mr. P. G. Deogharia, COA, Dhanbad
Mr. Ashok Kujur, FAO, Dhanbad
Mr. Sanjay Kale, SPO, Dhanbad
Mr. Ravi Shankar, CIMFR, Dhanbad
Mrs. Priya Kumari, CIMFR, Dhanbad
Ms. Neelam Kumari, CIMFR, Dhanbad
Mr. Prakash Bediya, CIMFR, Dhanbad

Kolkata as depicted by the sand artist

Appendix 3 - New Members

The following colleagues were elected to Associate Membership of the ICCP during the course of the year submitted to the General Assembly for confirmation:

Dr. Paula Alexandra Gonçalves (A1, 2) Portugal. ICCP News #59
Dr. Yulin Li (A3) Canada. Introduced in ICCP News #59
Dr. Humberto Carvajal (A2) USA. Introduced in ICCP News #59
Mr. Brett Valentine (A1,2) USA. Introduced in ICCP News #60
Ms. Agnieszka Furmann (A2) USA. Introduced in ICCP News #60
Mr. Keno Lunsdorf (A2) Germany. Introduced in ICCP News #60

One new member was admitted during the course of the meeting as approved by the General Assembly:

Dr. Runcie Paul Mathews (A1, 2, 3) India. To be introduced:

Dr. Runcie Paul **Mathews** (A1, 2, 3)
Birbal Sahni Institute of Palynology
53- University Road
Lucknow
India-226007

Ph: +91 0522 2742930 (Office)
+91 9628247652 (Mobile)
mailto:runciepaulmathews@gmail.com

Dr Mathews received his PhD from Dept. of Earth Sciences, IIT Bombay in 2012. His Thesis topic was "Petrology, Palynology and Organic Geochemistry of Eocene Matanomadh Lignite Bearing Sequence, Kutch Basin Western India". These studies investigated the source vegetation, environment of deposition and hydrocarbon source potential. Dr Mathews currently studies the petrology, palynology and organic geochemistry of Tertiary lignites of southern India ((Neyveli, Ratnagiri and Warkkalli lignites) and western India (Rajasthan Basin, Saurashtra Basin).

Minutes of the 66th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
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Appendix 4 - Editor

Short Report of the ICCP Editor 2012 - 2013 Financial Year

by
Dr Peter Crosdale

Activities for 2013 - 2014 Financial Year

ICCP News

Distribution

Three issues of ICCP News were made during 2013 - 2014 financial year, *viz* No. 57 July 2013, No. 58 March 2014 and No.59 May 2014. Numbers of newsletters posted and their distribution by region are indicated on Table 1.During the year, the number of persons not receiving a hard copy of the newsletter was constant at around 100. After rapid increases over the previous few years, this number appears to have stabilised (Table 2). In addition, one copy of ICCP News is deposited with the National Library of Australia, in keeping with the requirements of ISSN registration. Email advice of availability of the pdf version is sent to International Journal of Coal Geology and the TSOP Editor.

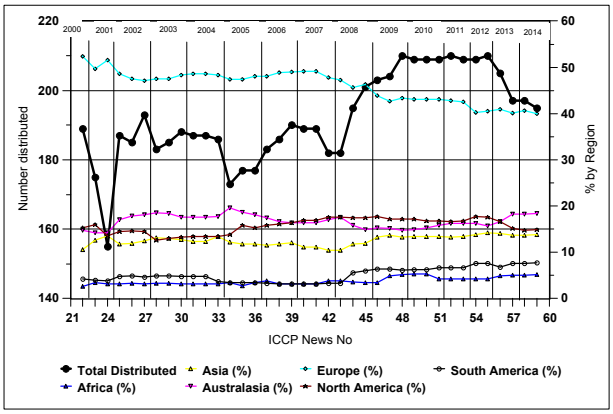
Table 1 *Mail distribution by region*

	ICCP News 57		ICCP News 58		ICCP News 59	
Region	No.	%	No.	%	No.	%
Africa	3	4	3	4	3	4
Asia	14	17	14	17	14	18
Australasia	16	20	16	20	16	20
Europe	35	43	36	44	34	43
North America	11	13	10	12	10	13
South America	3	4	3	4	3	4
Total	82	101	82	101	80	102

Table 2 *Web download only distribution by region*

	ICCP News 54	ICCP News 55	ICCP News 56	**ICCP News 57**	**ICCP News 58**	**ICCP News 59**
Africa	6	6	7	**7**	**7**	**7**
Asia	9	10	11	**13**	**13**	**13**
Australasia	16	16	17	**20**	**20**	**20**
Europe	39	39	40	**44**	**44**	**44**
North America	17	17	15	**19**	**19**	**19**
South America	13	13	11	**12**	**12**	**12**
Total	100	101	101	**115**	**115**	**115**

Memberships trends can be derived from the distribution of the ICCP News. These records have been kept since ICCP News #21 in November 2000. No similar historical trend data appears to be available from other sources. Membership has been relatively stable at around 200 since 2011. A large fall in 2001 was associated with many members being removed due to non-payment of fees. However, many of these persons were subsequently recovered in 2002. There has been a substantial increase since 2007 which has been driven by an increase in the number of non-European members.



Historical distribution of the ICCP News is a proxy for membership numbers as well as regional distribution of members. Totals include both hard copy and internet download.

Format and content

The basic format of ICCP News, established in ICCP News No. 22 (October 2000), has remained unchanged.

Table 3 *Summary of contributions to ICCP News by type*

	2013 - 2014		
	no. items	no. pages	% pages
News from Commissions	1	13.5	11
News from Council (Ed/ Pres/ Treas)	7	5	4
Meeting minutes	1	34.5	29
Next Meeting Information	3	30.5	26
Accreditation	2	3	3
Other ICCP Information	16	23	19
Scientific Articles	1	2.5	2
Other Articles	2	2	2
Miscellaneous Items (KYCP etc)	8	4	3
Total	41	118	99

Content for the issues has been categorised (Table 3) and some statistical information provided. Apart from working group reports, contributions from members still requires a substantial effort to attract items. This effort includes both a general email-out to all members about one month prior to printing as well as targeting particular members for contributions. The Chairs of the Commissions are also reminded 4 to 6 weeks prior to printing for news of working group activities or other relevant commission information. A close liaison is also maintained with the convenor of the upcoming meeting to ensure that timely and relevant information is published.

Advertising

The possibility of paid advertising was introduced for the first time in 2009 - 2001, with the schedule of rates approved by the 2009 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 paid advertisement was made in 2013 - 2014, advertising.

Costs

Monitoring of costs has continued since a steep rise in 2004 - 2005 from 0.15 to 0.21 to 0.29 AUD per page. The printing costs are now stable at around 0.08 to 0.09AUD per page by negotiating a new price with the printers in late 2005. The per copy costs were $4.18 and $7.65AUD for issues 55 and 56 respectively.

Table 4 *ICCP News Costs in AUD*

Year	2013	2014	2014
Newsletter No.	57	58	59
No. Pages	32	56	36
No. Copies printed	85	90	110
Printing	239.42	376.00	354.92
Postage - international	244.91	350.91	235.92
Postage - domestic	19.60	29.40	27.00
Stationery - envelopes	0.00	0.00	0.00
Stationery - labels	0.00	0.00	0.00
Total	503.93	756.31	617.84

Reconciliation of budgeted versus actual costs

Cost estimates are reconciled with the actuals in Table 5.

