

Division of Analytical Chemistry

European Association for Chemical and Molecular Sciences



2006 Annual Meeting

37th Meeting of DAC-EuCheMS

Sunday, 25 June 2006 from 10:00 to 18:00

United Research and Development Centre, Leninskii pr.55/1, Moscow, Russia

MINUTES

Participants

Austria	Prof. W. Buchberger*	Gesellschaft Österreichischer Chemiker
Brazil	Prof. S. Cadore	Brazilian Chemical Society
CEC	Prof. M. Grasserbauer	
Czech Rep.	Dr. J. Barek*	Czech Chemical Society
Denmark	Dr. J. Andersen*	Danish Chemical Society
Germany	Prof. R. Salzer*	Gesellschaft Deutscher Chemiker
	Dr. E.H. Korte*	Deutsche Bunsen-Gesellschaft
Greece	Prof. Karayannis*	Association of Greek Chemists
Hungary	Prof. G. Horvai*	Hungarian Chemical Society
Japan	Prof. T. Kitamori	The Japan Society for Analytical Chemistry
Poland	Prof. A. Hulanicki*	Polish Chemical Society & Committee on Analytical Chemistry of PAS
Russia	Prof. Shtykov*	Mendeleev Russian Chemical Society
	Prof. Yu. Zolotov	– " –
	Prof. B. Ya. Spivakov*	Scientific Council on Analytical Chem. of RAS
Serbia	Dr. S. Ražić*	Serbian Chemical Society
Slovakia	Prof. J. Labuda*	Slovak Chemical Society
Spain	Prof. M. Valcárcel	Societat Espanyola de Quimica Analítica (SEQA)
	Prof. J.M. Pingarrón**	Spanish Royal Society of Chemistry & SEQA
Sweden	Prof. B. Karlberg*	Swedish Chemical Society
UK	Prof P. Worsfold*	The Royal Society of Chemistry
	Prof. D.T. Burns	– " –
Ukraine	Prof. V. Zaitsev*	Ukrainian Chemical Society

thus:

17 EuCheMS Member Societies (14 countries) represented by Delegates with voting rights (*)

Apologies:

A. Adriaens (Royal Flemish Chem. Soc.); G.E. Baiulescu (Romanian Soc. Analyt. Chem.); M.F. Camões (Portuguese Chem. Soc.); H. Emons (ISO REMCO); J. Glennon (Inst. Chem. of Ireland); C.P. Kapnissi-Christodoulou (Pancyprian Union of Chemists); W. Lindner (Austrian Soc. Analyt. Chem.); W. Lund (Norwegian Chem. Soc.); L. Niinistö (Assoc. Finnish Chem. Soc.); L. Sabbatini (Italian Chem. Soc.); G. Somer (Turkish Chem. Soc.); C.T. Stafilov (Soc. Chem. & Technol. Macedonia); M. Veber (Slovenian Chem. Soc.); P.G. Zamboni (Italian Chem. Soc.)

1. Opening

The Chairman, Bo Karlberg, opened the Annual Meeting, welcomed the participants and thanked the ICAS Organizers for providing the opportunity to meet in this highly interesting and well equipped research centre. Boris Spivakov welcomed the participants as Chairman of ICAS and expressed his pleasure to meet them in Moscow.

Due to some new members the participants introduced themselves. The Secretary informed that the Pancyprian Union of Chemists and the Association of Chemists and Technologists of Macedonia had appointed Delegates for the first time, who unfortunately both, Constantina Kapnissi-Christodoulou and Trajče Stafilov, respectively, were not able to attend the Annual Meeting. New Delegates to replace retired ones were appointed by the Irish Institute of Chemistry (Jeremy Glennon), The Israel Chemical Society (Daniel Mandler), the Russian Mendeleev Chemical Society (Sergey Shtykov), as were the Observers from the Brazil Chemical Society (Solange Cadore) and the Japan Analytical Chemistry Society (Takehiko Kitamori).

