

# INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

## COMMISSION ON

### SEPARATION METHODS IN ANALYTICAL CHEMISTRY V.3.

**15th -16th September 2000**  
**Hotel Suza, Bratislava**

#### Present

Professor R. M. Smith, chairman  
Professor J. Å. Jönsson, secretary  
Professor V. A. Davankov  
Dr. J. A. Garcia-Dominguez

Professor D. Berek  
Professor M-L. Riekkola  
Professor P. A. Siskos  
Professor P. Jandera

- A. Welcome by Chairman to meeting of Commission V.3.
- B. Comments by Chairman and Secretary - organizational  
*Prof. Berek described the arrangements planned for the meeting, including a short excursion to the castle of Devín*
- C. Apologies for absence  
*Professor J. Namiesnik (Poland)*  
*Professor D. Pyo (Korea)*
- D. Minutes of meeting of Commission held in Berlin August 1999  
*The minutes were accepted without changes.*  
*As an update, the following points from the agenda were commented by the chairman:*  
*G.a. The paper on electrochemical detection in liquid chromatography has appeared*  
*G.b. There is no known progress on the “hyphenation” project.*
- E. Matters arising from the minutes not listed later - for addition to agenda  
*None*

F. Reports from the Analytical Chemistry Division

*The chairman described the latest news about the organization of IUPAC, mainly arising from a Division meeting in Manchester, May 2000:*

*As the commission structure will be abolished after 2001, the last meeting of this commission will be held at the GA in Brisbane 2001. The organization of the Division Committee is still unclear in terms of number of participants and election process, but there is a concern that not all research areas will be represented.*

*Current projects have to be in a state of review before Brisbane 2001, and manuscripts have to be submitted to PAC before the end of 2001, otherwise projects will be automatically closed. Projects that should be continued after 2001 need a new proposal to be taken up as a Division project. Only a limited number of such Division projects was expected as new projects have to be individually funded*

*It was seen crucial for IUPAC to improve its visibility at conferences, etc.*

G. Discussion of current projects

1. Nomenclature for Field flow fractionation - (Project 530/11/97) (Jönsson)  
This project has been abandoned due to lack of response from the authors,  
*Nothing to add*
2. Definition of dead volume in chromatography (Project 530/12/97).  
(Garcia-Dominguez)  
*This paper is on public review until Feb 28, 2001. Some comments were obtained and these were discussed in the commission. The final revision will have to wait until the end of the public review.*
3. Retention parameters in gas chromatography (Project 530/13/97)  
(Davankov)  
*This paper is on public review until Feb 28, 2001. Some comments were obtained and these were discussed in the commission. The final revision will have to wait until after the end of the public review.*
4. Mobile phases for liquid chromatography. Part I, Descriptive terminology  
(Project 530/9/95) (Siskos and coworkers).  
*The most important terms that were defined in this project have been incorporated in the projects 530/12/97 and 530/13/97 and therefore this project will be abandoned.*

5. “Nomenclature for Analytical electromigration techniques”(Project 530/10/95)  
(Riekkola)  
*The circulated draft was discussed and it was agreed that Profs. Riekkola and Jönsson together will prepare a new, hopefully final version that will be circulated for comment before Brisbane.*
6. Nomenclature for chromatography of polymers and related substances (Project 422/1/98, in cooperation with the Macromolecular Division)  
(Berek)  
*There has been considerable difficulty in finding enough interested members to form a working party for this project. It will be terminated and a new interdivisional project will be initiated with the name “Nomenclature and terminology for chromatography of polymers and related substances”*
7. Terminology for the description of peak asymmetry in chromatography (Project 990442/500/00)  
(Jönsson)  
*This project is already accepted as a division project and can thus continue after Brisbane, although it probably will be incorporated as a part of a larger project, see item H. A discussion and background paper was circulated and it was decided that publication in some widespread journal, (LC-GC was suggested) should be attempted, in order to point out the current inconsistencies in this field to the public.*

#### H. Projects in draft stage

Note that the proposed changes in IUPAC organization mean that a project will probably need to be completed by 2001

1. Sample preparation methods (Jönsson)  
*This could possibly become a future Division or interdivision project, but in the view of the limited number of Division projects that were supposed to become accepted, it was decided to postpone this suggestion in favor of the following.*
2. Updating of Chromatography Nomenclature  
*This important task could form the basis for a new Division project with the aim of compiling and coordinating earlier recommendations from the Commission, as well as new ones. There was concern that although the Commission's more recent reports had been included in the Orange book these paper had not been integrated with the earlier General Nomenclature for Chromatography and that subsequent updating and corrections had occurred. The intention was to create an electronic coordinated-Nomenclature that could be updated as new developments took place and which as appropriate could become part of an electronic Orange book in the future. The aim would be to develop a web-based and up-to-date terminology of chromatography and related techniques. It was decided to prepare an application to the Division.*

*Some earlier suggested subtasks that could be included in this “umbrella project” include: Updating of GLC nomenclature, nomenclature of detection in chromatography, definition and description of modes of chromatography. Also the peak asymmetry project (see above) could be included.*

- I. Possible future projects for consideration  
Integrators and quantitation  
Identification in separation methods  
*These suggestions were felt to be of less important. If they can not be incorporated into a future “updating” project, they have to be considered later.*

- J. Membership and officers - for information - all appointments until 2001

Titular Members

Professor R. M. Smith, Chairman

Professor J. Å. Jönsson, Secretary

Professor V. A. Davankov

Dr. J. A. Garcia-Dominguez

Associate Members

Professor D. Berek

Professor M-L. Riekkola

Professor P. Jandera

Professor P. A. Siskos

National Representatives

Professor J. Namiesnik (Poland)

Professor D. Pyo (Korea)

*There was an unfortunate error in this list, as circulated before the meeting. The secretary asks for forgiveness for this!*

- K. Any Other Business

*None*

- L. Next meeting (the last meeting of the Commission in the present form)

*Brisbane 30 June - 2 July 2001*

*The chairman closed the meeting and expressed the thanks of the Commission to Prof. Berek for efficient organization and very good facilities for this meeting.*