Table 5. *Budgeted (B) versus Actuals (A) for the 2013 - 2014 financial year*

Item	Number of pages		Number of copies printed		Total cost per page (AUD)		Total Cost AUD (whole dollars only)	
	B	**A**	B	**A**	B	**A**	B	**A**
ICCP News 57	32	**32**	110	**110**	0.21	**0.18**	672	**618**
ICCP News 58	64	**56**	110	**90**	0.15	**0.15**	1104	**756**
ICCP News 59	28	**36**	110	**85**	0.17	**0.16**	547	**504**
Directory	24	**0**	210	0	0.13	**0.00**	655	**0**
Miscellaneous							50	**0**
Total	138	**124**					3028	**1878**

Actual expenditure was $1550AUD lower than budgeted. This is a result of printing and posting fewer copies than predicted and failure to produce a new membership directory as budgeted for.

Proposals for 2014 - 2015 Financial Year

ICCP News - Number of editions

Three editions of ICCP News were produced in 2013 - 2014 and it is proposed to produce 3 ICCP News editions for 2014 - 2015, #60 September 2014, #61 November 2014 and #629 March 2015.

ICCP Directory 2013

A new ICCP Directory is scheduled for 2014 in collaboration with the General Secretary and Treasurer.

Budget estimates for 2013 - 2014

Budget estimates for production of ICCP News in 2014 - 2015 are given below. Estimates are based on an average total costs per page, which includes postage.

Costs to date and projected costs of ICCP News in the 2013 - 2015 financial year

Item	Number of pages	Number of copies printed	Cost per page (AUD)	AUD
ICCP News 60	32	85	0.21	571
ICCP News 61	64	85	0.15	816
ICCP News 62	28	85	0.17	405
ICCP Directory	24	210	0.13	655
Miscellaneous [a]				50
Total Projected				**2497**

Notes: [a.] Miscellaneous items include CD ROMs, additional postage and stationery during the year and other small items.

Peter Crosdale

Science City, Kolkata

Appendix 5 - Treasurer

ICCP
Treasurer's Report
August 1, 2013 – July 31, 2014

It has been a busy year for the ICCP, a new round for the accreditation program, a training course in June at Potsdam, membership renewals and publication sales.

This year it was decided to close the Euro account that is held in the bank in Canada and all funds were moved into the Canadian dollar account. Dealing with an euro account in a Canadian bank was very frustrating, inconvenient and not very practical, it is much easier to have everything in the Canadian account. When the euro account was closed the final balance of €25,321.48 was transferred at a rate of 1€=$1.4886Can, giving a total of $37,693.56 in Canadian dollars.

Many thanks go to Dr. Geoff Taylor once again, for donating the royalties from his book, a total of $97.80 (€67.07). Other receipts during 2013/2014 include membership fees €3,796.39, fees for the SCAP (7,035.05), CBAP (3,995.44) and DOMVR (2,385.40) programs came to a total of €13,415.89. Fees for the seventh training course at Potsdam were €6,600, sales of publications came to €360.90, and interest in our savings account €289.64.

Expenses include €2,108 for bank and credit card charges, €942.29 for SCAP and €1,707.12 for DOMVR, the training course cost €6,387.64, so we made a small profit, and administration costs were €1,467.

The Balance sheet shows the final balance of all accounts compared with those of the previous year. Almost all of the money is held in Canadian dollars, but on the balance sheet everything is converted to euros. It shows that our closing amount for 2014 has grown in spite of a loss on the exchange rate. The final balance is 10.4% higher than last year, but when working in Canadian dollars it is 17.7% higher.

Table 2: Balance Sheet

Assets & Liabilities	July 2013	July 2014
Canadian Account		
Chequing Account	$32,888.41	$88,800.93
Savings Account	52,361.73	52,784.06
Cash	131.85	401.35
Total	**$85,381.99**	**$141,986.34**
Exchange rate at year end	$1 = €0.7313 =€62,439.85	$1 = €0.6858 =€97,374.23
Euro Account		
Chequing Account	€26,943.48	€0.00
Cash	936.00	966.00
SCAP Float	-11.18	546.53
General Secretary	-1466.57	0.00
President	720.77	0.00
Total	**€27,122.50**	**€1,512.53**
Balance in Euros	**€89,562.35**	**€98,886.76**

Table 3: Statements for ICCP Courses

Potsdam Germany June 2014	
Money collected	€6,600.00
Costs	
Airfares	1,910.00
Hotels	1,196.40
Allowances	970.00
Travel – Taxi etc	102.53
Dinner	482.45
Gifts	74.65
Engraving OPA Joao	40.82
Catering	1,565.77
Bank Charges and Credit card Charges	45.02
Total Costs	**€6,387.64**
Profit (Loss)	**€212.36**

Table 1: Income Statement as of July 31, 2014 in Euros.
Canadian $ amounts converted to Euros using exchange rate at end of July 2014. ($1.00Canadian = €0.6858)

		Column 1 Can $	Column 2 Euros	Column 3 Total in €
Opening Balance – July 31/2013				
Canadian Accounts		$85,381.99		€58,554.97
Euro Accounts			€27,122.50	€27,122.50
TOTAL				**€85,677.47**
Receipts:				
Membership Dues		1987.01	108.00	€1,470.69
Prepaid Membership		3017.94	256.00	€2,325.70
Donation		97.80		€67.07
Sales		526.25		€360.90
Accreditation :	SCAP	10,098.93	109.20	€7,035.05
	DOMVR	3,245.85	159.40	€2,385.40
	CBAP	5,507.50	218.40	€3,995.44
Organic Petrology Course		9,884.13		€6,778.54
Bank Interest Received		422.33		€289.64
Transfer to cash			2,500.00	€2,500.00
Transfer to Gen Sec			3,854.91	€3,854.91
Transfer to President			3,190.15	€3,190.15
Transfer to SCAP			1,500.00	€1,500.00
Transfer from Euro Account		37,693.56		€25,850.24
TOTALS		72,481.30	11,896.06	**€61,603.73**
Expenses:				
Credit Card and Bank Charges		3061.16	9.00	€2,108.34
Administration		81.85	1,410.90	€1,467.03
Accreditation:	SCAP		942.29	€942.29
	DOMVR	1693.80	545.51	€1,707.12
Org. Pet. Course		2331.74	4776.85	€6,375.96
Transfer to President		4,772.15		€3,272.74
Transfer to Gen Sec		3,221.80		€2,209.51
Transfer to Cash		714.45	4,500.00	€4,989.97
Transfer to Canadian Account			25,321.48	€25,321.48
TOTALS		15,876.9	37,506.03	€48,394.44
FINAL BALANCE				**€9,8886.76**

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Appendix 6 - Council

Council Meeting started at 15.00 h on 20th September, resuming at 17.00 h on 23rd September.

Members of Council present, *Petra David*, President, *Angeles Gómez Borrego*, General Secretary, *Peter Crosdale* Editor & Vice-President elect, *Deolinda Flores*, Chair Commission I, *Stavros Kalaitzidis,* Secretary Commission I, *Jolanta Kus*, Acting Chair and Secretary of Commission II, *Isabel Suárez Ruiz*, Chair Commission III, *Magdalena Misz-Kennan*, Secretary of Commission III

Apologies: Jennifer Pearson, Treasurer, Jolanta Kus, acting Chair and Secretary of Commission II attended only the second Council Meeting

2. Minutes of Previous Meeting

Minutes of the Council and of the Plenary Sessions of the Sosnowiec Meeting were approved.

Resolution ICCPC14/2/1. Council approves the Council minutes as circulated.

Resolution ICCPC14/2/2. Council approves the Plenary Session minutes as printed in the ICCP Newsletter.

4. Future meetings

Resolution ICCPC14/4/1. Council thanks the organizers of the initially scheduled 2015 Meeting in Mozambique for advising so early of the foreseen difficulties with the organization and hope to have the meeting in Mozambique soon.

Resolution ICCPC14/4/2. Council thanks the organizers for invitation to hold the 2015 Meeting in Sulaymaniyah and for moving the invitation from 2016 to 2015 and hope to have the meeting in Sulaymaniyah soon.

