

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 67th BUREAU MEETING

University of Surrey, Guildford, UK: 11th August 1995

Present: Prof. K. I. Zamaraev (Chairman), Prof. A. J. Bard, Prof. G. den Boef, Prof. R. D. Brown, Prof. A. Chakravorty, Dr. D. F. Eaton, Prof. A. E. Fischli, Prof. J. Jortner, Prof. J. W. Lorimer - in part, Prof. G. Modena - in part, Prof. L. K. Sydnes - in part, Prof. J. M. Ward (Elected Members); Prof. K. Kuchitsu, Prof. K. L. Komarek - in part, Prof. M. Oki, Prof. A. Hulanicki, Prof. P. S. Steyn, Prof. H. P. Lehmann, Prof. J. G. Topliss (Division/Section Presidents); Dr. A. Hayes (Chairman, CHEMRAWN Committee) - in part

Absent: Prof. M. T. Beck, Prof. E. J. Grzywa, Prof. C. Zhang (Elected Members); Prof. J. Economy (Division President); Dr. R.-P. Martin (Chairman, Committee on Chemistry and Industry)

In Attendance: Dr. E. D. Becker (Secretary General-elect); Prof. G. Somsen (Division President-elect); Dr. M. Williams (Executive Secretary), Dr. J. H. Williams (Deputy Executive Secretary), Mrs. U. I. Inglis [Assistant Secretary (Administration)], Miss A. Troughton (former Deputy Executive Secretary)

9/95 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

The agenda drawn up by the Executive Secretary was approved.

10/95 ELECTION OF ONE EXECUTIVE COMMITTEE MEMBER

In accordance with previous practice (Minute 10/93, 64th Bureau - Lisbon), it was agreed that the existing Bureau should fill the one vacancy in the Executive Committee from the start of 1996. The President proposed Prof. Steyn as a candidate and, there being no other nominations, he was declared elected to fill the vacancy.

11/95 APPROVAL OF NEW MEMBERS OF DIVISION/SECTION COMMITTEES AND COMMISSIONS

Subject to detailed checking by the Assistant Secretary (Administration) on return to the Secretariat in Oxford, the Bureau resolved that:

- (i) the nominations in Appendix A* for new Titular and Associate Members of Division/Section Committees should be approved, the terms of service to be in accordance with Bylaw 4.103 as amended by Council at Guildford (Minute 13/95, 38th Meeting); an increase in the number of Associate Members above a total of six (amended Bylaw 4.103) was allowed until 1997 for the Analytical Chemistry Division Committee (to 7) and Medicinal Chemistry Section Committee (to 11);

* Appendix A was prepared prior to the decision of Council (Minute 13/95) to replace "Member" by "Titular Member" for all IUPAC bodies.

- (ii) the nominations in Appendix A for new Titular and Associate Members of Commissions should be approved, the terms of service to be four years (Bylaw 4.304), except that a term of two years should apply in the cases (marked !) of Prof. G. S. Wilson (AM, Commission I.3), Dr. R. Huie (AM, Commission I.4), Dr. J. W. Gramlich (rotated AM, Commission II.1: to reach twelve years limit), Prof. L. N. Gorokhov (rotated AM, Commission II.3: to reach twelve years limit), Dr. D. Tavernier (rotated AM, Commission III.1: in the first instance), Dr. E. Vrachnou-Dorier (AM, Commission III.3), Prof. E. Pelizetti (AM, Commission III.3), Dr. D. Berek and Dr. M. Reading (TMs, Commission IV.2), Dr. R. Sanderson (AM, Commission IV.2), Dr. L. H. Keith, Dr. L. K. Shpigun and Prof. J. Tyson (AMs, Commission V.1), Prof. L. Reutergårdh (TM, Commission V.2), Prof. R. Niessner (TM, Commission V.4), Prof. M. Filomena Camoes and Dr. W. Kutner (TMs, Commission V.5), Prof. E. Lindner, Dr. Renate Naumann and Dr. K. W. Pratt (AMs, Commission V.5), Prof. W. Davison (TM, Commission V.6), Prof. Rita Delgado and Dr. K. I. Popov (AMs, Commission V.6), Prof. D. G. Shaw, Prof. H. Gamsjäger, Dr. P. G. T. Fogg, Dr. Marie-Thérèse E. Cohen-Adad and Prof. V. M. Valyashko (TMs, Commission V.8), Dr. Maria Clara F. Magalhaes, Prof. K. Sawada, Dr. A. Skrzecz, Prof. W. Voigt and Prof. Yu. P. Yampol'skii (AMs, Commission V.8), Prof. J. Buffle (AM, Commission VI.1), Prof. H. Akimoto, Prof. J. Slanina and Prof. Xiaoyan Tang (AMs, Commission VI.2), Dr. A. J. Dobbs, Dr. M. Gardner, Dr. N. Jarvis, Dr. Kruger and Dr. A. Sabljic (AMs, Commission VI.3), Dr. M. Åkerblom, Prof. G. C. de Baptista, Prof. A. S. Felsot, Mr. S. Reynolds, Dr. K. Tanaka, Dr. J. B. Unsworth and Miss Sue-Sun Wong (AMs, Commission VI.4), Prof. E. Anklam, Dr. Myrna Sabino, Dr. E. Sydenham and Dr. Barbara Szteke (AMs, Commission VI.5), Dr. M. Carmen Dobarganes (AM, Commission VI.6), Dr. L. Bowers, Dr. G. Nordin, Md. H. Olesen and Dr. A. Tabor (AMs, Commission VII.C.1), Prof. I. Dési, Dr. Regine Heinrich-Ramm, Dr. E. Sabioni, Dr. P. A. Schulte, Dr. W. A. Temple and Dr. M. Waalkis (AMs, Commission VII.C.2);
- (iii) the proposals in Appendix A for re-election of Titular and Associate Members of Commissions for a further two or four years in the same category of membership (Bylaw 4.304) should be approved;
- (iv) the proposals in Appendix A for new Officers of Commissions (Bylaw 4.303) should be approved;
- (v) in order to expedite their work programmes, an increase in the number of Associate Members above that of Titular Members should be allowed (Bylaw 4.304) until 1997 for Commissions I.2 (to 11), I.3 (to 7), I.6 (to 8), II.1 (to 8), II.3 (to 7), III.1 (to 9), IV.2 (to 9), V.1 (to 6), V.3 (to 6), V.4 (to 9), V.5 (to 9), V.7 (to 9), V.8 (to 12), VI.3 (to 9), VI.4 (to 10), VI.5 (to 7), VII.C.2 (to 9);
- (vi) on the advice of Prof. Komarek and in agreement with an earlier decision [Minute 11(x)/93, 64th Bureau - Lisbon], the Inorganic Chemistry Division Committee should include Prof. R. Metselaar (term of service extended until 1997) and Prof. K. G. Heumann (1996-1997: instead of Prof. D.H. Busch as planned originally, but now elected as Division Secretary] as Titular Members;
- (vii) for exceptional reasons (to complete glossary of terms used in inorganic biochemistry and to help finish *Nomenclature of Inorganic Chemistry - Part II*) proposed by Prof. Komarek, the maximum statutory term of service should be extended until 1997 as a Titular Member for

