

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 55th MEETING OF BUREAU

BOSTON UNIVERSITY, USA: 29th AUGUST 1987

Present: Prof. V. A. Koptug (Chairman), Prof. A. J. Arvía, Prof. M. T. Beck, Prof. A. Björkman, Prof. A. D. Campbell, Prof. W.-Y. Huang, Prof. S. Itô, Prof. Y. P. Jeannin, Prof. G. Modena, Prof. C. N. R. Rao, Prof. N. Sheppard, Prof. I. Wadsö, Prof. T. S. West (Elected Members); Prof. K. I. Zamaraev, Prof. E. Fluck, Prof. Sukh Dev, Prof. T. Saegusa, Prof. G. H. Nancollas, Dr. P. C. Kearney, Dr. S. S. Brown (Division Presidents)

Absent: Dr. Mary L. Good, Prof. J. Jortner, Prof. H. A. Staab

In Attendance: Prof. Kazuo Saito (Past President, Inorganic Chemistry Division), Dr. M. Williams (Executive Secretary), Miss A. Troughton (Deputy Executive Secretary)

17/87 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Koptug congratulated Prof. Jeannin on his election as Vice-President of the Union and Profs. Björkman and West on their re-election for a second term of office as Treasurer and Secretary General, respectively. Also, he welcomed three of the five new Elected Members to their first Bureau meeting and three new Division Presidents.

The Agenda drawn up by the Executive Secretary was approved.

18/87 ELECTION OF TWO EXECUTIVE COMMITTEE MEMBERS

The President reminded the Bureau that, in accordance with Statute 8.2, Dr. Good would continue as an Elected Member of the Executive Committee until 1989. There were two vacancies arising from the completion of period of service on the Bureau of Dr. W. G. Schneider and Prof. A. A. Vlček.

Profs. Itô and Sheppard, both former Division Presidents and well experienced in IUPAC affairs, were proposed as candidates by Prof. Koptug and supported by Prof. Jeannin. Prof. Campbell was nominated by Prof. Sheppard. All three persons agreed to stand, and in a written and secret ballot:

Prof. S. Itô	18
Prof. N. Sheppard	15
Prof. A. D. Campbell	7

(total voting 20, simple majority 11)

Profs. Itô and Sheppard were declared elected to fill the vacancies.

19/87 APPROVAL OF NEW MEMBERS OF DIVISION COMMITTEES AND COMMISSIONS

Noting the recommendation of the Treasurer, endorsed by the then President of IUPAC (Minute 4.1/87, Division Presidents - Boston), not to consider any general increase in the level of Titular Membership of Commissions/Membership of Division Committees over that approved at Lyon, pending the outcome of the

current discussions on possible restructuring of the Union, the Bureau resolved that:

- (i) the nominations in Appendix A for new Members of Division Committees should be approved, the terms of service to be four years (Bylaw 4.103);
- (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);
- (iii) the proposals in Appendix A for re-election of Titular and Associate Members to 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 1989 for Commissions I.1 (to 7), I.2 (to 12), II.1 (to 8), II.3 (to 12), III.1 (to 12), IV.1 (to 9), IV.2 (to 12), V.1 (to 9), V.2 (to 12), V.3 (to 8), V.4 (to 8), V.5 (to 12), V.6 (to 10), V.7 (to 9), V.8 (to 12), VI.1 (to 9), VI.3 (to 12), VI.4 (to 8), VI.5 (to 11), VII.3 (to 6), VII.4 (to 10);
- (vi) the Physical Chemistry Division Committee should be limited to eight Members (no extension in term of service allowed for Dr. D. R. Lide, Jr.);
- (vii) for exceptional reasons proposed by Prof. Zamaraev, the maximum statutory terms of service should be extended until 1989 as a Titular Member for Dr. J. F. J. Todd on Commission I.5 (to complete important recommendations for mass spectroscopy) and as Associate Members for Dr. E. R. Cohen on Commission I.1 (liaison with ICSU-CODATA) and Prof. J. C. G. Calado on Commission I.2 (liaison with Brazil);
- (viii) for exceptional reasons proposed by Prof. Fluck, the maximum total statutory period of service on Commission II.1 for Dr. I. L. Barnes should be extended until 1989 (to complete important review of isotopic compositions);
- (ix) for exceptional reasons proposed by Prof. Sukh Dev, the maximum total statutory terms of service on Commission III.1 should be extended until 1989 as Titular Members for Prof. J. C. Richer (revision of Blue Book) and Dr. W. H. Powell (continuity of Officers) and as an Associate Member for Prof. D. Hellwinkel (review of new areas not previously codified): but a decision was deferred on extending the Titular Membership of Prof. K. Tokumaru on Commission III.3, pending a satisfactory explanation;
- (x) for exceptional reasons proposed by Prof. Saegusa, the maximum statutory terms of service on Commission IV.1 should be extended until 1989 as Titular Members for Prof. G. Allegra (to complete terms and definitions for crystalline polymers: second extension) and Prof. I. Mita (to complete definitions on polymerization reactions);
- (xi) for exceptional reasons proposed by Prof. Saegusa, nine Titular Members should be allowed on Commission IV.2 until 1989 (to cater for the Chairmen of all seven Working Parties);