Resolution ICCPC14/4/3. Council thanks the organizers for invitation and approves the organization of the 2015 Meeting in Potsdam, Germany.

Resolution ICCPC14/4/4. Council put forward to the General Assembly to approve to hold 2017 Meeting in Sulaymaniyah, Kurdistan if the political situation is stable and it is safe in 2016.

Resolution ICCPC14/4/5. Council put forward to the General Assembly to approve to hold 2016 Meeting in Houston if the date for the meetings can be changed to September 2016.

5. Awards

5.1. Thiessen Award

Resolution ICCPC14/5/1. Council thanks the Thiessen Medal Award Committee for the feed back and will publish the following information in the ICCP News regarding the Thiessen Medal Award:

This is the highest award offered by ICCP. It recognises significant achievements and outstanding contributions in the fields of coal and organic petrology.

Aspects to consider include:

- Significant contribution to the advancement of any branch of organic petrology on either fundamental or applied studies (or both) and consideration should be given to publications in any language.
- Contribution to the utilization of petrographic studies relating to industrial activities.
- Contribution to training, education and dissemination of organic petrology science, including establishment of organic petrology laboratories in countries with less tradition of organic petrology.
- Contribution to positioning organic petrology within other branches of science.

Members submitting a nomination should provide:

- A detailed CV including bibliography
- A supporting letter of sufficient detail to provide the basis for a laudation
- Submission of candidate's most important publications (preferably in pdf format) is required. Translations of publications in some languages may be requested

Notes:

- Nominations should be kept strictly confidential. Collaborative schemes in which additional support for a candidate is solicited or to which a candidate is party could result in a nomination being nullified.
- Nominators of unsuccessful candidates would not be notified of their candidate's failure to be selected. Letters of nomination will be kept on file for consideration in subsequent years. It will not be necessary for sponsors to repeat their applications unless they wish to update their candidate's CV.

The award consists of a bronze medal. The award committee consists of the five most recent medalists. Awards are made from time to time but applications are called for every 2 years.

5.2. Organic Petrology Award

Resolution ICCPC14/5/2. Council welcomes the new OPA Sub-Committee

Resolution ICCPC 14/5/3. Council approves that the 2014 Organic Petrology Award is awarded to

Dr. Magdalena Misz-Kennan

Resolution ICCPC 14/5/4 :Council thanks the OPA Sub-Committee for evaluating the documents and providing the laudation.

6. ICCP Student Grant

Resolution ICCPC14/6/1. Council forwards to the Plenary Session the rules for awarding the student grant that will be published in the ICCP News.

7. Elections

Resolution ICCPC14/7/1. Council congratulates the Vice-President of ICCP initiating his turn in 2014 and thanks the candidates standing for elections.

8. Membership

Resolution ICCPC14/8/2. Council forwards to the Plenary Session that as part of the fee structure, Associate and Full members who also received the Thiessen Medal will have their membership fees waived.

9. Treasurer's Report

The Treasurer's Report as shown in Appendix 5 was presented to the Council

Resolution ICCPC14/9/1. Council
i) receives the report presented by the Honorary Treasurer
ii) agrees that the report represents a fair statement of the financial affairs of the ICCP and congratulates the Honorary Treasurer on the report.

10. Editor

The Editor' s Report published in Appendix 4 was presented to the Council

Resolution ICCPC14/10/1. Council receives the report of the Editor and congratulates him on the presentation of the Newsletter.

Resolution ICCPC14/10/2. Council approves spending by the editor in accordance with the budget estimates given in the Editor's Report

11. Accreditation

Resolution ICCPC14/11/1. Council receives the report of the Chair of the Accreditation Sub-Committee and the Organizers of the SCAP and DOMVR and congratulates them on the report, and thanks the three Organizers of the ICCP AP for their tremendous work.

Resolution ICCPC 14/11/2. Council approves expenditures up to 1000 EUR for assistance in improving the excel datasheets

12. ICCP Training Activities

Resolution ICCPC14/12/1. Council notes the large involvement of Andreas Küppers and Antje Treutler as organizers, Petra David as supporting the organizers and of the ICCP Vice-President as responsible for the training activities in the organization of the training course on Dispersed Organic Matter and congratulates them for the work. Council notes the enormous amount of work involved in teaching the intensive ICCP course and express that ICCP is deeply in debt with Dr. João Graciano Mendonça Filho and Dr. Angeles G. Borrego for having accepted this challenge.

Resolution ICCPC14/12/2. Council notes the enormous amount of work involved in preparing the intensive ICCP course on Organic petrology for industrial applications and express its gratitude to the trainers Dr. Isabel Suárez-Ruiz and Dr. Walter Pickel.

Resolution ICCPC14/12/3. Council thanks the Vice-President Peter Crosdale and acknowledges his attempts to sort out the difficulties with the organization of the course.

13. ICCP Website and Image Database

Resolution ICCPC14/13/1. Council notes that major improvements have occurred in updating the information on the webpage and thanks the effort done by Commission's Officers and Ralph Delzepich.

Resolution ICCPC14/13/2 Council requests the implementation of the changes required by the Commission officers for further improvement of the website.

In addition a section of the webpage will be created to accommodate an online version of the handbook according to Resolution ICCPC14/14/1

Resolution ICCPC14/13/3. Council approves expenditures up to 1000 EUR for maintenance of the webpage.

14. New Handbook

Regarding ICCP Handbook on the public part of the website

Resolution ICCPC14/14/1. Council approves that the ICCP Classifications and Handbook will uploaded to the public part of the ICCP website

Regarding assuring that ICCP classifications are recognized as ICCP publications, rather than publications of individuals

Resolution ICCPC 14/14/2. Council approves that classifications will be published with ICCP as author. Names of authors will be named.

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Appendix 7 - Student Grants

ICCP Student Travel Grant

Purpose: The ICCP Student Travel Grant is designed to support student attendance at the ICCP Training Courses.

Eligibility: The ICCP Travel Grant supports qualified MSc and PhD students from around the world, who are active in fields related to the Themes of ICCP. Applicants who have previously been granted an ICCP Travel Grant are not eligible to apply for a second grant under the scheme. The ICCP Travel Grant is open to students who express interest to attend the ICCP Training Courses.

Grants: One Grant up to Euros 1,000.00 plus the course fees will be granted for any course.

Conditions: Monetary awards shall be spent solely for the purposes of travelling to attend an ICCP Training Course, including Accommodation. Funds should not be used to fund research, purchase capital equipment, to pay salaries, tuition, etc.

Students receiving the award will be required to provide receipts detailing travel spending to ICCP Treasurer after the course has concluded. Maximum period for providing the receipts will be 30 days after the course.

Copies of travel receipts should be sent to Jennifer Pearson at: jen@coalpetrography.com

The ICCP Travel Grant should be referred to in any following publication of the MSc or PhD Thesis.

Application Deadline: Two months after the course has been announced.

Completed applications should include:
1. Cover letter requesting travel funds and stating how attending the ICCP Training Course will assist with their research
2. Filled out Application Form (see attached)
3. MSc or PhD research summary
4. Letter of support from their primary faculty advisor.
5. Curriculum Vitae

Applications will be reviewed and ranked by the Grant Subcommittee, who will be determined by the Council.

The selection of the grant awardee winner will be based on:
1. Merit of MSc or PhD research proposal
2. Potential impact in the scientific fields of the three ICCP Commissions: General Coal and Organic Petrology, Applications in Geology, and Applications in Industry

Application materials should be sent electronically to the Chair of the Subcommittee.