Dr. M. W. G. de Bolster on Commission II.2;

- (viii) subject to the provision of exceptional reasons by Prof. Economy by 95.10.31, the maximum statutory terms of service should be extended until 1997 as Associate Members for Dr. H. Lange, Prof. T. Matsuda, Prof. E. F. Oleinik, and Prof. R. Qian on Commission IV.2;
- (ix) in the absence of Prof. Economy, the Executive Secretary should seek written clarification in respect of an apparent change in title for Commission IV.3 from "Functional Polymers" to "Polymers and the Environment";
- (x) for exceptional reasons (to provide continuity and experience as Secretary during a period of significant Commission membership change) proposed by Prof. Hulanicki, the maximum statutory term of service should be extended until 1997 as a Titular Member for Prof. St. Glab on Commission V.1;
- (xi) subject to the provision of exceptional reasons by Prof. Hulanicki by 95.10.31, the maximum statutory terms of service should be extended until 1997 as Associate Members for Dr. A. G. Fogg and Prof. E. Wang on Commission V.5;
- (xii) subject to the provision of exceptional reasons by Prof. Hulanicki by 95.10.31, the maximum statutory term of service as a Titular/Associate Member should be extended until 1997 as an Associate Member for Prof. E. Steinnes on Commission V.7;
- (xiii) for exceptional reasons proposed by Prof. Hulanicki, the maximum statutory terms of service should be extended until 1997 as Associate Members for Dr. Angela Danil de Namor (as leader of the macrocyclic ligands project) and Dr. H. J. M. Grünbauer (an industrial chemist involved in correlation of polymer data) on Commission V.8;
- (xiv) for exceptional reasons proposed by Prof. Steyn (key role in initiation of new project on beryllium in food, project management and publications coordination in Commission, and help towards amalgamation of Commissions VI.5 and VI.6), the maximum statutory term of service should be further extended until 1997 as a Titular Member for Dr. H. A. M. G. Vaessen on Commission VI.5;

Prof. Lehmann and Topliss were invited to propose to Prof. Fischli a candidate for consideration of appointment, by the Officers of the Union (Paris, 95.12.11) on behalf of the Bureau, as President of the Division of Chemistry and Human Health.

In view of the large number of requests for the initial term of service of new Titular and especially Associate Members of Commissions to be for two years only [see (ii) above], the Secretary General suggested that Bylaw 4.304 should be amended accordingly.

With regard to the two zero-sum Titular Memberships of the existing Applied Chemistry Division, allocated for a Chairman and Secretary of the Commission on Biotechnology (Minute 3.5/95, 66th Bureau - Guildford), Prof. Steyn and Miyamoto were invited to suggest candidates by 95.10.31 for consideration by Prof. Fischli. In addition, the Treasurer had promised to provide funding (to an overall total of USD 5 000) to enable two additional persons (not to be called TMs) to be actively involved in the forthcoming discussions to

define an acceptable programme of projects for the Commission or for it to be dissolved.

12/95 DATES AND PLACE OF NEXT MEETING

No invitations had been received to host the 1996 Bureau meeting, and the Executive Secretary was asked to investigate whether it could be held in UK. The dates were agreed as Saturday-Sunday, 7th-8th September, with 5th and 6th September to be set aside for any premeetings (e.g., IUPAC Officers, Committee on Affiliate Membership, Pool Project Allocations, Environmental Chemistry Matters, Vice-Presidential Interviews with Division Presidents).