As the two new Observers were present, they gave a short account on the situation in their respective countries. S. Cadore stressed the high number of 55 courses on analytical chemistry at Brazilian universities and mentions an estimate of 30% as the share of analytical chemistry of chemistry in total. T. Kitamori explains the highly favourable cooperation between universities, government and industry in his country.

Since three members of DAC (Jan Labuda, Walter Lund and Bryan Hibbert) are also affiliated with IUPAC, it was agreed that this should warrant a sufficient flow of information. Jan Labuda was asked to take care that DAC Annual Meeting regularly receives a report on IUPAC activities. The EuCheMS Division of Nuclear and Radiochemistry appointed Xiaolin Hou (Denmark) as liaison person from their side. The newly appointed Delegate from Ireland is also member of the WP Microsystems in Chemistry which should facilitate cooperation.

The Secretary was asked to distribute a list of current Delegates with their postal and e-mail addresses. As to some societies whose appointed Delegates do not attend the Annual Meeting or keep in contact otherwise, the Chairman was asked to approach their Presidents during the EuCheMS General Meeting in October.

The Secretary gave copies of the book "25 years of the FECS Working Party Analytical Chemistry" (D.T. Burns, A. Gogala, H. Malissa and L. Niinistö) to the four recently appointed members (Shtykov, Kitamori, Cadore, Ražić). The copies are a gift from the Slovenian Chemical Society, which published the book in 1999.

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

The **Minutes** of the 36th DAC Meeting held in Stockholm, Sweden, on 26 June 2005, were accepted as mailed with the Letter of Information dated 26 July 2005.

2. Report of the Chairman

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

Three **Letters of Information** with several attachments have been circulated since the previous Annual Meeting. The 34th issue of the **European Analytical Column** has been produced; it is available at the DAC website and appeared already or will appear soon in the usual addressed international journals and newsletters. The **Annual Report 2004** has been delivered to the EuCheMS Secretariat.

The **DAC Steering Committee** has met twice, namely on 14 October 2005 in Nicosia, Cyprus, and on 24 June 2006 in Moscow, Russia, in order to deal with matters of strategic or current importance and to prepare for the Annual Meeting.

The Chairman represented the Division in the **EuCheMS Executive Committee** and General Assembly meetings (13-14 October 2005 in Nicosia, Cyprus, and on 26 April 2006 in Brussels, Belgium) giving accounts of the activities of the division. The Ethical Guidelines for Publications which were drafted under his guidance have been passed. Publication in *Analyt. Bioanalyt. Chem.* has been agreed.

3. Initiatives towards DAC aims, strategies and activities

3.1 News from EuCheMS

Eventually EuCheMS has acquired the status of a legal entity located in Brussels, Belgium. The foundation of new Divisions, particularly in the core disciplines, is encouraged by the boards.

3.2 First European Chemistry Congress, Budapest

George Horvai, head of the local organizers, reported the receipt of some 2000 abstracts, and about 1500 participants have paid the fees so far. The program will be made up mostly by invited lectures, five Nobel laureates have confirmed their talks. As to the "submitted topics" a definite preference of aspects from organic chemistry is observed. A number of side events are announced among which is the Symposium of the History Division, History of the Food Chain in cooperation with the DAC, and a special session on miniaturization.

3.3 EuCheMS Newsletter

EuCheMS intends to issue a Newsletter four times a year to provide information on what is and what does the association and in this way improve the visibility of EuCheMS. It will reach the individual chemist primarily by distributing it via the EuCheMS Member Society, possibly as separate hard copies or as part of their printed or electronic communication.

3.4 Cooperation with other EuCheMS Divisions and Working Parties

Reiner Salzer has participated in meetings of the **Education Division**. He reported on an elaborate system of mutual information and efficient discussion during the meetings. The interest of the Division is mainly devoted to secondary education and therefore the overlap with DAC activities is limited.

Bo Karlberg reports that there will be a special session is planned at Euroanalysis 2007 in cooperation with the **Food Chemistry Division**. A similar arrangement is envisaged for Euroanalysis 2009.

Duncan Burns reported that the Annual Meeting of the **History Division** will be held in conjunction with the Budapest Congress. He is involved in their satellite meeting on History of the Food Chain.