ICCP STUDENT TRAVEL GRANT APPLICATION FORM		
APPLICANT INFORMATION		
Family Name:		
Given Name(s):		
Date of birth:		Phone:
Nationality:		
Current address (university or home):		
City:	State:	ZIP Code:
Email:		
ACADEMIC INFORMATION		
Present Institution, Location:		
Department or Discipline:		
Degree now being sought:		
MSc or PhD research summary (max. 1000 words) :		
Signature of applicant:		Date:
Please attach: *1. Cover letter requesting travel funds and stating how attending the ICCP Training Course will assist with your research (max. 500 words)* *2. MSc or PhD research summary* *3. Letter of support from your primary faculty advisor.* *4. Curriculum Vitae*		

Appendix 8 - Organic Petrology Award

Laudation

Dear President, ICCP Council, Ladies, and Gentleman,

It is my great honor to recognize today Dr Magdalena Misz-Kennan from the University of Silesia in Sosnowiec, Poland, for her contribution to organic petrology. Magdalena is a well recognized scientist in the field of the organic petrology and geochemistry of coal, including but not limited to areas such as coal combustion by-products, coal combustion, and spontaneous coal combustion. She has also contributed significantly to the application of organic petrology in technological processes, and the understanding of the role of organic matter in the environment.

Magdalena obtained her MSc degree in Geochemistry and Mineralogy in 1994 and her PhD in 1999, both from the University of Silesia in her native Poland. She spent 10 months in 1992- 1993 at the University College in Dublin, Ireland, through the TEMPUS program. From 1997 until ow, she has been employed as a research scientist and Faculty member at the University of Silesia, Faculty of Earth Sciences. In 2000, Magdalena was awarded a grant through the SOCRATES program, and studied at Aarhus University in Denmark.

Magdalena is very active in areas such as the application of organic petrology in technological processes and organic matter in the environment. She has also published a number of papers on slag and fly ash wastes, coal combustion and self-heating, and coal waste. Magdalena's prolific activities as a scientific researcher are reflected in 16 refereed publications in international journals and in 41 scientific documents, including international and national congress contributions and scientific reports. Magdalena is the first author in three chapters related to coal fires, coal wastes, self-ignition and self-heating of coal. The book will be published by Elsevier this year. She is also one of the authors of the ATLAS on the Petrographic Identification of Anthropogenic Particles, edited jointly by the International Committee for Coal and Organic Petrology (ICCP) and Indiana Geological Survey in 2006.

Magdalena is a full member of numerous national and international scientific organizations, such as Polish Mineralogical Association (since 1995); Polish Geological Society (since 1998); International Committee for Coal and Organic Petrology (since 1995); and The Society for Organic Petrology (TSOP) (since 2003). She is also a member of the TSOP Council since 2012 and served as a member of the TSOP John Castafio Award Committee (2010-2012).

Magdalena is a very active member of ICCP. She is a Secretary of Commission III (2012-2016); Acting Secretary of Commission III during the ICCP Annual Meetings (2011 and 2012); Member of Accreditation Sub-committee (2012-2016); member of the Council (2012-2016); Co-convener of Self-heating Working Group (from 2088 at present) and Member of Grant Subcommittee (from 2013), Co-convener of Oxidation Editorial Group; Active Member of several Working Groups of various Commissions, such as: Peat Petrography, Environmental Application of Organic Petrology, Identification of Dispersed Organic Matter, The Microscopy of Carbon Materials, Characterization of Gasification Products, Identification and Petrographic Classification of Components in Fly Ashes, Coke Petrography, Application of reflectance for estimation of structural order, Combustion, Inertinite in Combustion, Coal Blends, Qualifying Vitrinite for DOM Reflectance Analysis. She was also the Organizer of the 65th Annual ICCP Meeting in Sosnowiec (Poland) in 2013.

For her dedication to the science of organic petrology and organic geochemistry and her enthusiasm for the ICCP activities I present Dr Magdalena Misz-Kennan with the 2014 ICCP Organic Petrology Award which honours organic petrologists at an intermediate stage of their career.

Chair of the Organic Petrology Award
Committee of the ICCP
Maria Mastalerz

Dr Magda Misz-Kennan receiving the Organic Petrology Award from ICCP President Dr Petra David (L) and ICCP General Secretary Dr Angeles Borrego (R)

Response to the Laudation

Dear President, Dear Council, Ladies and Gentlemen,

I am very honoured by the Organic Petrology Award that I have just been given. I would like to thank the President and the Council of the International Committee for Coal and Organic Petrology for the award. I would also like to thank Isabel Suárez-Ruiz (Instituto Nacional del Carbón, Spain) for her nomination and all those who wrote letters in support. Thank you all for your belief in me. I hope that I can live up to it.

The award is a great honour. For me, it means that what I have been doing in coal and organic petrology, and in the International Committee, has been worthwhile and has been recognised by my peers. The Award will encourage me to work even harder in the future.

None of us can really have happened without the support of other people. I deeply regret that Professor Krystyna Kruszewska is not here today. She introduced me to the ICCP about twenty years ago and encouraged me to work in various working groups. Without her, I might not be here now with all of you. Professor Kruszewska taught me what coal petrology is. She generously shared her knowledge, experience and friendship, and always supported whatever I was doing. I will always be very grateful to her.

I would also like to especially thank Isabel Suárez-Ruiz and Jim Hower (University of Kentucky, USA) who supported me greatly over the years. I am very grateful to Jola Kus (Federal Institute for Geosciences and Natural Resources, Germany) who, together with the late Alan Cook, encouraged me to obtain the ICCP accreditations. Without Jola, our self-heating Working Group might not have existed.

I am very grateful to all ICCP members for their support expressed in various ways - even for the Christmas cards that arrived after Easter.

My work would not have been possible without the support of my colleagues at the University of Silesia in Sosnowiec. Neither would it have been possible without the constant support of my husband and of my mother. My son has helped by never allowing me to forget that there is life outside macerals.

Finally, thank you all once again for this honour.

Magdalena Misz-Kennan

Minutes of the 66th Meeting of the International Committee for Coal and Organic Petrology (ICCP)
20th - 27th September 2014, Kolkata, India

Appendix 9 - 2015 Training Course

ICCP Training Course: Organic Petrology for Industrial Applications 1-4 September 2015 GFZ Potsdam, Germany

The International Committee for Coal and Organic Petrology (ICCP), in conjunction with Geolab, DGGV, Teichmüller Foundation and GFZ (the German Research Centre for Geosciences), is pleased to announce a training course in organic petrology to be held in Potsdam in September 2015. The course is centred on the petrology of a wide variety of coals. Practical applications and technological importance will be stressed. While a basic geological understanding will be assumed, the course is designed for those with little or no knowledge of coal. It is therefore suitable for

undergraduate or post graduate students as well as established professionals who require a more thorough understanding of petrological aspects of coals.

GENERAL OUTLINE

Theory:
- Genesis (geology and geochemistry)
- Coal Coal Composition: Lithotypes, Macerals and Microlithotypes
- Coal rank and rank parameters.
- Petrographic analyses: maceral and microlithotype analyses, vitrinite reflectance analysis and the use of fluorescence.
- Basic factors controlling quality and technological behavior of coal.

Organic petrology applied to:
- Coal Mining and beneficiation
- Coal carbonization
- Coal combustion and co-combustion
- Coal gasification
- Coal liquefaction
- Coal derived carbon materials
- Environmental issues

Practical session on petrographic techniques:
- The use of the reflected light microscope, identification of coal components, point-counting analysis, reflectance measurements, fluorescence analysis (all by pre scanned analyses on a screen with the group) on coals of different type and rank, coal blends, residues from coal utilization

Practical session facilities will be provided by Hilgers Technisches Büro, using a microscope with FOSSIL software for reflectance measurement, documentation and training.

PRESENTERS

Dr Isabel Suárez-Ruiz, Spain
Dr Walter Pickel, Australia

COSTS

Company/Professional	€ 1300
Government/non-profit	€ 700
Student	€ 250

Cost for the course excludes travel, accommodation and meals except where stated. Costs include course notes, lunches and coffee, and course dinner.