13/95 ANY OTHER BUSINESS

13.1/95 Filling Vacancies Amongst Officers of the Union and in Bureau

- (i) In view of the insistence in Council at Guildford of observing the statutory requirement for a written and secret ballot to fill the vacancies for IUPAC Officers, although there was only a single candidate for each position, Prof. Brown suggested that Bylaw 2.222 (line 2, second paragraph : *Statutes and Bylaws* precirculated to NAOs on 95.07.11) should be changed to read:

"defined by the Statutes, shall, save in the case that the number of nominations is no more than the number of vacancies - when the candidates shall be declared elected unopposed -, be elected at a regular meeting of the"

- (ii) In order to avoid the prolonged voting mechanism (Bylaw 2.222) in Council at Guildford, when there were a large number of nominations to fill a few vacancies for Elected Members of the Bureau, Prof. Chakravorty preferred the Bureau to make recommendations in future for filling the vacancies [cf. Minute 4.2(ii)/95, 66th Bureau - Guildford]. The Secretary General suggested that Prof. Chakravorty should press the Bureau to act accordingly, if a similar situation arose in future. It was agreed to discuss the matter further at the next meeting of the Bureau.

13.2/95 Affiliate Membership Programme

- (i) With the support of Prof. Fischli, Prof. den Boef proposed and the Bureau agreed that the existing AMP Review Group should be combined with the Committee on Affiliate Membership. Noting that the Treasurer did not wish to be involved directly, the membership of CAM was reconstituted for 1996-7: Prof. J. W. Lorimer (Chairman), Dr. J. H. Williams (Secretary), Prof. A. Chakravorty, Dr. D. F. Eaton. Its task was to consider the possible replacement of AMP as such with elements of priority as identified by the Bureau and Council at Guildford, including a critical evaluation of the overheads and Secretariat Staff costs. The work should be started by correspondence, and NAOs urged to recruit more Affiliates.
- (ii) The Bureau confirmed that the IUPAC component, already agreed by the Executive Committee (Minute 3.5/95, 121st Meeting - Reading) for the Affiliate subscription in 1996-7 of USD 16.00 should now be notified

to the National Affiliate Membership Secretaries.

- (iii) The President asked the Executive Secretary to provide addresses for all Members of IUPAC bodies retiring at the end of 1995, so that he might write and thank them for their services to the Union and invite them to retain contact with IUPAC by becoming an Affiliate, where they did not already hold such status.

* * *

CHAIRMAN:

Albert Litch

DATE:

Sept. 8th 1996

APPENDIX A

- SP Special permission required for extension, because eight years or more already served in the specific category of membership AND/OR a total of more than twelve years
- x Confirmation awaited of agreement to serve

PHYSICAL CHEMISTRY DIVISION COMMITTEE (I)

Members

1989 - 1997	Prof. G. Somsen President
1987 - 1997	Prof. K. Kuchitsu Past-President
1994 - 1997	Prof. T. Cvitas ^v Vice-President
1994 - 1999	Dr. Gerd M. Olofsson Secretary
1996 - 1999	P. W. Atkins
1996 - 1999	Dr. P. A. G. O'Hare
1996 - 1999	Prof. G. S. Wilson

Associate Members

1996 - 1997	Prof. M. A. El-Sayed
1996 - 1997	Prof. J. A. Kerr
1996 - 1997	Prof. I. M. Mills
1996 - 1997	Prof. K. S. W. Sing

COMMISSION ON PHYSICOCHEMICAL SYMBOLS, TERMINOLOGY
AND UNITS (I.1)

Members

1989 - 1997 Prof. H. L. Strauss

Chairman

1987 - 1997 Prof. M. Quack

Secretary

1991 - 1999 Prof. B. Holmström

1989 - 1997 Prof. I. V. Khudyakov

1991 - 1999 Dr. F. Pavese

1994 - 1997 Dr. M. Takami

Associate Members

1994 - 1997 Prof. T. Cvitas

1994 - 1997 Mr. A. J. Thor

COMMISSION ON THERMODYNAMICS (I.2)

Members

1989 - 1997	Prof. W. A. Wakeham Chairman
1989 - 1997	Prof. R. D. Weir Secretary
1994 - 1997	Dr. T. W. De Loos
1989 - 1997	Prof. G. Della Gatta
1994 - 1997	Dr. J. H. Dymond
1996 - 1999	Prof. J.-P. E. Grolier

Associate Members

1994 - 1997	Prof. J. C. Ahluwalia
1994 - 1997	Prof. G. Barone
1996 - 1999	Prof. U. K. Deiters
1996 - 1999	Prof. V. A. Durov
1996 - 1999	Dr. A. R. H. Goodwin
1991 - 1999	Prof. T. Letcher
1994 - 1997	Prof. T. Matsuo
1996 - 1999	Dr. K. Murphy
1989 - 1997	Prof. C. A. Nieto de Castro
1994 - 1997	Prof. M. A. V. Ribeiro da Silva
1994 - 1997	Prof. E. Vogel

