

Division of Analytical Chemistry



European Association for Chemical and Molecular Sciences

2008 Annual Meeting

39th Meeting of DAC-EuCheMS

Tuesday, 16 September 2008, from 9 am to 1 pm

Room "B" – Business Centre – 2nd Floor

Lingotto Conference Centre, Via Nizza 280 – 10128 Turin, Italy

MINUTES

Participants

Austria	Prof. W. Buchberger*	Gesellschaft Österreichischer Chemiker
Europ. Comm.	Prof. H. Emons	JRC, IRMM
Czech Rep.	Prof. J. Barek*	Czech Chemical Society
Denmark	Dr. J. Andersen*	Danish Chemical Society
Germany	Prof. R. Salzer*	Gesellschaft Deutscher Chemiker
Greece	Prof. M. Karayannis*	Association of Greek Chemists
Hungary	Prof. G. Horvai*	Hungarian Chemical Society
Italy	Prof. L. Sabbatini*	Società Chimica Italiana
	Prof. P.G. Zambonin	– " –
	Prof. M. Careri	Società Chimica Italiana
		Divisione di Chimica Analitica
Romania	Prof. G.E. Baiulescu*	Romanian Society of Analytical Chemistry
Serbia	Prof. S. Ražić*	Serbian Chemical Society
Sweden	Prof. B. Karlberg*	Swedish Chemical Society
Switzerland	Dr. Urban Frey*	Swiss Chemical Society
UK	Prof P. Worsfold*	The Royal Society of Chemistry
	Prof. D.T. Burns	– " –

thus: 13 EuCheMS Member Societies (12 countries) represented
(12 votes (*))

Apologies:

Prof. L. Niinistö	Finnish Chem. Soc.
Prof. J. Labuda	Slovak Chemical Society
Prof. L. Buydens	Dutch Chemical Soc.
Prof. C. Kapnissi-Christodoulou	Pancyprian Union of Chemists
Prof. V. Zaitsev	Ukrainian Chemical Society
Prof. M. Valcárcel	Spanish Royal Society of Chemistry
Prof. T. Kitamori	Japan Soc. Anal. Chem.
Prof. W. Lund	Norwegian Chemical Society

1. Opening

The Chairman, Bo Karlberg, opened the Annual Meeting, welcomed the participants and thanked the Euroanalysis Organizers for providing the meeting room. The participants introduced themselves.

1.1 The **President** of the Division of Analytical Chemistry of Società Chimica Italiana **Prof. Maria Careri** welcomed the Delegates by a presentation of the present state of the organisation. There are approx. 600 members, and the Division is organised in Working Groups (WG) and Interdivisional Working Groups (IWG), with topics such as Separation Science and Proteomics. The Division also focuses their effort on quality through the Commission of Laboratory Accreditation (SINAL/ORL/ARPA). Analytical Chemistry was represented by **two half-day sessions** at the 2nd General Conference on Chemistry in Turin. There were **schools on analytical chemistry**, and **workshops** and **seminars** were organised by the WG's of the Division of Analytical Chemistry. Prof. Maria Careri finalised the presentation by showing the list of names in the International Advisory Board.

1.2 The **invitation** for the Annual Meeting with the proposed Agenda had been sent out in due time. The **Agenda** was accepted as drafted. **Apologies** and the mandates transferred were noted.

1.3 Eight Delegates and observers had sent their apologies. Only sixteen Delegates and Guests but no Observers attended the meeting.

1.4 The **Minutes** of the 38th DAC Annual Meeting held in Antwerp, Belgium, on 09 September 2007, were accepted as mailed with the Letter of Information dated 27 October 2007.

2. Report of the Chairman

Bo Karlberg summarized the activities since the Annual Meeting last year.

Two **Letters of Information** with several attachments have been circulated since the previous Annual Meeting (dated 27 October 2007 and 13 June 2008). The 36th issue of the **European Analytical Column** has been produced, and it appeared in international journals and newsletters as usual and is available also from the DAC website. The Annual Report on DAC activities was submitted to the EuCheMS Secretary by the Chairman.

The **DAC Steering Committee** met twice, namely on 29 March 2008 in Innsbruck, Austria, and on 15 September 2008 in Turin, Italy, in order to promote all current DAC business and to discuss future plans.

The Chairman represented the Division at the **EuCheMS Executive Committee** meeting in Brussels on 4-5 October 2007. The Chairman also plans to attend the next GA in Stavanger, Norway, 8-10 October, 2008. It was announced at the meeting that the next President of EuCheMS will be Luis A. Oro, Spain.

The Secretary welcomed the participants with greetings from the Former Secretary Heiner Korte who made the transfer of duty together with the Chairman at a meeting in Copenhagen 20 October 2007. Heiner Korte also assisted the transfer of website to new server in 2008.

