

Item 11.1: Committee on Printed And Electronic Publications (CPEP) Report to Council

Since reporting to the Council in Berlin in 1999, the Committee (CPEP) met for two days in Jerusalem, Israel, on July 10-11, 2000 and members have since communicated regularly with each other, and with the Secretariat, mainly by email.

From 2000, the Union has been self-publishing both *Pure and Applied Chemistry (PAC)* and *Chemistry International (CI)* without the need for an official publisher. The Secretariat, and those to whom it outsources editorial, printing and distribution services, carry out all routine operations: CPEP has very little involvement. A press release announcing the unchanged subscription price for *PAC*, and the reduced cost of longer-term subscriptions, was sent out at the end of 1999. Subscription prices for *PAC* and *CI* remain unchanged in 2001.

Attempts were made to recruit new members who would be more interested and active participants in the work of *PAC* Editorial Advisory Board but little progress was made. The *PAC* Editorial Advisory Board has thus been disbanded and will not meet in Brisbane. Future editorial strategy for *PAC* is now being studied by a new IUPAC committee.

An article by Professor James Bull publicizing *PAC* special topics has appeared in *CI*. The first issue for *PAC* in 2000 was a double issue of papers arising out of the Workshop on Advanced Materials (Nanotechnology) held last June in Hong Kong. A special issue on Sustainable Chemistry (Green Chemistry) was published as the July issue of *PAC*. The first in what is intended to be a series of invited special topic articles, by Prof. F. Schaeffer, *Quantum chemistry in the 21st century*, was published in the August issue.

It is expected that the print version of *PAC* will continue to be produced with a subscriber base that continues to decline slowly. The Secretariat has produced figures showing the financial impact of declining subscriptions in the next few years. Agreements have been signed with three aggregators, OCLC, EBSCO, and TheScientificWorld, for distribution of electronic versions of *PAC*. It is hoped that *PAC* online will also be available through ChemWeb.com late in 2001. There will be no additional charge for online access for subscribers to the print edition. Users of these services who are not subscribers to the print edition will be able to purchase copies of individual articles online for a small charge. IUPAC reports and recommendations will continue to be available free on the IUPAC web site.

It has proved very difficult to find a Forum Editor for *CI* and efforts were abandoned once a *CI* Strategy Development Committee had been appointed. The Chairman of CPEP attended a meeting of the *Chemistry International* Strategy Development Committee convened by Dr. Michael Bowen in London on January 19, 2001.

The Blackwells stock of books has been bought by the Secretariat who are now successfully selling IUPAC books. IUPAC currently has a bookshelf at Amazon.com and has negotiated a "storefront" on ChemWeb.com. Future book contracts will be negotiated with publishers on a case-by-case basis. A contract has been signed with the Royal Society of Chemistry to publish Part of the *Nomenclature of Inorganic Chemistry* (Red

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Book II) and the revised Red Book. Draft contracts have been received from two publishers for *Quantities, Units and Symbols in Physical Chemistry* (the Green Book). A contract has been signed with Wiley for *The Experimental Determination of Solubilities* by Tompkins et al. A draft contract has been received from Verlag Helvetica Chimica Acta to publish *Pharmaceutical Salts – Properties, Selection, and Use*, Editors Wermuth and Stahl. The feasibility of printing CD-ROMs in-house with one or more of the color books as a series of pdf files is being studied. The feasibility of putting the Orange Book on line on the IUPAC web site is also being studied. The *Compendium of Chemical Terminology* (the Gold Book) is available in a searchable form on the IUPAC web site.

The Secretary of CPEP has been examining all project forms in order to advise, early, on publications issues. The objective is to see that milestones and the method of publication match and are realistic. Books are often not the best way of publicizing results. Efforts have been made to explain widely the nature of reports and recommendations and the procedures involved in publishing them. More work needs to be carried out to clarify the various options open to IUPAC project teams when considering the dissemination of their work. The same errors or failure to understand IUPAC publications policy occur repeatedly in the project proposals. A report will be prepared for discussion for the Friday afternoon meeting in Brisbane to this respect.

The current work of the Internet Working Party is complete. An issue to be considered in future is the use of Extensible Markup Language (XML) and Chemistry in Markup Languages in general (e.g. CML). A committee will meet in Brisbane on Wednesday to progress this. The IUPAC Web site goes from strength to strength and Dr. Fabienne Meyers is sending out regular electronic newsletters. CPEP is disappointed that unofficial Web sites are still being made, despite guidelines discouraging this. ACD/Labs IUPAC/Name software and Beilstein's Autonom (both of them programs for producing names from an input chemical structure) are available via links on the IUPAC Web site. CPEP would like to be proactive in recovering IUPAC data from earlier publications and making them available electronically. Dr. Leslie Glasser was actioned to produce a project proposal for this but this work would be best done by a funded staff member in the Secretariat and no further progress has been made.