Course language is English. Space is limited and will be on a first come basis. A detailed course outline will become available in June 2015. If you want to register for the course, please use the online registration from. After registration, you will receive a confirmation and an invoice from the ICCP treasurer Jen Pearson.

VENUE

The training is given at Building A27/ Big Refractor, Geolab at the Telegraphenberg in Potsdam

ACCOMMODATION

Please book the hotel of your choice in time, because September is a busy months in Potsdam.

Mercure Hotel

GFZ has made special arrangements with Mercure Hotel, Lange Brücke, Potsdam. This hotel is closest to the train station and the meeting venue. Please make your own reservations before 20 June 2015. Please refer to special GFZ rate for ICCP training course.

Prices: Room incl. breakfast: € 77
Mercure Hotel Potsdam City
Lange Brücke 1
14467 Potsdam,
Germany
Tel.: + 49 331 27 22
Fax: + 49 331 27 20 233
E-mail: Michael.Ebert@mercure-hotel-potsdam.de

FIELD TRIP

A field trip will be organised to the East German Lignite Mines on Saturday, 5 September 2015 together with participants of the 67th ICCP meeting. More detailed information will become available in March 2015. The costs for the field trip are € 80. Costs include travel, field trip guide, lunch and beverages. Please indicate on the registration form if you wish to participate in the field trip.

Appendix 10 - Symposium Programme

Summary of Oral and Poster Papers for the ICCP Symposium

Petrographic classification of fly ash components. *Isabel Suárez-Ruiz, Bruno Valentim, Ángeles G. Borrego, Antonis Bouzinos, Deolinda Flores, Stavros Kalaitzidis, MaryAnn Love Malinconico, Manuela Marques, Magdalena Misz-Kennan, Jose Ramón Montes, Sandra Rodrigues, Georgeta Predeanu, Giorgios Siavalas, Nikki Wagner*

Correlation of petrochemical and field emissivity data (spectroradiometry) of coal and different lithotypes - A case study from Indian coal mines. *Ashok K. Singh, Priya Kumari, Neelam Kumari, Ravi Shankar, N. K. Shukla, N. Choudhury, Amalendu Sinha*

Hydrous pyrolysis experiments to detect "vitrinite reflectance suppression". *Paul C. Hackley, Gregory Baugher, Michael Lewan, Brett J. Valentine*

Petrographic characteristics - their guiding role to assess the burning behaviour of Indian coals. *Nandita Choudhury, P. Sarkar, A. Choudhury, P. Boral, S. Kumar, N. K. Shukla, Ashok K Singh, S. G. Sahu, A. Adak, S. Biswas, Amalendu Sinhal*

Understanding the effect of coal grain size composition of coke oven feed on gravity-charge and stamp-charge coke properties. *Sushil Gupta, Fanyu Meng, Pramod Koshy, Charles Sorrell, Graham O'Brien, David French*

Optical and spectral fluorescence properties of bituminite I: A case study of Lower Jurassic Posidonia Shale from the Lower Saxony Basin, Germany. *Jolanta Kus, Ch. Ostertag-Henning, M. Blumenberg*

Organic petrology of the Aptian-age section in the downdip Mississppi interior salt basin, Mississippi, USA: Implications for thermal maturation history. *Brett J. Valentine, Paul C. Hackley, Catherine B. Enomoto*

Environmental hazards potentially associated with the use of coal waste for reclamation and landfill – a study of theWelnowiecdump (Poland). *Nitecka N.,Wiktorzak A., Fabianska M.J., Misz-Kennan M.,Ciesielczuk J.*

Evolution of organic porosity with increase in temperature. *Isabel Suárez-Ruiz, T. Juliao Lemus, B. Ruiz, R. E. Marquez*

Determination of optimum reactives to inerts ratio for Indian coking coals of different ranks. *Tamal Kanti Das*

The Importance of Gas Composition for Saturation Calculations in CBM Reservoirs. *Peter J. Crosdale, Tim A. Moore*

Rhelogical properties of West Bokaro coals and their importance in coke making. *Ch Gopi Krishna, P. Srinivasa Rao, P. Khattri, S. Mohan Rao, A. Kumar*

Thermal maturity of Early-Middle Jurassic formations in well Sangaw North-1 (SN-1), Garmian area, Kurdistan, NE Iraq: implications for petroleum generation. *Diyar Abdulqader Saeed, Ibrahim M. J. Mohialdeen, Stavros Kalaitzidis*

Understanding coal petrology for efficient combustion of low bituminous coal at Kahalgaon Super Thermal Power Station. *Ranjit Kumar Das, K. Acharyya, A. K. Barman, D. Ray*

Petrography and organic geochemistry of Lower Silesia coal wastes subjected to self-heating. *Bednarek M., Misz-Kennan M., Fabiańska M.J., Ciesielczuk J., Kruszewski Ł.*

Petrographic and geochemical features of unburnt coal organic matter from smelting wastes in the Wełnowiec dump, Poland. *Fabiańska M. J., Wartok D., Misz-Kennan M., Ciesielczuk J.*

Petrographic approach on suitability of a few coal seams for liquifaction in Talcher Coalfield, Orissa, India. *S. N. Chaudhuri*

Petrography and Hydrocarbon Potential of Khadsaliya Lignite Deposits (Saurashtra Basin) Gujarat, western India. *V. P. Singh, B. D. Singh, M. P. Singh, Alpana Singh & S. Dutta*

Petrological and biological studies on some fly and bottom ash collected at different times from an Indian coal-based captive power plant. *Binoy K Saikia, James C. Hower, M. Hood, A. Sharma, H. P Dekaboruah, R. Baruah, B. P. Baruah*

Influence of anhydrite on thermal maturation and retention of bitumen: the case of the Arruda sub-basin (Lusitanian Basin Portugal). *Paula A. Gonçalves, João G. Mendonça Filho, Deolinda Flores*

Organic facies characterization of Pemba Formation, Rovuma basin, Mozambique, based on dispersed organic matter characterization. *Mendonça Filho, J.G., Vasconcelos, L. & Achimo, M.*

Shale gas potential of Lower Permian shales from Raniganj and West Bokaro basins, India. *Atul K. Varma, B. Hazra, S. K. Samad, S. Panda, V. A. Mendhe and S. Singh*

The effects of self-burning process in coal mining residues from El Bierzo Coalfield, Spain. *J. Ribeiro, I. Suárez-Ruiz, D. Flores*

Features of the composition of deeply sorbet hydrocarbons derived from brown coals. *I.E. Stukalova, V.S. Lebedev*

Hydrous pyrolysis products from a recent microbial mat: geomicrobiological and geochemical approaches. *Mendonça Filho, J.G., Franco, N., Silva, T.F., Stojanović, K., Carvalhal-Gomes, S.B.V, Silva, F.S., Fontana, L.F., Furukawa, G.G.*

Ash deposition characteristics for single and blended Moolarben coal in coal combustion. *Byoung-Hwa Lee, Yanuar Yudhi Isworo, Sushil Gupta, and Chung-Hwan Jeon*

Holocene peat deposit in tracing climate and coast line change in South Bengal Basin, India. *Manju Banerjee, Prasanta Kumar Sen, Sudha Gupta*

Petrographic characteristics and depositional conditions of coals of Karharbari Formation, Talcher Coalfield, Orissa, India. *Alok K. Singh*

Coke structure and coke strength. *Lauren Johnson, William Cash, Philip Bennett*

Evaluation of Coal Rank from Petrographic Analysis. *Mamatha D., Mrunmaya K. P., Ankit Rana*