COMMISSION ON ELECTROCHEMISTRY (I.3)

Members

1989 - 1997	Prof. W. Plieth	
	Chairman	
1989 - 1997	Dr. Margaretha Sluyters-Rehbach	
	Secretary	
1991 - 1997	Dr. C. P. Andrieux	
1996 - 1999	Prof. C. M. A. Brett	
1996 - 1999	Prof. D. J. Schiffrin	
1994 - 1997	Prof. T. Watanabe	

Associate Members

1994 - 1997	Prof. F. M. Hawkrige	
1994 - 1997	Prof. V. E. Kazarinov	x
1996 - 1999	Samec	x (Czech Rep.)
1996 - 1999	Prof. H. Siegenthaler	x
1996 - 1999	Dr. K. Uosaki	x
1996 - 1999	Dr. de Vogelaere	x (FRG)
1996 - 1997	Prof. G. S. Wilson	!

COMMISSION ON CHEMICAL KINETICS (I.4)

Members

1991 - 1997 Dr. J. T. Herron

Chairman

1989 - 1997 Prof. J. A. Kerr

Secretary

1991 - 1997 Prof. D. L. Baulch

1994 - 1997 Prof. J. V. R. Heberlein

1994 - 1997 Dr. M. J. Rossi

1994 - 1997 Prof. J. Troe

Associate Members

1991 - 1997 Prof. V. V. Azatyan

1996 - 1997 Dr. R. E. Huie

!

1989 - 1997 Prof. P. J. Van Tiggelen

COMMISSION ON MOLECULAR STRUCTURE
AND SPECTROSCOPY (I.5)

Members

1994 - 1997	Prof. J. E. Bertie Chairman
1991 - 1997	Dr. Brenda P. Winnewisser Vice-Chairman
1994 - 1997	Prof. P. Klæboe Secretary
1994 - 1997	Prof. A. M. Heyns
1994 - 1997	Prof. R. Janoschek
1994 - 1997	Prof. S. Tsuchiya

Associate Members

1994 - 1997	Mrs. Sonia Maria Cabral de Menezes
1994 - 1997	Prof. E. Hirota
1996 - 1999	Prof. J. Kowalewski
1991 - 1999	Prof. A. Oskam
1989 - 1997	Prof. C.-H. Zhang

COMMISSION ON COLLOID AND SURFACE CHEMISTRY
INCLUDING CATALYSIS (I.6)

Members

1987 - 1997	Prof. J. Ralston
	Chairman
1991 - 1997	Dr. Anne-Marie Cazabat
	Secretary
1989 - 1997	Prof. B. Delmon
1994 - 1997	Dr. L. K. Koopal
1991 - 1997	Prof. M. Misono
1991 - 1997	Prof. K. K. Unger

Associate Members

1994 - 1997	Prof. Silvia Ardizzone
1991 - 1997	Prof. I. Dékány
1994 - 1997	Dr. N. Furlong
1991 - 1997	Prof. T. Kunitake
1991 - 1997	Dr. J. A. Pajares
1996 - 1999	Prof. V. N. Parmon
1994 - 1997	Prof. J. F. Roth
1994 - 1997	Prof. B. Vincent

COMMISSION ON BIOPHYSICAL CHEMISTRY (I.7) *
(Established 1996)

Members

1996 - 1997 Prof. H. Hauser

Chairman

1996 - 1997 Dr. R. N. Goldberg

Secretary

1996 - 1997 Prof. K. Wüthrich

Associate Members

1996 - 1997 Prof. M. Caffrey

1996 - 1997 Dr. A. Cornish-Bowden

1996 - 1997 Prof. D. Eisenberg

1996 - 1997 Prof. W. van Gunsteren

1996 - 1997 Prof. W. Saenger

1996 - 1997 Prof. A. Wada

* Membership and terms of service approved by Council at Guildford

INORGANIC CHEMISTRY DIVISION COMMITTEE (II)

Members

1985 - 1997	Prof. G. J. Leigh
	President
1996 - 1997	Prof. J. Corish
	Vice-President
1991 - 1999	Prof. D. H. Busch
	Secretary
1996 - 1997	Prof. K. G. Heumann
1991 - 1997	Prof. R. Metselaar

Associate Members

1996 - 1997	Prof. P. De Bièvre
1996 - 1997	Prof. K. L. Komarek
1996 - 1997	Dr. J. R. Moody
1996 - 1997	Dr. G. M. Rosenblatt
1996 - 1997	Prof. A. M. Sargeson
1996 - 1997	Prof. L. Schultz

COMMISSION ON ATOMIC WEIGHTS AND ISOTOPIC
ABUNDANCES (II.1)

Members

1994 - 1997	Prof. L. Schultz
	Chairman
1996 - 1999	Dr. R. D. Vocke
	Secretary
1996 - 1999	Prof. M. Ebihara
1989 - 1997	Prof. H. R. Krouse
1996 - 1999	Dr. R. D. Loss
1994 - 1997	Dr. G. I. Ramendik
1996 - 1999	Dr. P. D. P. Taylor

