

**Meeting of IUPAC Commission III.3 on Photochemistry, Minutes  
Wednesday, 26 July and Thursday, July 27 2000  
at the XVIIIth IUPAC Symposium on Photochemistry in Dresden**

Present: A. U. Acuña-Fernandez (AM), T. Atvars (observer), J. R. Bolton (TM), H. Bouas-Laurent (AM), S. Braslavsky (TM), A. Horvath, S. Icli (NR), I. Lukac (observer), H. Masuhara (AM), F. de Schryver (by invitation), R. G. Weiss (Chairman, TM), J. Wirz (Secretary, TM)

Apologies: S. Formosinho, F.D. Lewis, Y. Eichen, P. Hrdlovic, B. S. Martineigh, G. Pandey, F. H. Quina, I. Saito, S. C. Shim, C.-H. Tung, C. Wentrup.

1. The Chairman opened the first meeting on July 26, 12:10.
2. The *Agenda* was approved.
3. The *Minutes* of the previous meeting of the Commission, held in Berlin, August 8 and 9, 1999, were approved.
4. *Future of the Photochemistry Commission.* At the end of 2001, the IUPAC Commission on Photochemistry (III.3) will cease to exist. National Representatives will also cease to hold positions within IUPAC at this time. Dr. Silvia Braslavsky will continue thereafter as a member of the Organic Chemistry Division (the Division in which Commission III.3 resides). She will be the only member of our community specifically designated to treat issues and projects related to the photosciences within IUPAC.

As a means to ensure the continued active involvement of the photosciences community within IUPAC, to maintain an effective and active dialogue with the greater chemical community that IUPAC encompasses, and to aid Dr. Braslavsky in her efforts to represent the photochemical community's interests within IUPAC, the chairman will invite the three photochemical societies EPA, JPA, and I-APS to establish a formally constituted and charged committee to provide integrated advice and guidance on the state, future direction and integration of the photosciences. This committee should identify projects for future publications in the IUPAC media and the eminent scientists who could lead such projects.

It is essential that S. Braslavsky be positioned directly under the Bureau to allow interactions with all Divisions of IUPAC. She will submit a strategic plan to the Bureau in September 2000.

5. The paper entitled *Organic Photochromism* by Henri Bouas-Laurent and Heinz Dürr will be finalised in the near future to accommodate the comments by the members of the Commission and by the IDCNS [received after the meeting on August 10] and will be submitted for publication as a Technical Report.

The first meeting closed at 13:10. The meeting was resumed on July 27, 17:30

6. A second draft of the paper entitled *Space- and Time-resolved Fluorescence Spectroscopy and Photochemistry* by H. Yoshikawa and H. Masuhara was distributed. Comments by the members are to be sent directly to H. Masuhara to reach him until October 10, 2000.
7. The Standards Recommendation paper entitled *Figures of Merit for the Technical Development and Application of Advanced Oxidation Technologies for Both Electric- and Solar-Driven Systems* by J. R. Bolton, K. G. Bircher, W. Tumas and C. A. Tolman is in press.

8. The Technical Report by J. Bolton on UV disinfection is in preparation.
9. Projects initiated or planned
  - (a) A revised critical compilation of *Actinometry Standards*, including those in the gas phase and operating in the vacuum ultraviolet region, will be prepared by A. Braun, E. Oliveros, in collaboration with others to be named later.
  - (b) D. Phillips (head), Antonio Tedesco, and others to be named later will be asked to write a report on *Photodynamic Therapy*.
  - (c) A report dealing with *Supramolecular Photochemistry* will be initiated by V. Ramamurthy (head), V. Balzani, M. Irie, J. Scheffer and R. G. Weiss.
  - (d) A project entitled *Single Molecule Detection* led by F. de Schryver has been approved by the Bureau.
  - (e) An update to the *Glossary of Terms Used in Photochemistry* by J.W. Verhoeven et al., *Pure & Appl. Chem.* **1996**, *68*, 2223, will be compiled by A. U. Acuña-Fernandez in collaboration with Silvia Braslavsky and Jim Bolton. V. Parmon, and A. Fujishima may contribute topics related to photocatalysis.
  - (f) D. C. Neckers will submit a proposal entitled *Polymer Photochemistry*.
  - (g) Plans to initiate a report on *Photolithography* were abandoned; the frontiers of this research are mostly not in the public domain.
  - (h) A suggestion by S. Icli to write a report on *Photochemistry under Concentrated Sunlight* was discussed. The topic appeared not to be suitable for a technical report.

The second meeting closed at 19:00.

Basel, November 6, 2000

J. Wirz