Reduction of BF coke cost through effective utilization of Indian LVHR and low rank coking coals in blends-a petrographic approach. H. K. Mishra, T. K. Das, J. Maitra, Z. Imam S. Saran and A. K. Debnath

Influence of petrographic characteristics of coking coal used in coke oven and their effect on coke strength after reaction (CSR) in Visakhapatnam Steel Plant (VSP). *Nilu Kumar, R. Siva kumar, T.Yamini*

Assessment of coke quality and influence of coal composition: A petrographic approach. *Rashmi Singh, Debjani Nag, T, K. Ghosh, P. K. Banerjee*

Microstrength and CO_2 reactivity variations in cokes with the addition of different sized charcoal. *A. Guerrero, M.A. Diez, A.G. Borrego*

Petrographic studies of raw and beneficiated low volatile coking coals of India. *T. Gouri Charan,K. M. K. Sinha, G. S. Jha, P. S. Prasad, K. M. P. Singh*

Comparative petrographic studies of imported and washed Indian coking coals for metallurgical purposes. *S. Chaudhuri, U. S. Chattopadyay, S. K. Kabiraj, S. C. Maji and T.G. Charan*

Petrographic controls on coal seams from Korba basin, Chhattisgarh, India for char development. *Atul K. Varma, S. K. Banerjee, D. Sen, B. Hazra, V. K. Saxena and B. D. Singh*

Analysis of iron and iron phases in fly ash to be used as a geoliner construction material. *N. Shreya, B. Valentim, B. Paul, C. R. Gomes, H. Sant'Ovaia, S. Pinho, J. Ribeiro, C. R. Ward, D. Flores*

Vertical variation of sporomorph spectral fluorescence parameters from Comeya peat (Asturias, N. Spain) as palaeoenvironmental proxies. *J. Urbanczyk, Maria A. F. Casado, Tomás E. Díez, Angeles G. Borrego*

Petrography, palynofacies and organic geochemistry of matasukh lignites (Rajasthan), western India: An insight into the organic composition, depositional environment and hydrocarbon potential. *Alpana Singh, S. Mahesh, B. D. Singh, R. P. Mathews, V. P. Singh & S. Dutta*

Bulk organic geochemical and petrographical evaluation of the Eocene Panandhro Lignite deposits (Kachchh Basin), Western India. *R. P. Mathews, B. D. Singh, Alpana Singh Suryendu Dutta*

An insight into the nature and origin of coal lithotypes and macerals Vis-à-vis environment friendly use of coal in industries. *Subhasis Sen, Meera Sen*

Studies on CO_2 gasification characteristics and petrographic composition of high ash Indian coals. *Sujan Saha, G. Sahu, P. D. Chavan, S. Datta and S. Kumar*

Comparison of individual maceral chemistry and functional groups of bituminous coals of different geological setting. *Mamta Sharma, A. Banerjee, V. Mishra, R. D. Biswas, S. Chakravarty*

Evaluation of nitration effect on petrographic characteristics of coals from Jharia coalfield, India by FT-IR and Wide Angle X-ray Scattering. *Prabal Boral, Sudip Maity and Atul K. Varma*

Petrological evaluation and depositional conditions of coals of Chano-Rikba Block, North Karanpura Coalfield, district-Hazaribagh, Jharkhand, India. *M. L. Banra, B. R. Jha, A. K. Sinha*

Variation in coal quality with respect to the petrographic make-up; A case study from Indian coalfields. *Niraj K. Shukla, Ashok K. Singh, B. Ghosh, S. Kumar, P. Boral, V. Singh and N. Choudhury*

Studies on variation of chemical composition of maceral with vitrinite reflectance of Jharia and Singrauli coals of India. *Saroj Kumar, P. Boral, Ashok. K. Singh, V. Singh, N. K. Shukla and Nandita Choudhury*

Relation of specific gravity & Gross Calorific Value in coal-a case study. *M. K. Saini, P. K. Srivastava, S. K. Laha*

Influence of petrographic constituent and chemical parameters on grindability behaviour of selected coals from Damodar and Moher Basin, India. *Vivek Singh, S. Kumar, N. K. Shukla, R. K. Dubey, Ashok K. Singh and N. Choudhury*

Characterization of the dispersed organic matter and hydrocarbon generation potential of laminated calci-mudstones of the Variscan foreland basin of the Cantabrian Zone (Serpukhovian-Bashkiran, N of Spain). *Piñeiro Figueroa, C., Borrego, A. G., Merino Tomé, O*

Demineralization of Rajmahal Gondwana coals with bacteria: An attempt to obtain clean fuel. P. K. Singh, Mahendra P. Singh, Asha Lata Singh and A. Kumar

Farewell to India on the Sundabarn Delta

TSOP - Yogyakarta, Indonesia, 2015 Meeting

The TSOP 2015 Annual Meeting On the Edge: Hydrocarbons in the Tropics, will be held from Sunday, the 20th of September to Wednesday, the 23rd of September 2015 in the historic city of Yogyakarta, Indonesia. A post-conference field trip to the Mahakam River Delta will be held from the 24th to the 27th of September. Abstract submission has been extended to 22 June 2015 and early registration prices are available until 31 July 2015. See the meeting website http://tsop2015.ugm.ac.id for more information.

Answer to Know Your Coal Petrologist #55

An anonymous contribution although the photograph was discovered in the archives of John Vleeskens. Henrik Ingermann Petersen (middle) and Per Rosenberg (right) in more frivolous time at GEUS. Both are now much more serious.

Membership Matters

please keep your email contact current - or you will miss out on important information

Contact Updates

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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). More information as to the criteria considered for each award can be found on page 9 of this issue (ICCP News 51)

Thiessen Medal

CALL FOR NOMINATIONS

This is the highest award offered by ICCP. It recognises achievement and outstanding contributions in the fields of coal and organic petrology. The award consists of a bronze medal. The award committee consists of the five most recent medalists. Awards are made from time to time but applications are called for every 2 years.

For details of procedures and nominations, contact:

Dr. Ángeles Gómez Borrego
ICCP General Secretary
Instituto Nacional del Carbón, CSIC
Apartado 73
33080 Oviedo
SPAIN
Ph. +34-98-511 9090
Fax +34-98-529 7662
mailto:angeles@incar.csic.es

Nominations are called for the Thiessen Medal. Please contact the General Secretary as indicated above.

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 award committee currently consists of the Thiessen Medal Committee as a transitional arrangement as well as the most recent awardees. Eventually, the award committee will consist of the five most recent recipients. Contact:

Dr. Ángeles Gómez Borrego
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33080 Oviedo
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67th Meeting of the International Committee for Coal and Organic Petrology (ICCP) September 5-11, 2015, Potsdam, Germany

ORGANISING COMMITTEE

Petra David (Chair), Wintershall Holding GmbH, Kassel, Germany
Brian Horsfield, Deutsches GeoForschungsZentrum GFZ, Potsdam, Germany
Andreas N. Küppers, Deutsches GeoForschungsZentrum GFZ, Potsdam, Germany
Antje Treutler, Deutsches GeoForschungsZentrum GFZ, Potsdam, Germany
Gerd Bieg, Haltern, Germany
Gisela Bieg, Mikroskopische Untersuchungen,

Haltern, Germany
Daniela Focke, LAOP, Lauta, Germany
Carl Hilgers, Hilgers Technisches Büro, Königswinter, Germany
Stefanie Henne, LAOP, Lauta, Germany
Claudia Niemz, LAOP, Lauta, Germany
Angelika Vieth, Geologischer Dienst NRW, Krefeld, Germany

WELCOME

On behalf of the Organizing Committee you are invited to attend the 67th Meeting of the International Committee for Coal and Organic Petrology-ICCP. The meeting is organisied and hosted Helmholtz-Zentrum Potsdam Deutsches GeoForschungsZentrum GFZ.