Associate Members

1994 - 1997	Dr. J. K. Böhlke	
1989 - 1997	Dr. H.-J. Dietze	
1996 - 1999	Dr. T. P. Ding	
1996 - 1997	Dr. J. W. Gramlich	!
1996 - 1999	Prof. A. N. Halliday	
1996 - 1999	Prof. H.-J. Kluge	
1994 - 1997	Prof. D. E. Richardson	
1996 - 1999	Dr. M. Stiévenard	

COMMISSION ON NOMENCLATURE OF
INORGANIC CHEMISTRY (II.2)

Members

1987 - 1997	Prof. A. M. Sargeson	
	Chairman	
1994 - 1997	Prof. W. H. Koppenol	
	Secretary	
1987 - 1997	Dr. M. W. G. de Bolster	SP
1996 - 1999	Prof. A. Dress	
1994 - 1997	Prof. H. D. Kaesz	
1991 - 1999	Prof. A. Salzer	
1996 - 1999	Dr. C. Stewart	

Associate Members

1994 - 1997	Prof. G. Bergerhoff	
1991 - 1999	Dr. J. B. Casey	
1994 - 1997	Prof. J. de Oliveira Cabral	
1994 - 1997	Prof. P. Royo Garcia	
1996 - 1999	Dr. Y. Yamamoto	

COMMISSION ON HIGH TEMPERATURE MATERIALS AND
SOLID STATE CHEMISTRY (II.3)
(Established in its present form 1996)

Members

1991 - 1997 Dr. G. M. Rosenblatt

Chairman

1994 - 1999 Prof. D. Kolar

Secretary

1994 - 1997 Prof. H.-P. Boehm

1996 - 1999 Prof. Meral Kizilyalli

1994 - 1997 Prof. D. Kolar

1994 - 1997 Prof. M. H. Lewis

Associate Members

1994 - 1997 Prof. G. Balducci

1994 - 1997 Prof. J.-F. Baumard

1989 - 1997 Dr. C. B. J. Chatillon

1996 - 1997 Prof. L. N. Gorokhov !

1994 - 1997 Prof. K. Koumoto

1994 - 1997 Prof. K. E. Spear

1989 - 1997 Prof. G. F. Voronin

The names of two additional Titular Members will be advised later.
The delay in appointment is due to recent resignations and need to
contact appropriate replacements.

COMMISSION ON ISOTOPE SPECIFIC MEASUREMENTS
AS TRACEABLE REFERENCES (II.4)
(Established in its present form 1996)

Members

1996 - 1999 Dr. K. Mayer

 Secretary

1996 - 1999 Dr. K. Okamoto

Associate Members

1989 - 1997 Dr. J. W. Gramlich

1996 - 1999 Dr. Andrée Lamberty

1996 - 1999 Dr. P. D. P. Taylor

1996 - 1999 Dr. R. Vocke

ORGANIC CHEMISTRY DIVISION COMMITTEE (III)

Members

1994 - 1997	Prof. G. Scorrano
	President
1991 - 1997	Prof. U. K. Pandit
	Vice-President
1991 - 1997	Prof. M. Oki
	Past-President
1989 - 1997	Prof. J.-C. Richer
	Secretary
1996 - 1999	Prof. J. J. E. Humeres Allende
1994 - 1997	Prof. P. Müller
1996 - 1999	Prof. T. Norin
1994 - 1997	Prof. P. J. Stang
1994 - 1997	Prof. E. Winterfeldt

Associate Members

1996 - 1997	Prof. D. St. C. Black
1996 - 1997	Prof. J. Barluenga
1996 - 1997	V. T. Ivanov
1996 - 1997	M. Makosza
1996 - 1997	Prof. Andrée Marquet
1996 - 1997	Prof. G. Savelli

COMMISSION ON NOMENCLATURE OF
ORGANIC CHEMISTRY (III.1)

Members

1989 - 1997	Prof. H. A. Favre
	Chairman
1991 - 1999	Prof. J. G. Traynham
	Secretary
1996 - 1999	Mr. J. Blackwood
1996 - 1999	Prof. F. Cozzi
1994 - 1997	Prof. B. J. Herold
1994 - 1997	Dr. M. V. Kisakürek
1991 - 1999	Dr. J. L. Wisniewski

Associate Members

1989 - 1997	Prof. R. J.-R. Hwu	
1989 - 1997	Dr. Maria A. C. Kaplan	
1991 - 1999	Prof. A. J. Lawson	
1989 - 1997	Dr. W. Liebscher	
1989 - 1997	Prof. M. M. Mikolajczyk	
1994 - 1997	Prof. J. Nyitrai	
1994 - 1997	Prof. H. A. Smith, Jr.	
1991 - 1999	Prof. J. H. Stocker	
1996 - 1997	Dr. D. Tavernier	!