3. Election and Appointments

3.1 The Chairman appointed the following Delegates to the Steering Committee: Bo Karlberg (Chairman), Jens Andersen (Secretary), Wolfgang Buchberger, Paul Worsfold and George Horvai

3.2 The clusters of experts have now been identified and updated. Thus, the information may be obtained from the **matrix** of Delegates and interests at the DAC website www.dac-euchems.org

3.3 The RKL jury was endorsed unanimously by the Delegates. Thus, the appointed members of the RKL jury are Alan Townshend (Chairman), Miguel Valcarcel, Elo Hansen, Reiner Salzer and Wolfgang Lindner.

4. **EUROANALYSIS Conferences**

4.1 **EUROANALYSIS XIV (EuCheMS Event No. 311); Chair: Prof. K. Janssens Antwerp, Belgium, 9-14 Sep 2007**

The contribution fee has been transferred to organisers of Euroanalysis XV Innsbruck, Austria, 6-11 Sep 2009. The StC awaits the final report from the organizers.

4.2 **Thanks to the members of the Jury of the Robert Kellner Lecture 2007 and the nominators; outlook on procedure for 2009**

On behalf of the DAC, the Chairman extended cordial thanks to the chairman, Miguel Valcárcel, and the members of the jury for the 2007 Robert Kellner Lecture as well as to the nominators of eight outstanding candidates. The awardee Alfredo Sanz-Medel of Oviedo University (Spain) gave an excellent and well attended RKL Lecture.

The Chairman repeated the names of the appointed members of the **RKL jury of 2009**. The members of the jury were informed on procedures and practices of the nomination and on the evaluation process.

Names and recommendations of Nominees must be submitted to the Secretary before 31 October 2008.

4.3 **EUROANALYSIS XV, Co-Chairs: Profs. W. Buchberger and W. Lindner, Innsbruck, Austria, 6-11 Sep 2009**

Chairman Wolfgang Buchberger reported by a powerpoint presentation an updated website for the venue and supplied details on the progress in planning the event. The motto of the conference is "Impact of Analytical Chemistry on the Quality of Life". The **Scientific Advisory Board** was appointed and the members were informed about their obligations. It was decided to allow participation at a reduced fee for retired scientists and emeritii. Grants for Students are also available. In connection with the StC meeting in Innsbruck 29 March 2008, the **StC inspected** the venue and the StC was informed by the **Presidium** on all details of the event. The planning was found to comply with the contents of the bid-book. The **second flyer** was circulated, and following a few corrections, the publication of the second flyer is imminent. The program includes short courses, and the Organisers are open for further suggestions to subjects. All Delegates, Guests and Observers are strongly encouraged to disseminate the information as widely as possible with emphasis on national societies, journals and websites. Deadlines and further information may be obtained from the website euroanalysis2009@come.innsbruck.at or by contacting the Chairman of the conference wolfgang.buchberger@jku.at.

4.4 **Venue of EUROANALYSIS 2011: Prof. Slavica Ražić, Serbian Chemical Society**

Slavica Ražić of the Serbian Chemical Society reported that the Presidium terminated the initial preparations of the event. The bulk of the work preparing the conference is expected to commence after the conference in Innsbruck. **Heiner Korte** visited the venue during the summer, and found the conditions satisfactory. The date of the conference will be in the **second week of September** and the AM will be on the preceding Sunday. Slavica Ražić presented a

detailed report on the progress, and handed over to the Secretary two DVD's containing video clips, advertising, sponsors and websites.

4.5 The Chairman called for **bid-books** of the next Euroanalysis XVII conference in 2013. Suggestions from national societies before **October 1** by email to the Secretary jeta@dac-euchems.org. Although it is an open competition it would be beneficial for the participants to organize the work, as to **not** produce bid-books in vain. The StC will evaluate the potential bid-books and will give their recommendation by **April 09**. The recommended **Applicant** is then obliged to produce the **full version** of the bid-book according to the **Procedures and Practices** of DAC and present it at the next Annual Meeting in Innsbruck, 2009.

4.6 **G.A. Zambonin** of the Italian Chemical Society presented an historic overview of the previous Euroanalysis Conference held in **Bologna** attended by 1000 participants. A tribute to Zambonin was published in ABC, and preprints of the article were distributed to the Delegates.

5. Reports and Information

5.1 News from EuCheMS

The Chairman announced that 170 000 European Chemists are **Members** of EuCheMS, and the Chairman stressed the importance of distributing the **EuCheMS Newsletter** to the members of National Societies. The transfer of duty from the Former President Natile of EuCheMS to the new President Oro will be officially announced at the Turin Conference. It was already decided by EuCheMS that the 3rd General Conference is planned for Nürnberg in 2010 and the 4th is planned for Prague in 2012. Finally, it was announced that the working groups of **Organic Chemistry** and of **Inorganic Chemistry** were formally established as genuine **Divisions** of EuCheMS.

