

## Minutes of the Meeting in Berlin, August 8/9 1999

(IUPAC Commission on Atmospheric Chemistry, VI.2)

**ATTENDANCE** N. Bazhin (TM), W. Hauthal (observer), O. Hertel (NR), L. Jalkanen (OF), L. Klasinc (Secretary), Y.Y. Lee (NR), G. Roberts (observer, NSF), S. Schwartz ( TM), J. Slanina (NR), T. Tavares (Chair), Y. Zhang (TM).

### **1. OPENING AND COMUNICATIONS**

The Chairperson opened the meeting, welcomed the attendants and informed about those unable to attend. The following changes in national representation have been announced: Dr. J.J. Pienaar (South Africa), Prof. M. Luria will be substitution Prof. Assa Lifshitz (Israel). Dr. G. Roberts was introduced by S. Schwartz as an observer delegated by the US National Committee for the IUPAC, with headquarters at National Research Council.

### **2. ACCEPTANCE/AMENDMENTS OF THE AGENDA**

The agenda available at the meeting was accepted with minor changes, which were introduced (see attachment).

### **3. ACCEPTANCE OF MINUTES OF THE MEETING IN CROATIA MAY 23/24 1998**

Minutes of the meeting in Dubrovnik (Croatia), were accepted with corrections. The accepted Minutes are enclosed as attachment.

### **4. REVIEW OF THE ORGANISATION OF THE COMMISSION**

Concerning the new organisation of IUPAC whereby the commissions cease to exist by 2001 it was decided to go along with the new structure and task forces for new project coming out from VI.2. The new projects will be submitted to de Chemistry and Environmental Division (VI) during the General Assembly in Berlin.

### **5. REVIEW OF PROJECTS**

The projects of VI.2 and those performed in co-operation with other Commissions/Divisions and their status is given in the attached Table 1.

### **6. REVIEW OF JOINT PROJECTS WITH OTHER COMMISSIONS**

The status is shown in the attached Table 1.

### **7. SUBCOMMITTEES OF COMMISSION VI.2**

Subcommittee on Diffusive Sampling has been resolved because the work is completed and in the process of publication.

### **8. REVIEW OF FEASIBILITY STUDIES**

### **8.1 Deposition on Different Scales of Space and Time of Inorganic and Organic Compounds (with commission VI.3, Soil and Water Chemistry)**

Decision taken jointly with Commission VI-3 was to carry on this project as a workshop, attached to the Division Meeting, in June 2000 in Israel. R. V. Grieken agreed by e-mail to be the leader for VI.2.

### **8.2 Workshops on Local Air Pollution Problems (Slanina, helped by Tavares, Allegrini, Van Grieken and Jalkanen)**

It is decided to continue this project and submit it as an interdivisional new project for the workshop in Guanzhou in 2000 (or later). Responsible leader for VI.2 Y. Zhang (see Table 2.)

### **8.3 Book on Analytical Techniques**

This project should not be pursued.

### **8.4 Chemistry of Mercury in the Atmosphere (Allegrini)**

This project should not be pursued.

### **8.5 Estimating Reliability of Published Environmental Data and**

### **8.6 Code of Practice for Reporting Analytical Data for Environmental Samples**

Both projects were considered as very difficult to be pursued and after the meeting with Commission VI-3, it was decided to be dropped. Among the arguments was the one that ISO (and other institutions including other commissions of IUPAC ) are working on similar topics, which are expected to be more followed.

### **8.7 Workshops on Education in Developing Countries**

Part of new project Workshop on Local air pollution in developing countries (Y. Zhang). See 8.2 and Table 2.

### **8.8 Human Exposure to Outdoor Air Pollution (possible project with Commission VII. C.2, Toxicology)**

Hertel presented a document: IUPAC Recommendation: Human Exposure to Outdoor Air Pollution, serving as basis for a new project (O. Hertel). See Table 2.

### **8.9 Significance of Pesticides in the Environment (possible joint project with Commission VI. 4 for Agrochemical and the Environment: R. Brown and T. Tavares)**

The possibility of such project is dropped.

### **8.10 Glossary of Terms in Atmospheric Chemistry**

It is decided to start a new project dealing with the revision of the Glossary published by J. Calvert in Pure and Applied Chemistry in 1990. S. Schwartz acting as leader will contact also J. Calvert for co-operation (see table 2).

## **9. NEW FEASIBILITY STUDIES**

**9.1.** Local Radiative Balance, the influence of aerosols.

It is decided to submit it as a new project (J. Slanina). See Table 2.

## **10. PROPOSED TASK FORCES**

The task forces agreed during the meeting can be seen in table 2.

## **11. LIAISON AND RELATIONS TO OTHER IUPAC COMMISSIONS**

It was decided to promote and continue new and existing co-operation with IUPAC commissions.