COMMISSION ON PHYSICAL ORGANIC
CHEMISTRY (III.2)

Members

1994 - 1997 Prof. T. T. Tidwell

Chairman

1996 - 1999 Prof. E. Baciocchi

Secretary

1991 - 1999 Prof. V. I. Minkin

1994 - 1997 Prof. C. L. Perrin

1991 - 1999 Prof. Z. Rappoport

1989 - 1997 Prof. J. Shorter

1991 - 1997 Prof. Y. Takeuchi

Associate Members

1996 - 1999 Prof. J.-L. Abboud

1996 - 1999 Prof. S. S. Kim

1994 - 1997 Prof. A. J. Kirby

1991 - 1997 Dr. D. J. Raber

1994 - 1997 Dr. Marie-Françoise Ruasse

1994 - 1997 Prof. H.-U. Siehl

1989 - 1997 Dr. J. R. Zdysiewicz

COMMISSION ON PHOTOCHEMISTRY (III.3)

Members

1996 - 1999 Prof. J. R. Bolton

Chairman

1989 - 1997 Dr. R. Bonneau

Secretary

1991 - 1997 Dr. J. D. Coyle

1994 - 1997 Prof. F. D. Lewis

1994 - 1997 Prof. Isao Saito

1991 - 1999 Prof. J. Wirz

Associate Members

1996 - 1999 Dr. A. U. Acuña Fernandez

1996 - 1999 Prof. H. Boltas-Laurent

1996 - 1997 Dr. E. Vrachnou-Dorier !

1994 - 1997 Prof. V. Kuzmin

1991 - 1997 Prof. J. Mattay

1996 - 1997 Prof. E. Pelizetti !

MACROMOLECULAR DIVISION COMMITTEE (IV)

Members

1987 - 1997	Prof. J. Economy
	President
1996 - 1999	Prof. R. G. Gilbert
	Vice-President
1989 - 1997	Prof. J. E. Guillet
	Secretary
1996 - 1999	Prof. A. Abe
1985 - 1997	Prof. A. D. Jenkins
1996 - 1999	Prof. Jung-Il Jin
1994 - 1997	Prof. P. Kratochvíl

COMMISSION ON MACROMOLECULAR NOMENCLATURE (IV.1)

Members

1989 - 1997 Prof. R. F. T. Stepto

Chairman

1987 - 1997 Dr. W. J. Work

Secretary

1996 - 1999 Prof. M. Baron

1989 - 1997 Prof. K. Hatada

1991 - 1999 Dr. J. Kahovec

1994 - 1997 Prof. E. Maréchal

1991 - 1999 Dr. W. V. Metanowski

Associate Members

1996 - 1999 Dr. M. Hess

1996 - 1999 Prof. K. Horie

1994 - 1997 Prof. Jung-Il Jin

1996 - 1999 Prof. O. Kramer

1996 - 1999 Prof. P. Kubisa

1994 - 1997 Prof. S. Penczek

1996 - 1999 Prof. V. P. Shibaev

COMMISSION ON POLYMER CHARACTERIZATION
AND PROPERTIES (IV.2)

Members

1989 - 1997	Dr. D. R. Moore	
	Chairman	
1991 - 1997	Dr. J. Stejskal	
	Secretary	
1996 - 1997	Dr. D. Berek	!
1991 - 1999	Prof. R. G. Gilbert	
1994 - 1997	Dr. H. M. Laun	
1996 - 1997	Dr. M. Reading	!
1991 - 1997	Prof. S. B. Ross-Murphy	

Associate Members

1989 - 1997	Prof. N. F. Bakeev	
1987 - 1999	Dr. H. Lange	SP
1987 - 1999	Prof. T. Masuda	SP
1987 - 1999	Prof. E. F. Oleinik	SP
1991 - 1999	Prof. V. Percec	
1985 - 1997	Prof. R. Qian	SP
1996 - 1997	Dr. R. Sanderson	!
1989 - 1997	Dr. G. Schorsch	
1996 - 1999	Dr. R. A. Shick	

COMMISSION ON POLYMERS AND THE ENVIRONMENT (IV.3)
(Established in its present form 1996)

Members

Chairman

1994 - 1997 Prof. Ann-Christine Albertsson

1994 - 1997 Prof. S. Huang

ANALYTICAL CHEMISTRY DIVISION COMMITTEE (V)

Members

1991 - 1997	Prof. M. Grasserbauer President
1987 - 1997	Prof. A. Hulanicki Past-President
1996 - 1999	Prof. F. Ingman Secretary
1994 - 1997	Dr. L. A. Currie
1994 - 1997	Prof. K. M. Kadish
1996 - 1999	Dr. M. Salomon
1996 - 1999	Prof. Klára Tóth
1994 - 1997	Prof. R. E. Van Grieken

Associate Members

1996 - 1997	Prof. F. Adams
1996 - 1997	Prof. H. Akaiwa
1996 - 1997	Prof. R. A. Durst
1996 - 1997	Prof. J. Inczédy
1996 - 1997	Prof. R. Niessner
1996 - 1997	Prof. A. Sanz-Medel
1996 - 1997	Prof. P. Uden

COMMISSION ON GENERAL ASPECTS OF
ANALYTICAL CHEMISTRY (V.1)

Members

1994 - 1997	Prof. J. F. van Staden	
	Chairman	
1985 - 1997	Prof. St. Glab	SP
	Secretary	
1994 - 1997	Prof. K. Danzer	
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1996 - 1997	Dr. L. K. Shpigun	!
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1996 - 1999	Dr. J. Hinsman	x
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1994 - 1997	Prof. P. A. Siskos	

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1994 - 1997 Prof. W. Lukosz

1994 - 1997 Dr. G. C. Turk

1994 - 1997 Dr. J. Wilkinson

COMMISSION ON ELECTROANALYTICAL CHEMISTRY (V.5)