Heiner Korte gave information on the special session of the Budapest Congress organized by the WP **Microsystems in Chemistry**. One of the speakers there is the new DAC Delegate from Ireland.

A general interest in knowing about the activities and aims of **Eurachem** is expressed. The present affiliation is via Fiomena Camoes and Wolfhard Wegscheider, they should be asked to inform the DAC Annual Meeting in the future.

Milt Karayannis, who is in charge of the **EChemTest Group** which is developing a library of questions, asks about establishing a formal link to ECTN. Duncan Burns favored the

development of a position paper. After discussion it was decided to keep the link to **ECTN** via the Study Group Education.

3.5 Call for nominations for the DAC Chairman

It was noted that the three years term of office of the Chairman will expire end of next year so that a new chair has to be elected by the 2007 Annual Meeting. The re-election of the present chair is possible. On behalf of the Polish Chemical Society and the DAC Steering Committee, Adam Hulanicki nominated Bo Karlberg for re-election. Bo Karlberg confirmed he was prepared to serve in this capacity for a second term of office (2008-2010).

As the DAC Procedures and Practices were established with the idea of phase shifted terms of office of Chairman and Secretary, so that their change does not coincide, another secretary should be appointed next year. The chair candidate is aware of the vacancy.

3.6 Approval of the Jury for the Robert-Kellner Lecture 2007

The jury consisting of Wolfgang Lindner, Lauri Niinistö, Alan Townshend, Miguel Valcarcel (chair), and Yuri Zolotov was endorsed.

3.7 Call for nominations: Robert-Kellner Lecture at EUROANALYSIS, Antwerp

The announcement was made, the formal call in written form (paper or e-mail) and including the related statutes, will follow. ABC will be asked to publish an advertisement and the member societies are requested to publish the announcement in their newsletters - the Delegates and Observers are encouraged to promote such actions.

Letters to nominate a candidate stating the requested information must reach the Secretary not later than 31 October 2006. The following Delegates volunteered to nominate a candidate or to initiate a nomination of a candidate: Barek, Buchberger, Burns, Hulanicki, Karlberg, Pingarron, Salzer, Zaitsev.

3.8 Call for invitations for EUROANALYSIS 2011

The announcement was made, the formal call in written form (paper or e-mail) and including the rules, will be mailed with the Minutes of the 2006 Annual Meeting. The Bid Book should be sent to all Delegates before end of May 2007.

3.9 Approval of the corrected DAC statutes "Procedures and Practices"

The corrected version in which the former name of the parent association 'FECS' was replaced with EuCheMS was passed unanimously.

3.10 Future tasks, structure and membership of DAC Study Groups

The present Study Groups Education, History and Bioanalytics are active, their reports are available. For the Study Group Education, Reiner Salzer nominates the members J. Andersen, A. Hulanicki, M. Karayannis, S. Ražić.

The future of the **Study Group "Quality Assurance and Accreditation"** was discussed. In recent years the Study Group did not undertake its own projects, however the information on what is going on in this important field is highly desirable. It is proposed to re-define the task and choose a new name, however there was no obvious name at hand. As an alternative, the connection to Eurachem could be strengthened and annual reports requested from our liaison persons. Any further decision was shifted to the 2007 Annual Meeting.

Starting from a remark by Manfred Grasserbauer, a new **Task Force** is considered to explore "**Opportunities for Analytical Chemistry**". It is intended to identify essential future fields, such as nanoscience, modelling, health concerns and to watch technology platforms and other initiatives. Vladimir Zaitsev is appointed chair, members are to be nominated, Heiner Korte joins as DAC Secretary and will keep contact to the European joint research facilities.

3.11 **Extension of the Directory of Delegates to include fields of expertise**

The proposal is unanimously accepted. Delegates and Observers are asked to provide information, which is then edited and included in the DAC Directory

3.12 **Identifying clusters of DAC experts as potential partners for external groups**

In numerous fields of analytical chemistry, in particular with respect to methods such as spectroscopy and separation, international groups exist or can be expected to be formed. To provide them with competent partnership, the related Delegates and Observers of DAC shall be identified as clusters. These clusters are not meant to create a new structural level. The result and its presentation on the DAC website will be discussed at the next Annual Meeting.