5.2 **DAC engagement for the 2nd EuCheMS Chemistry Congress Torino, Italy, 16-20 September 2008**

Although Analytical Chemistry was represented by a limited number of oral presentations, schools of chemical analysis, short courses, workshops and seminars also contribute to an overall acceptable fraction of the Conference.

5.3 **Study Group 'Education in Analytical Chemistry'**; Head: Prof. R. Salzer

Reiner Salzer presented the status and activities of the Study Group. Reiner Salzer's invited lecture at **Pittcon 2008** on the work of the Study Group was well attended by 70 participants. A template of **Case Studies** was presented to the Delegates encouraging submitting Case Studies to the Secretary. The Case Studies will be available for download at the DAC website that may be supplemented by TrainMic examples www.msc.ut.ee. Reiner Salzer chaired the ECTN Final Conference in September 8-10 2009, Dresden, Germany. Chemistry and the status of the Bologna Declaration are published in Anal. Bioanal. Chem. 391 (2008) 875-880.

5.4 **Study Group 'Quality Assurance'**, Head: Dr. Jens Andersen

The Study Group follows the activities of a vast number of scientific and industrial organisations involved in Quality Assurance and Metrology. It is believed that the subject areas of the Study Group are rapidly growing areas of Analytical Chemistry research, owing to the high immediate impact on decision making. **Hendrik Emmons** was appointed Liaison person to the CITAC organisation, and Jens Andersen maintains the contact to Eurachem.

New laws and structures on **Accreditation** have been endorsed in the EU, and Hendrik Emons pointed out that this would require initiatives for the training of teachers.

A new version of the celebrated CITAC/Eurachem Guide covering **Sampling** in Analytical Chemistry was published in 2008 (www.citac.org).

The annual GA of the CITAC/Eurachem organisations was held in Athens, Greece 24-25 May, 2008, and the Secretary received the Minutes of the meeting. Many topics of the minutes overlap with the activities covered by the DAC Study Groups of Quality Assurance and Education. Jens Andersen received contributions on research, industry and education from **Alan Handley** of the LGC in the UK. The information was included in the report on Quality Assurance, which will be available at the DAC website.

5.5 **Study Group 'History'**; Head: Prof. D.T. Burns

In good time well ahead of the 2nd European Conference on Chemistry, the contribution to the historic account for Analytical Chemistry in Italy, authored by Burns, Piccardi and Sabbatini was published in *Microchimica Acta*.

Duncan Burns reported on the many activities of the Study Group and circulated three copies of published material available to the public, which is also listed at the DAC website.

A new project on 'The rise of Analytical Chemistry in Belgium' was introduced, and the work producing the text is in progress.

Contributors to the writing of Austrian History of Analytical Chemistry are called for, and Duncan Burns investigates the possibility for a lecture on History at the Euroanalysis XV Conference in 2009.

The report of Duncan Burns is attached to the Minutes and available at the DAC website.

5.6 **Study Group 'Bioanalytics'**, Head: Prof. G. Horvai

Ian Labuda, as a titular member of AC Division Committee of IUPAC is asked to transfer information on activities on bioanalytical chemistry between ACD and DAC.

George Horvai pointed out that Bioanalytics is promoted in the industry by large investments covering subjects such as **Analysis of GMO's** and **Analysis of Proteins**. The Dutch effort in particular was noted, and it is expected that Bioanalytics receives increased attention in the coming years, owing to the requirements of regulatory bodies.

George Horvai noted that it is important to find ways to incorporate **Bioanalytical Chemistry** into the field of general analytical chemistry. This work is not trivial because Bioanalytical Chemistry is dispersed in areas of pharmacy, biochemistry, analytical chemistry, food chemistry etc.

Hendrik Emons reported that **Quantification** is important and knowledge on **Calibrations** is needed. These issues must be addressed because the results produced in Bioanalytical Chemistry may be involved in disputes on trade barriers.

Comments by Delegates: Bioanalytical Chemistry is important to students; The interest to analytical chemistry in general is decreasing, and the interest in clinical applications is increasing, where **Pharmacokinetics** and **DNA biosensors** are in focus.

The report of George Horvai is attached to the Minutes and available at the DAC website.

5.7 **Study Group 'European AC on the web'**, Head: Prof. B. Karlberg

A major hacker attack on the server of Stockholm University prevented the website from normal operation over a period of months but the Chairman reported that the problems were now solved, and a back up was recovered now allowing the site in full operation again. An oral report was given to the Annual Meeting by Bo Karlberg: The website is located at a server at Stockholm University, and it is maintained by Bo Karlberg and coworkers. More contributions are called for, aiming at providing a full overview of European Analytical groups within a couple of years. A Finnish website was promoted as one of the most attractive websites that may serve as a frame of reference to future contributors.