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1989 - 1997	Prof. R. P. Buck	
	Chairman	
1991 - 1997	Prof. Sandra Rondinini Cavallari	
	Secretary	
1996 - 1997	Prof. M. Filomena Camoes	!
1996 - 1997	Dr. W. Kutner	!
1989 - 1997	Prof. K. Stulík	
1991 - 1997	Prof. Y. Umezawa	

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1987 - 1997	Dr. A. G. Fogg	SP
1994 - 1997	Prof. L. Gorton	
1991 - 1997	Prof. S. Kihara	
1996 - 1997	Prof. E. Lindner	!
1996 - 1997	Dr. Renate Naumann	!
1996 - 1997	Dr. K. W. Pratt	!
1987 - 1997	Prof. E. Wang	SP
1991 - 1997	Prof. J. Wang	

COMMISSION ON EQUILIBRIUM DATA (V.6)

Members

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	Chairman	
1989 - 1997	Dr. H. K. J. Powell	
	Secretary	
1991 - 1997	Dr. R. H. Byrne	
1996 - 1997	Prof. W. Davison	!
1996 - 1999	Prof. S.-I. Ishiguro	
1991 - 1997	Prof. L. H. J. Lajunen	
1994 - 1997	Prof. S. Sjöberg	

Associate Members

1996 - 1999	Dr. Françoise Arnaud-Neu	x
1996 - 1997	Prof. Rita Delgado	!
1989 - 1997	Dr. S. H. Laurie	
1996 - 1999	Dr. P. M. May	
1996 - 1997	Dr. K. I. Popov	!
1994 - 1997	Prof. M. Tabata	
1994 - 1997	Dr. M. Zhang	

COMMISSION ON RADIOCHEMISTRY AND NUCLEAR
TECHNIQUES (V.7)

Members

1991 - 1997	Prof. P. J. Karol	(V)
	Chairman	
1996 - 1999	Dr. V. P. Kolotov	(V)
	Secretary	
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1994 - 1997	Mr. C. Madic	(V)
1994 - 1997	Prof. H. Nakahara	(V)

Associate Members

1994 - 1997	Prof. J. R. Barrio	(VII)	
1994 - 1997	Prof. P. Benes	(V)	
1996 - 1999	Prof. Z. F. Chai	()	
1994 - 1997	Dr. R. G. Downing	(V)	
1996 - 1999	Dr. H. Gäggeler	()	x
1991 - 1997	Prof. J. V. Kratz	(V)	
1996 - 1997	Prof. E. Steinnes *	()	SP
1994 - 1997	Dr. P. Vitorge	(V)	
1995 - 1997	Prof. I. Zvára	(V)	

* 12 years completed in 1983

COMMISSION ON SOLUBILITY DATA (V.8)

Members

1996 - 1997	Prof. D. G. Shaw	!
	Chairman	
1996 - 1997	Prof. H. Gamsjäger	!
	Secretary	
1996 - 1997	Dr. P. G. T. Fogg	!
1996 - 1997	Dr. Marie-Thérèse E. Cohen-Adad	!
1996 - 1997	Prof. V. M. Valyashko	!

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1987 - 1997	Dr. Angela F. Danil de Namor	SP
1994 - 1997	Dr. C. Guminski	
1987 - 1997	Dr. H. J. M. Gruenbauer	SP
1991 - 1997	Prof. Sonja Krause	
1996 - 1997	Dr. Maria Clara F. Magalhaes	!
1994 - 1997	Prof. A. E. Mather	
1996 - 1997	Prof. K. Sawada	!
1994 - 1997	Dr. Pirketta Scharlin	
1996 - 1997	Dr. A. Skrzecz	!
1991 - 1997	Prof. J. Vanderdeelen	
1996 - 1997	Prof. W. Voigt	!
1996 - 1997	Prof. Yu. P. Yampol'skii	!

CHEMISTRY AND THE ENVIRONMENT DIVISION COMMITTEE (VI) *
(Established in its present form 1996)

Members

1989 - 1997 Prof. J. Miyamoto

President

1994 - 1997 Prof. W. Klein

Vice-President

1994 - 1997 Dr. T. R. Roberts

Secretary

1996 - 1997 Prof. J. Buffle

1994 - 1997 Dr. A. Dieffenbacher

1994 - 1997 Dr. A. E. Pohland

1987 - 1997 Prof. P. S. Steyn

(Past-President, Applied Chemistry Division)

Associate Members

1996 - 1997 Dr. R. Greenhalgh

1996 - 1997 Prof. J. Slanina

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Guildford

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(Established in its present form 1996)

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1994 - 1997 Prof. G. Horvai

Secretary

1994 - 1997 Prof. N. Senesi

1996 - 1997 Prof. D. Turner

Associate Member

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!