In 2000, the Secretary General suggested a new structure for the management of JCAMP-DX (Joint Committee for Atomic and Molecular Physical data) activities. This involved funding only the technique-specific (e.g., Electron Paramagnetic Resonance, EPR) groups as Limited Term Task Groups through the project system and funding the JCAMP-DX advisory team directly through the CPEP budget, using special funding as needed. The CPEP budget has been changed to allow the necessary support of JCAMP-DX work and a meeting will be held in Brisbane prior to the General Assembly. Two recommendations have been finished from the JCAMP-DX activities, one for the establishment of the data exchange and archiving of Ion Mobility Spectrometry data in co-operation with the International Society for Ion Mobility Spectrometry and the second defining NMR pulse sequences.

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CPEP has discussed the chemical identifier proposal (ICHI) in detail and has made numerous suggestions to Dr. Alan McNaught, whose own committee is formally in charge of this work. CPEP ceased to fund the IUCOSPED project (for physicochemical property electronic data files) in 2000 and Dr. Henry Kehiaian has been informed. IUCOSPED continues with funding from ICSTI and perhaps others. A new IUPAC project for IUCOSPED has not been proposed.

The Chairman of CPEP attended the International Council for Scientific and Technical Information (ICSTI) General Assembly in Columbus, Ohio in May 2000 and the Second UNESCO/ICSU Conference on Electronic Publishing in Science held at UNESCO Headquarters in Paris in February 2001. A full report on the latter is available on the Chairman's Web site at <http://www.warr.com>.

Following this report is a summary of the Conference Proceedings, Commission Reports and Recommendations, and books published in 2000.

Wendy A. Warr
Chairman
Committee on Printed and Electronic Publications

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Summary of the Conference Proceedings, Reports and Recommendations, and books published in 2000

(The numbers refer to the page of *PAC* on which the report appears)

CONFERENCES/SYMPOSIA

Bioorganic Chemistry, 5th International IUPAC Symposium on (ISBOC-5), Pune, India, 30 January-4 February 2000: 333-384

Chemical Thermodynamics, 16th IUPAC Conference on (ICCT-2000), Halifax, Nova Scotia, 6-11 August 2000: 1799-1849

High Temperature Materials Chemistry, 10th International Conference on (HTMC-X), Jülich, Germany, 10-14 April 2000: 2101-2186

Nanostructured Systems, 1st IUPAC Workshop on Advanced Materials (WAM-1), Hong Kong, China, 14-18 July 1999: 1-331

Organic Synthesis, 13th International Conference on (ICOS-13), Warsaw, Poland, 1-5 July 2000: 1577-1797

Physical Organic Chemistry, 15th International Conference on (ICPOC 15), Göteborg, Sweden, 8-13 July 2000: 2219-2358

Thermal Analysis and Calorimetry, 12th International Congress on (12th ICTAC), Copenhagen, Denmark, 14-18 August 2000: 2083-2099

Toxicology in Developing Countries, 4th Congress of (4th CTOX-DC), Antalya, Turkey, 6-10 November 1999: 973-1066

IUPAC RECOMMENDATIONS AND REPORTS (R, TECHNICAL REPORT and ASTERIK (*), IUPAC RECOMMENDATIONS)

Biological monitoring for exposure to volatile organic compounds (VOCs) 385*

Chemical research needed to improve high-temperature processing of advanced ceramic materials 1425R

Determination of polar compounds, polymerized and oxidized triacylglycerols, and diacylglycerols in oils and fats. Results of collaborative studies and the standardized method 1563R

Foliar interception and retention values after pesticide application. A proposal for standardized values for environmental risk assessment 2199R

Guidelines for presentation of methodological choices in the publication of computational results. B. Semiempirical electronic structure calculations 1449R

Guidelines for terms related to chemical speciation and fractionation of trace elements. Definitions, structural aspects, and methodological approaches 1453*

Internet and other sources of methods for the assessment of workplace air quality 1471R

Mechanism of $\text{Fe}(\text{OH})^{2+}$ (aq) photolysis in aqueous solution 2187R

Microelectrodes. Definitions, characterization, and applications 1483R

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Names for inorganic radicals 437*

Nomenclature of lignans and neolignans 1493*

Potentiometric selectivity coefficients of ion-selective electrodes. Part I. Inorganic cations 1851R

Properties and units in the clinical laboratory sciences. Part XII. Properties and units in clinical pharmacology and toxicology 479R

Properties and units in the clinical laboratory sciences. Part VIII. Properties and units in clinical microbiology 555R

Properties and units in the clinical laboratory sciences. Part X. Properties and units in general clinical chemistry 747R

Properties and units in the clinical laboratory sciences. XVI. Properties and units in clinical allergology 1067R

Species-selective determination of selenium compounds in biological materials 447R

Spontaneous fission half-lives for ground-state nuclides 1525R

Thermodynamic characterization of high-temperature superconductors in the yttrium-barium-copper-oxygen system. The Y123 solid solution 463R

BOOKS

Equations of State for Fluids and Fluid Mixtures, Volume V of the series on Experimental Thermodynamics, Senger, J. et al. Elsevier.

Principles and Practice of Method Validation, Fajgelj, A. and Ambrus, A., The Royal Society of Chemistry

In Situ Monitoring of Aquatic Systems - Chemical Analysis and Speciation, Series on Analytical and Physical Chemistry of Environmental Systems Vol. 6, Buffle, J. and Horvai, G., John Wiley & Sons