MEETING VENUE

The 67th Annual Meeting of the International Committee for Coal and Organic Petrology will be hosted by the Helmholtz-Zentrum Potsdam Deutsches GeoForschungsZentrum GFZ in Potsdam, Germany, September 5 -11, 2015. The meeting venue is Building 33 at the Telegrafenberg in Potsdam. Prior to the meeting an ICCP Training Course 'Organic Petrology in Industrial Applications' will be organized.

POTSDAM

The city of Potsdam is located 24 km southwest of Berlin. Potsdam is the capital of the German Federal State of Brandenburg and has about 160.000 inhabitants. It is situated at the river Havel. Potsdam was a residence of the Prussian kings and the German Kaiser, until 1918. Around the city there are a series of interconnected lakes and cultural landmarks, in particular the parks and palaces of Sanssouci, the largest World Heritage Site in Germany. The Potsdam Conference, the major post-World War II conference between the victorious Allies, was held at another palace in the area, the Cecilienhof. Babelsberg, in the south-eastern part of Potsdam, was a major film production studio before the war and has enjoyed success as a major center of European film production since the fall of the Berlin Wall. The Filmstudio Babelsberg is the oldest large-scale film studio in the world. Potsdam developed into a centre of science in Germany from the 19th century. Today, there are three public colleges, the University of Potsdam and more than 30 research institutes in the city.

TELEGRAFENBERG

The Telegrafenberg site is located at 94 metres elevation, southeast of Potsdam city centre. The name 'Telegrafenberg' originates from the construction of an optical telegraph on the hill in 1832. It was the fourth of 61 optical telegraphs in a 600 kilometre continuous line between Berlin and Koblenz, through the southern part of former Prussia. In 1874 the first observatory was built on the hill. Over the years the site developed in a main center for astronomy, physics and geosciences. As part of the Albert Einstein Science Park , GFZ and a number of other scientific institutions have their headquarters on the Telegraphenberg.

HELMHOLTZ-CENTRE POTSDAM – GFZ GERMAN RESEARCH CENTRE FOR GEOSCIENCES

The object of research of the GFZ is the Earth System. The GFZ, as a Helmholtz Centre, covers all geo-science disciplines, from geodesy to geo-engineering, working on them in a close interdisciplinary union with the associated sciences of physics, mathematics and chemistry, and with associated disciplines in engineering: rock mechanics, hydraulic engineering and seismological engineering. GFZ's core areas of expertise lie in developing and applying satellite technologies and space-based measurement procedures; in operating geodetic-geophysical measurement networks; in the tomography of the earth, using geophysical deep-sounding techniques; in undertaking research drilling; in laboratory and experimental technology; and in modelling geo-processes.

PRELIMINARY SCHEDULE

	Saturday 05.09.2015	Sunday 06.09.2015	Monday 07.09.2015	Tuesday 08.09.2015	Wednesday 09.09.2015	Thursday 10.09.2015	Friday 11.09.2015
9:00	Field Trip		Welcome	Commission Meeting	Commission Meeting	Commission Meeting	ICCP Symposium
9:30							
10:00							
10:30			Coffee Break	Coffee Break	Coffee Break	Coffee Break	
11:00			Opening Plenary Session	Commission Meeting	Commission Meeting	Commission Meeting	
11:30							
12:00							
12:30							
13:00			Lunch Break	Lunch Break	Lunch Break	Lunch Break	
13:30		ICCP Council Meeting					
14:00			Commission Meeting	Commission Meeting	Commission Meeting	Closing Plenary Session	
14:30							
15:00							
15:30			Coffee Break	Coffee Break	Coffee Break		
16:00			Commission Meeting	Commission Meeting	Commission Meeting		
16:30							
17:00							
17:30				ICCP Council Meeting			
18:00		ICCP Icebreaker				Conference Dinner	
18:30							
19:00							
19:30							
20:00							
20:30							
21:00							
21:30							
22:00							
22:30							
23:00							
23:30							
24:00							

FIELD TRIP

A field trip to the East German Lignite Mines will be organised. Preparations are ongoing. More detailed information will be provided in the Second Announcement and on the ICCP website.

REGISTRATION

Please complete the Registration Form on the website http://www.iccop.org and submit it. Your registration will be forwarded to the ICCP Treasurer and you will receive an invoice within a few days.

REGISTRATION FEE

€ 250 before March 31, 2015,
€ 280 after March 31, 2015
€ 120 Students
€ 80 Conference Dinner
€ 80 Field Trip

MICROSCOPE SESSIONS

Practical session facilities will be provided by Hilgers Technisches Büro, using a microscope with FOSSIL software for reflectance measurements.

TRANSPORT

Good public transportation facilities (train & bus) and taxis are available from the airport to Potsdam (http://www.vbb.de/en/index.html).

Potsdam can be reached via the two Berlin airports Tegel and Schönefeld (http://www.berlin-airport.de/en/index.php) and also via smaller airports Leipzig (https://www.leipzig-halle-airport.de/en/) and Dresden (http://www.dresden-airport.de/homepage.html).

Directions to GFZ are detailed described at the GFZ´s website:
http://www.gfz-potsdam.de/en/centre/about-us/directions/potsdam/

ACCOMMODATION

Please book the hotel of your choice in time, because September is a busy months in Potsdam.

Mercure Hotel

GFZ has made special arrangements with Mercure Hotel, Lange Brücke, Potsdam. This hotel is closest to the train station and the meeting venue. Please make your own reservations before 20 June 2015 Please refer to special GFZ rate for ICCP meeting.

Prices: Category 1: Room incl. breakfast: EUR 77
Category 2: Room incl. breakfast: EUR 104

Mercure Hotel Potsdam City
Lange Brücke 1
14467 Potsdam, Germany
Tel.: + 49 331 27 22
Fax: + 49 331 27 20 233
E-mail: Michael.Ebert@mercure-hotel-potsdam.de

Steigenberger Hotel Sanssouci

The Steigenberger Hotel Sanssouci is situated just 500 metres from the famous summer residence "Castle Sanssouci" of Frederick the Great and its lovely park grounds. Prices: EUR 100-150

There are several other hotels in Potsdam in all price ranges. Please check the internet.

CONTACT

If you have questions or need further information, please contact Petra David via email to petra.david@wintershall.com.

SYMPOSIUM ON "COAL AND ORGANIC PETROLOGY – NEW PERSPECTIVES AND APPLICATIONS: A TRIBUTE TO MARLIES TEICHMÜLLER (1914-2000)"

SCIENTIFIC COMMITTEE

Jolanta Kus (Chair, Federal Institute for Geosciences and Natural Resources, Hannover, Germany)
Rafael Ferreiro Mählmann (Technical University Darmstadt, Germany)
Bertrand Ligous (Eberhard Karls University Tübingen und LAOP, Lauta, Germany)
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Reinhard Sachsenhofer (Montanuniversität Leoben, Austria)
Walter Pickel (Coal & Organic Petrology Services Pty Ltd, Australia)
Stavros Kalaizidis (University of Patras, Greece)

CALL FOR ABSTRACTS

The 2015 ICCP Scientific Committee invites interested authors to submit abstract(s) for the Symposium on "Coal and Organic Petrology – New Perspectives and Applications: a tribute to Marlies Teichmüller (1914-2000)" to be organized during the 67th Annual Meeting of the International Committee for Coal and Organic Petrology (ICCP) held 5-11 September at German Research Centre

for Geosciences (GFZ) in Potsdam, Germany.

The Symposium accompanying this year's ICCP meeting, is an international event that brings together leading scientific researchers and young scientists across the globe to exchange and share new scientific progress. It aims at stimulating research activities and foster dialogue among the scientists across the fields of applications and methods in the coal and organic petrology.