5.8 **Cooperation with EuCheMS Divisions and Working Parties, IUPAC et al.**

Participation in meetings and monitoring of events were included in the reports of the Heads of Study Groups.

It is important that DAC **enforces Analytical Chemistry** at the 3rd General Congress on Chemistry. In order to gain know-how on this issue George Horvai proposed to contact the Organisers of the 1st General Congress on Chemistry in Hungary. However, it may be difficult to change the program at this stage because it was already decided by EuCheMS. Comments from the Delegates proposed that e.g. **Electroanalytical Chemistry** may bring several areas together thus also promoted Analytical Chemistry.

5.9 **Events 'organized in cooperation with DAC-EuCheMS'**

(some reports are available from the DAC website)

The Chairman informed the Delegates about a new initiative of Springer. The publishers award the **Best Poster** by **200 euro** worth of books at Events organised in Cooperation with DAC-EuCheMS. Activation of the award requires that Steffen Pauly (Steffen.Pauly@springer.com) at Springer is contacted well ahead of the Event and proof is given for Collaboration with DAC-EuCheMS. The first authors were awarded the prize at Analysdagarna 16-18 June, 2008 in Gothenburg, Sweden.

In order to facilitate reporting the outcome of events organised in Collaboration with DAC, it was proposed to produce a report template that may be downloaded from the DAC website.

- 13th International Conference on Near Infrared Spectroscopy, 17-21 June 2007, Umeå, Sweden, and Vasa, Finland: Report by Bo Karlberg

- 5th Symposium In Vino Analytica Scientia, 22-25 July 2007, Melbourne, Australia: oral report by Wolfgang Buchberger

- Euroanalysis 14 (EuCheMS Event No 311) 9-14 September 2007, Antwerp, Belgium

- ISRANALYTICA 2008 22-23 January 2008, Tel Aviv, Israel

- ANALYTICA 2008 23-26 March, 2008 Munich, Germany

- NORDIC CONFERENCE ON PLASMA SPECTROCHEMISTRY 2008 15-18 June, 2008 Loen, Norway

- ANALYSDAGARNA 2008 16-18 June, 2008 Göteborg, Sweden: Report by Bo Karlberg

- DANSAK 9 18-20 August, 2008 Copenhagen, Denmark: Report by Jens Andersen

6. Any other business

6.1 Date and venue confirmed for the DAC Annual Meeting 2009: Congress Centre Innsbruck, Sunday, September 6 at 9 am to 1 pm, Innsbruck, Austria.

6.2 The request from Editor David Hills of the Eclipse Magazine for a list of Delegates or an e-mail list was denied. The Editor is advised to seek relevant information at the DAC website.

6.3 The Chairman proposed to the Delegates a DAC booklet on methodologies of Analytical Chemistry. A similar booklet on Chemistry authored by Richard Pike was published recently at the EuCheMS homepage. It is intended as a brief and comprehensive tutorial explaining the most important technical features of contemporary apparatus. The target group is students and colleagues not working in Analytical Chemistry.

DAC Structure (2008)

Chair: Bo Karlberg

Secretary: Jens Andersen

Steering Committee: Bo Karlberg (Chair), Jens Andersen, Wolfgang Buchberger, George Horvai, Paul Worsfold.

Study Group 'Education': Reiner Salzer (Head), J. Andersen, A. Hulanicki, M. Karayannis, S. Ražić

Study Group 'History': Duncan T. Burns (Head)
Filomena Camões, Luigia Sabbatini, (ex officio: Jens Andersen);
further members according tasks

Study Group 'Quality Assurance': Jens Andersen (Head)
Hendrik Emons/CITAC

Study Group 'Bioanalytics': George Horvai (Head)
Hendrik Emons, Jan Labuda, José Pingarrón (ex officio: Jens Andersen)

Study Group 'European Analytical Chemistry on the Web': Bo Karlberg (Head), George Horvai, Gemma Rauret (ex officio: Jens Andersen)

Task Force 'Opportunities for Analytical Chemistry': Vladimir Zaitsev (head), Wolfgang Buchberger (ex officio Jens Andersen)

Liaison Persons to EuCheMS Divisions and Working Parties as well as to other organisations

Education Reiner Salzer

History Duncan Burns

Life Sciences George Horvai

Food Bo Karlberg

Environment Gemma Rauret

Electrochemistry Luigia Sabbatini, José Pingarrón

Computational Filomena Camões, Bo Karlberg

Microsystems Jeremy Glennon

IUPAC Jan Labuda, Walter Lund

EURACHEM Jens Andersen

CITAC Hendrik Emons

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