The Meeting was interrupted for Lunch, a visit to the Conference Centre of RAS to allow the participants to check in for ICAS-2006, and a short visit to laboratories of the United Research and Development Centre, where the Annual Meeting took place.

4. **Thanks**

The Chairman Bo Karlberg used the presence of his predecessor in the office, Miguel Valcárcel, to thank him for his strong engagement and all the achievements made for on the benefit of DAC.

5. **Reports and Discussions**

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

Report 2005/06

European Chemistry Thematic Network Association and Eurocurriculum II

1. Relation to DivCEd
2. Development of a collection of case studies
3. Organizational: membership, future workshops

The European Chemistry Thematic Network ECTN and its legal body, the European Chemistry Thematic Network Agency ECTNA (www.cpe.fr/ectn-assoc/contact.htm) continue to be a driving force in the Bologna process. ECTNA is the owner of the Eurobachelor[®] label. Several universities across Europe were already awarded the Eurobachelor[®] label, more applications are under review. Reiner Salzer, head of the Study Group Education, was recently elected member of the Label Committee of ECTNA. Another important development within ECTN is the EChemTest project (www.echemtest.net). Analytical Chemistry gained a strong position within EChemTest thanks to the activities of the Study Group member Milt Karayannis (Greece).

The relations between DAC/SG Education and DivCEd became much closer during last year. Reiner Salzer, head of the Study Group Education, was invited as guest to the last meeting of the DivCEd Board and attended the Annual Meeting of DivCEd. The information exchange

between DAC and DivCEd was thus intensified. The next DivCEd Board Meeting will take place in Budapest after the 1st European Chemistry Congress.

The development of a collection of case studies is the current core activity of the Study Group Education. Several proposals were already submitted. Nevertheless, the progress was slower than intended. The reason for the delay were discussed and measures for improvement were chosen.

Reiner Salzer

5.2 Study Group 'Quality Assurance & Accreditat.', Head: Prof. W. Wegscheider
no report was presented

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

Activities of the Study Group History for 2005-2006

The listing of "Contributions to the History of Analytical Chemistry in Europe made via DAC-EuCheMS", is available on the DAC web-site and has been up dated.

Work continues on the series "People and Places Important in the History of Specific Countries, Hosts of Euroanalysis Conferences". The account for Portugal is completed and published [Burns, Camões and da Costa, *Microchim. Acta*, **152**, 137-151, (2005)] and that for Italy is now written [Burns, Piccardi and Sabbatini] and awaits selection of the illustrations. Prof. J. M. Cano Pavon, University of Málaga, has agreed to produce an account for Spain. Attention is drawn to the paper by E. Homberg, "The Rise of Analytical Chemistry and its Consequences for the Development of the German Chemical Profession (1780-1860)", *Ambix*, **46**, 1-32, (1999). This leaves only the pre 1780 and the post 1860 periods with no proper accounts.

Active collaboration continues with the EuCheMS-Working Party on the History of Chemistry. Since the last Annual Meeting of DAC, inputs were made to the most successful (127 delegates) "5th. International Conference on the History of Chemistry", Estoril, Portugal, 6-9 Sept. 2005. Papers were presented by all 3 of the authors of the DAC paper on Portuguese Analytical Chemistry. The Conference Proceedings are in press. At the 2005 Annual Meeting of the Working Party on the History of Chemistry in Estoril, DAC support was given to the topic of food analysis as a conference theme. Since then, an extremely interesting programme has been developed for a Satellite Conference to the 1st. European Chemistry Congress, on the topic of the "History of the Food Chain". This will be held in Gödöllő, near to Budapest in the parklands of Szent István University, 31 Aug. -3 Sept., 2006. About 50% of the papers are of direct analytical interest and your participation is welcomed to what will be an excellent social and academic event. Please visit the conference Web-site, www.chemhistory2006.mke.org.hu.