The submission of abstracts following strictly the Guidelines for Abstracts is possible until **5th June, 2015.** Abstracts submitted after 5th June, 2015 will not be considered for presentation at the Symposium. *The deadline for abstract submission will not be extended*.

Call for papers: abstract submission deadline – 5th June, 2015

Abstract should be submitted by 5th June, 2015 via email to J.Kus@bgr.de. Symposium abstracts sent via fax, or regular mail will not be processed or acknowledged.

The Scientific Committee will review all submitted proposals in June and notify presenting/corresponding authors of acceptance/non-acceptance of their contribution by 25th June, 2015. Please, indicate a preference for an oral or poster presentation.

The selected full papers from this year's ICCP meeting are planned to be published in a special volume of the International Journal of Coal Geology. The deadline for submission of full papers has been extended from the 31st December, 2015 to 15th March, 2016.

ICCP Services

Accreditation Programs

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

- **Vitrinite Reflectance of Coals**
  convenor: Dr Kimon Christanis

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

- **Vitrinite Reflectance of Dispersed Organic Matter**
  convenor:Dr. Ángeles Gómez Borrego
  ICCP General Secretary
  Instituto Nacional del Carbón, CSIC
  Apartado 73
  33080 Oviedo
  SPAIN
  Ph. +34-98-511 9090
  Fax +34-98-529 7662
  mailto:angeles@incar.csic.es

For more information, contact the convenors of the programs.

ICCP Reflectance Standard

Check the calibration of your reflectance standard against the ICCP standard! For more information contact

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

Also available through

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and

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Hirschgraben 2
45721 Haltern am See
Germany
Ph. +49-2364-6285
mailto:mikro-un@t-online.de

XVIII International Congress on the Carboniferous and Permian (ICCP 2015)

August 11–15, 2015, Kazan, Russia

Session Titles

1. Carboniferous stage boundaries, stratotype sections, and GSSPs. *Co-Conveners: Barry C. Richards, Alexander S. Alekseev*
2. Permian stage boundaries, stratotype sections, and GSSPs. *Co-Conveners: Shuzhong Shen, Galina V. Kotlyar*
3. Carboniferous and Permian high-resolution stratigraphy (multi-proxy correlations). *Co-Conveners: Michael M. Joachimski, to be confirmed*
4. Late Paleozoic glaciations and interglacials: impact on ecosystems and sedimentation. *Co-Conveners: Alexander S. Alekseev, to be confirmed*
5. Carboniferous and Permian plate tectonics and orogenies. *Co-Conveners: Inna Yu. Safonova, to be confirmed*
6. Late Paleozoic marine macrofossils: systematics, biostratigraphy, and paleobiogeography. *Co-Conveners: Xiangdong Wang, Svetlana V. Nikolaeva*
7. Late Paleozoic continental biota: systematics, ecosystems, and paleobiogeography. *Co-Conveners: Valeriy K. Golubev, to be confirmed*
8. Micropaleontology: systematics, phylogeny and biostratigraphy. *Co-Conveners: Tamara I. Nemyrovska, to be confirmed*
9. The terrestrial late Paleozoic world: paleosols, lithofacies, and environments. *Co-Conveners: Sergei V. Naugolnykh, to be confirmed*
10. Sequence stratigraphy and cycles. *Co-Conveners: to be confirmed*
11. Late Paleozoic reefs, biostromes, and carbonate mounds. *Co-Conveners: Olga L. Kossovaya, to be confirmed*
12. Cold-water to tropical carbonate lithofacies and environments. *Co-Conveners: Victor G. Ganelin, to be confirmed*
13. The late Paleozoic oceans: paleoceanography. *Co-Conveners: Alexander S. Biakov, to be confirmed*
14. Latest Devonian and mid-Carboniferous extinctions and recovery. *Co-Conveners: Yuriy A. Gatovsky, to be confirmed*
15. End-Permian mass extinction and Early Triassic recovery. *Co-Conveners: Zhong Q. Chen, Yuri D. Zakharov*
16. Carboniferous and Permian coal and mineral deposits. *Co-Conveners: Annette E. Goetz, Rinat R. Khassanov*
17. Eurasian conventional and unconventional hydrocarbon systems. *Co-Conveners: Danis K. Nurgaliev , to be confirmed*
18. Marine-Non-marine Carboniferous and Permian Correlation. *Co-Conveners: Joerg W. Schneider, Shuzhong Shen*

Schedule for 2015

August 10: Arrival at Kazan, Registration and welcome reception

August 11 – August 15: Talk and poster sessions, workshops

August 13: Mid-Congress field excursion B1. Permian deposits and historical-cultural sites along the Volga River (boat tour)

August 15: Completion of talks and poster sessions, workshops; Congress banquet

Important Dates

April 1, 2015: Deadline for registration and abstract submission.

April 30, 2015: Deadline for registration on fieldtrips. Associated costs to be advised.

June 1, 2015: Third Circular with the program is available for distribution and online.

June 10, 2015: Deadline for application form to the Geohost program.

October 30, 2015: Deadline for manuscript submission to the proceedings volumes.

Contact us

Vladimir V. Silantiev, Congress General Secretary
mailto:iccp2015@kpfu.ru
www.iccp2015.kpfu.ru
www.kpfu.ru/iccp2015

ICCP Publications and Training Materials

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

Orders to

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

ICCP Handbook

★ *International Handbook of Coal Petrography 2nd Edition (1963)* (in English) as CD ROM
PC and Mac Compatible
Requires Adobe Acrobat Reader Ver. 4 or above
ICCP / TSOP member - **20€** (including postage)
ICCP non-member - **40€** (including postage)

★ *International Handbook of Coal Petrography, supplement to the 2nd edition*, second print (in English) 1985 - **24€**
★ *International Handbook of Coal Petrography, 2nd supplement to the 2nd edition* (in English) 1986 - **8€**
★ *International Handbook of Coal Petrography, 3rd supplement to the 2nd edition* (in English) 1993 - **16€**

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

Atlas of Anthropogenic Particles

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

ICCP Training Material on Vitrinite Reflectance Measurements in Dispersed Organic Matter

A CD and set of 4 polished grain mounts to be used as training material for learning about the appearance of dispersed vitrinite in rocks and about the measurement of its reflectance. Only a limited number of grain mounts are available. CDs can be purchased separately. For details, see ICCP News No. 39, November 2006 pp 53 - 54.
Cost:
CD + polished sample set **40€** including postage (ICCP / TSOP member)
CD + polished sample set **120€** including postage (non-members)
CD only **16€**

ICCP Training kit for spectral fluorescence measurements in Dispersed Organic Matter

The set contains two polished blocks with samples from Posidonia and Irati shales and the excel sheet with the results of the round robin exercises performed on these samples.
Cost:
samples + excel sheet **30 €** including postage (ICCP/ TSOP member)
samples + excel sheet **90 €** including postage (non members)

WHAT'S HAPPENING

11 - 15 August 2015
XVIII INTERNATIONAL CONGRESS ON THE CARBONIFEROUS AND PERMIAN, Kazan, Russia.
mailto:iccp2015@kpfu.ru
www.iccp2015.kpfu.ru
www.kpfu.ru/iccp2015

1 - 4 September 2015
ICCP Course, Potsdam, Germany.
mailto:peter.crosdale@energyrc.com.au
http://www.iccop.org

5 - 11 September 2015
67th ICCP, Potsdam, Germany
mailto:petra.david@wintershall.com
http://www.iccop.org

20 - 23 September 2015
32nd TSOP Meeting, Yogyakarta, Indonesia.
http://tsop2015.ugm.ac.id
http://www.tsop.org

September 2016
ICCP - TSOP Joint Meeting, Houston Tx, USA

DEADLINE FOR NEXT ICCP NEWS : 3RD JULY 2015

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