## **12. LIAISON AND RELATIONS TO NON-IUPAC ORGANISATIONS**

Co-operation with WMO, EGU, IGAC, IOCD, WHO, EU and EUROTRAC will be continued and pursued within existing and new projects.

## **13. MEMBERSHIP OF VI.2 for Jan 2000-Dec 2001**

T. Tavares continues to act as chairperson and was nominated for TM in DCE.

L. Klasinc continues to act as secretary and was recommended as candidate for AM in DCE.

Y. Zhang and O. Hertel are recommended for TM.

N. Bazhin, R. Brown, K. Kawamura, S. Schwartz and I. Alegrini are recommended for AM.

E. Bottani, R. v. Grieken, S. Krishnaswami, M. Luria, Y. Lee, J. Slanina and J. Pienaar are accepted for NR.

L. Jalkanen is accepted as OF.

G. Roberts and W. Hauthal have been accepted as observer for the next meeting.

## **14. PLANING OF NEXT MEETING**

Next meeting will be held in Israel, in Israel in June 2000 (final date to be set between Dr Shevah, chairman of commission VI-3 and Dr. Klein, new chairman of Division VI), coinciding with the DCE and Commission VI-3 meetings and the Workshop on Atmospheric deposition.

## **15. CONCLUSION AND CLOSING**

Sjaak Slanina put motion and approved by commission to be requested a written answer from the Division to the letter jointly written during the meeting in Dubrovnik with suggestions for changes in IUPAC.

In view of the new organisation scheme within IUPAC it was concluded that the strategies of VI.2 should comprise:

1. Attract potential collaborators through the planned Workshops (Table 2).

2. Retrieve former members of VI.2 as far back as possible; start a clarification campaign as to the new system and try to have them involved in future task force projects.
3. Increase co-operation with other Commissions/Divisions and keep the valuable human potential of the VI.2 preserved for IUPAC.

Table 1. Commission VI.2 Projects

No.	Leader	Project	Cooperation	Situation
620/12/89	Hertel, Zhang, Klasinc	Articles on Local Environmental Problems		Continuos project 2 Articles in 98 (Croatia, Turkey) and 2 planned for 99 (Tavares, Hertel)
620/19/95	Brown	Development of Diffusive Samplers		Finished. The document is sent for printing to IUPAC.
620/20/95	Klasinc	Modelling Life Time and Degradability of Organic Compounds	VI.3	Finished. Conference proceedings in PAC and Chemosphere Continues in VI.3.
620/21/95	Tavares	Follow-up Workshop Measurement Techniques in Atmospheric Chemistry	WMO EGU IGAC	Published in Chem. Int. and IGAC activities Newsletter
620/22/95	Tavares	Major Concerns and Research Needs in Developing Countries		Merged with the new task Workshop Guanzhou, China
620/24/95	Bazhin	Photocatalytic and Catalytic Effects on Aerosol Surface in the Atmosphere		Finished, presented and published in Chemosphere (see 620/20/95)
620/25/95	Bazhin	Photochemical Reactions of Co-ordination compounds in Water Droplets in the Atmosphere		Project leader has asked for extension of 1 yr.
620/26/95	Akimoto	Distribution and Seasonal Variation of Regional Ozone		Cancelled by project leader
620/11/89 620/23/96	*Education (Tang, Bazhin) and *Inventory of Networks (Slanina)	*New title: Internet web page of Commission VI.2 (Klasinc, Slanina)		continuos project
JOINT PROJECTS WITH OTHER COMMISSIONS				
581/39/96	Fogg (Clegg) Schwartz	Chemicals in the Atmosphere: Solubilities in	V.8	Book in preparation with Wiley.

		Aqueous Media		(S.Schwartz)
140/7/93	Pienaar (Warneck) Herron	Aqueous Solution Kinetics Data for Atmospheric Chemistry	I.4	will continue with new leader from VI.2 - Pienaar

Table 2. New Task force projects 2000 - 2002

No.	\$	Title	Leader	Co-operation with	1999	2000	2001	2002
1	0	Glossary of Atmospheric Chemistry	S. Schwartz		Aug	----- ----	Jul	
2	10,000	Workshop on Atmospheric deposition in Israel 2000	R. v. Grieken	DCE VI.3	Sep	----- ----	Aug	
3	5,000	Local Radiation balance: Influence of aerosol	J. Slanina	ECN EU	Sep	----- ----	----- ----	Aug
4	10,000	Workshop on Local air pollution in developing countries in Guanzhou 2000*	Y. Zhang	interdivisional IOCD, WHO	Sep	----- ----	Aug *	
5	5,000	Assessment of human exposure to outdoor pollution	O. Hertel	EU	Sep	----- ----	----- ----	Aug

\* May be shifted to 2001 or even 2002.

Minutes prepared by Leo Klasinc and checked by T. Tavares.