D. Thorburn Burns

5.4 Task Force 'Bioanalytics', Head: Prof. G. Horvai

The Bioanalytics Task Force has been converted into a Study Group by the 2005 Annual Meeting. George Horvai's oral report followed the terms of reference which are:

- 1 setting up bioanalytical subdivisions in the analytical chemistry divisions of the national societies
- 2 including bioanalytical sessions in meetings, conferences and continuing education courses in analytical chemistry

- 3 Integrate bioanalysis into analytical chemistry education (curricula). Achieve that basic analytical chemical considerations and methodology should be adequately included in bioanalysis or biochemistry curricula.
- 4 Collect and disseminate information on educational materials and activities (such as curricula, courses, books, textbooks, etc.) which integrate analytical and bioanalytical chemistry.
- 5 Find the important representatives of the bioanalytical community and establish links to them or convince them to join us.
- 6 Collect and disseminate information on standardization, reference materials, etc. in bioanalysis.

The full report will be made available at the DAC website.

5.5 Task Force 'European AC on the web', Head: Prof. B. Karlberg

An oral report was given to the Annual Meeting. The current version of the European AV on the web can be reached at <http://www.anchem.su.se/euchems>. The Delegates were asked to submit updates. The objective is that the homepage address will be switched to DAC's own homepage by the end of 2006.

5.6 EUROANALYSIS XIV (EuCheMS Event No. 311) Antwerp, Belgium, 2-7 Sep 2007

Chair: Prof. K. Janssens

Neither a report was presented nor an organizer or representative of the relevant member society was present. Therefore the discussion of the documents received was mostly inefficient. Questions regarding the proposed program as well as organizational strategies remained open. The Presidium was asked to meet with the organizers again as soon as possible; as an alternative, such a contact could be realized when the Steering Committee next meets. This should be arranged for in early autumn. The Royal Flemish Chemical Society should be asked to appoint a liaison person for this project.

The date of **EUROANALYSIS XV**, Innsbruck, Austria, was fixed to cover the first entire week of September 2009.

5.7 Events 'organized in cooperation with DAC-EuCheMS'

As far as organizers or participants of these meetings were present, short information was given. In case where reports are submitted these will be made available at the DAC website. It is proposed that the next IMA as well as the mentioned NIR meeting apply for DAC 'cooperation'.

An invitation of the DAC Chairman has been received from the In Vino Analytica Scientia conference in Melbourne, Australia. Wolfgang Buchberger will attend on behalf of the Chairman.

6. Any other business

The **2007 DAC Annual Meeting** was invited to be held on Sunday, 09 Sept. 2007, in Antwerp, Belgium, in conjunction with Euroanalysis XIV

The Chairman closes the Annual Meeting with thanks to the ICAS organizers for their hospitality to DAC and to all participants for their attendance and cooperation.

kt/2006-07-05

DAC Structure

(2006/7)

Chair: Bo Karlberg

Secretary: Heiner Korte

Steering Committee: Bo Karlberg (chair), Jens Andersen, Wolfgang Buchberger, George Horvai, Adam Hulanicki, Heiner Korte

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: Heiner Korte);
further members according tasks

Study Group 'Quality Assurance and Accreditation': Wolfhard Wegscheider (head)

Study Group 'Bioanalytics': George Horvai (head)
Hendrik Emons, Jan Labuda, José Pingarrón (ex officio: Heiner Korte)

Task Force 'European Analytical Chemistry on the Web': Bo Karlberg (head),
George Horvai, Adam Hulanicki, Gemma Rauret, (ex officio: Heiner Korte)

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

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

Education	Reiner Salzer
Food	Bo Karlberg
Environment	Gemma Rauret
Electrochemistry	Luigia Sabbatini, José Pingarrón
Computational	Filomena Camões, Bo Karlberg
History	Duncan Burns
Microsystems	Heiner Korte, Jeremy Glennon
Life Sciences	George Horvai
EURACHEM	Filomena Camões, Wolfhard Wegscheider
IUPAC	Jan Labuda, Walter Lund
ISO REMCO	Hendrik Emons
CEC	Manfred Grasserbauer