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(Established in its present form 1996)

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1991 - 1997	Dr. R. H. Brown
	Secretary
1991 - 1997	Prof. N. M. Bazhin
1996 - 1997	Prof. L. Klasinc
1994 - 1997	Dr. S. E. Schwartz
1996 - 1997	Dr. Tania M. Tavares

Associate Members

1996 - 1997	Prof. H. Akimoto	!
1989 - 1997	Mr. K. H. Eickel	
1994 - 1997	Dr. H.-J. Grosse	
1991 - 1997	Prof. L. F. Phillips	
1996 - 1997	Prof. J. Slanina	!
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1989 - 1997	Dr. W. J. G. M. Peijnenburg
	Secretary
1994 - 1997	Dr. A. Carter
1996 - 1997	Prof. Yu Wang

Associate Members

1996 - 1997	Dr. A. J. Dobbs	!
1996 - 1997	Dr. M. Gardner	!
1991 - 1997	Prof. V. D. Grebenyuk	
1996 - 1997	Dr. N. Jarvis	!
1994 - 1997	Dr. W. Kördel	
1996 - 1997	Dr. Kruger	!
1994 - 1997	Dr. Jutta Lintelmann	
1996 - 1997	Dr. A. Sabljic	!
1994 - 1997	Dr. R. J. Wright	

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(Established in its present form 1996)

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1989 - 1997	Dr. P. T. Holland
	Secretary
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1994 - 1997	Dr. A.-W. Klein
1996 - 1997	Dr. H. A. Kuiper
1991 - 1997	Dr. R. D. Wauchope

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1996 - 1997	Prof. G. C. de Baptista	!
1996 - 1997	Prof. A. S. Felsot	!
1994 - 1997	Dr. J. A. Guth	
1996 - 1997	Mr. S. Reynolds	!
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1991 - 1997	Dr. B. W. Zeeh	

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	Vice-Chairman	
1989 - 1997	Dr. J. M. Fremy	
	Secretary	
1994 - 1997	Dr. Marina Miraglia	
1996 - 1997	Dr. S. W. Page	
1985 - 1997	Dr. H. A. M. G. Vaessen	SP

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1991 - 1997	Dr. A. K. D. Liem	
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1994 - 1997 Dr. F. Mordret

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1991 - 1997 Prof. Gunhild Holmer

1994 - 1997 Mr. M. Pike

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Associate Members

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(Established in 1996)

Members *

(to be appointed)

Division President

1996 - 1997

Dr. A. Kallner

Clinical Chemistry Section President

1996 - 1999

Dr. N. Koga

Medicinal Chemistry Section President

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Guildford

CLINICAL CHEMISTRY SECTION COMMITTEE (VII.C)
(Established in its present form 1996)

Members *

1991 - 1997	Dr. A. Kallner President
1996 - 1997	Prof. R. F. M. Herber Vice-President
1989 - 1997	Mr. T. D. Geary Secretary
1987 - 1997	Prof. H. P. Lehmann (Past-President, Clinical Chemistry Division)

Associate Members

1996 - 1997	Prof. J. R. Barrio
1996 - 1997	Prof. K. Netter
1996 - 1997	Mr. J. C. Rigg
1996 - 1997	Dr. H. G. J. Worth

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(Established in its present form 1996)

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	Chairman
1987 - 1997	Dr. J. G. Hill
	Secretary
1991 - 1997	Dr. X. Fuentes-Arderiu
1996 - 1997	Dr. C. T. McDonald
1994 - 1997	Prof. P. Soares de Araujo
1989 - 1997	Dr. P. L. Storrington

Associate Members

1996 - 1997	Dr. L. Bowers	!
1989 - 1997	Prof. S. J. Bryant	
1996 - 1997	Dr. G. Nordin	!
1996 - 1997	Md. H. Olesen	!
1996 - 1997	Dr. A. Tabor	!

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COMMISSION ON TOXICOLOGY (VII.C.2)
(Established in its present form 1996)

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1991 - 1997	Dr. B. Heinzow
	Secretary
1991 - 1997	Dr. Jytte Molin Christensen
1991 - 1997	Dr. J. H. Duffus
1989 - 1997	Prof. M. Jakubowski
1991 - 1997	Prof. D. M. Templeton

Associate Members

1996 - 1997	Prof. I. Dési	!
1996 - 1997	Dr. Regine Heinrich-Ramm	!
1989 - 1997	Dr. Andrée Lamberty	
1991 - 1997	Mr. D. Rutherford	
1996 - 1997	Dr. E. Sabioni	!
1996 - 1997	Dr. P. A. Schulte	!
1996 - 1997	Dr. W. A. Temple	!
1991 - 1997	Prof. Marie Vahter	
1996 - 1997	Dr. M. Waalkis	!

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IN THE CLINICAL LABORATORY (VII.C.3)
(Established in 1996)

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Secretary

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MEDICINAL CHEMISTRY SECTION COMMITTEE (VII.M)
(Established in its present form 1996)

Members *

1987 - 1999	Dr. N. Koga President
1991 - 1999	Prof. C. R. Ganellin Vice-President
1996 - 1999	Dr. J.-C. Muller Secretary
1991 - 1997	Prof. J. G. Topliss (Past-President, Medicinal Chemistry Section)

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1996 - 1997	Prof. P. R. Andrews
1996 - 1997	Prof. W.-D. Busse
1996 - 1997	Prof. Z.-L. Chen
1996 - 1997	Prof. W. A. Denny
1996 - 1997	Dr. N. J. De Souza
1996 - 1997	Dr. W.-J. Kim
1996 - 1997	Dr. T. Kobayashi
1996 - 1997	Prof. A. Monge Vega
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