- (xii) for exceptional reasons proposed by Prof. Nancollas, Prof. E. D. Goldberg should be allowed to revert to an Associate Member on Commission V.6 until 1989 and Prof. Y.-F. Liu to become a Titular Member on Commission V.7 (to initiate work on metal dielates in radio-labelling monoclonal antibodies);
- (xiii) for exeptional reasons proposed by Prof. Nancollas, the maximum statutory term of service on Commission V.8 as an Associate Member for Prof. F. W. Getzen should be extended until 1989 (preparation of final copy of two volumes in SDS);
- (xiv) for exceptional reasons proposed by Dr. Kearney, the maximum statutory term of service on Commission VI.1 as an Associate Member for Dr. M. J.-J. Castegnaro should be extended until 1989 (liaison with WHO-IARC);
- (xv) for exceptional reasons proposed by Dr. Kearney, the Associate Memberships of Drs. S. Narang, L. Nyeste, and S. Ramachandran on Commission VI.2 should be terminated, unless they responded positively within one month of the Division President writing to them for confirmation about their active future participation;
- (xvi) for exceptional reasons proposed by Dr. Brown, the maximum statutory period of service of Prof. B. Strauss should be extended until 1988 and Dr. A. Deom should be allowed to serve as an Associate Member until 1988 on Commission VII.3 (to help complete existing projects before dissolution at end of 1988);
- (xvii) despite the exceptional reasons proposed by Dr. Brown, Dr. M. Stoeppler should only be allowed to serve as an Associate Member on Commission VII.4 until 1989 (to complete write up of Selenium Working Party project).

20/87 CONFIRMATION OF DATE AND PLACE OF NEXT MEETING

The Bureau confirmed the following schedule for its meeting in Oxford (Minute 15/87, 54th Bureau - Boston):

88.09.16 (all day)	]	Vice-Presidential interviews with Division
88.09.17 (morning)	]	Presidents for biennial critical assessment
		of IUPAC projects and programmes
88.09.17 (afternoon)	]	- Division Presidents
88.09.18-19 (all day)	]	- Bureau

It was decided to devote the morning of 88.09.18 to a follow-up session of the discussions in Boston (Minute 2/87, 53rd Bureau; Minute 7.8/87, 54th Bureau) on overall structure and functioning of IUPAC Commissions and Committees.

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CHAIRMAN: V. Kaptayug

DATE: 18 09 88

APPENDIX A (see footnote  $\phi$ )

I PHYSICAL CHEMISTRY DIVISION

	Division Committee
	President
1979-1989	Prof. K. I. Zamaraev
	Vice-President
1981-1989	Prof. G. M. Schneider
	Past-President
1979-1989	Dr. D. R. Lide, Jr.
	Secretary
1985-1989	Prof. R. A. Alberty
	Members
1985-1989	Prof. A. M. El-Sayed
1987-1991	Prof. K. Kuchitsu
1987-1991	Dr. Lisbeth Ter-Minassian-Saraga
1985-1989	Prof. J. M. Thomas
1985-1989	Prof. S. Trasatti

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

	Titular Members
	Chairman
1983-1991	Prof. I. M. Mills
	Secretary
1985-1989	Prof. T. Cvitaš
	Members
1981-1989	Prof. E. T. Denisov
1987-1991	Prof. M. Quack
1987-1991	Prof. M. Tasumi
	Associate Members
1983-1991	Prof. R. A. Alberty
1979-1989	Dr. E. R. Cohen
1987-1991	Prof. G. H. Findenegg
1987-1991	Prof. K. H. Homann
1985-1989	Prof. N. Kallay
1987-1991	Prof. I. V. Khudyakov
1987-1991	Prof. K. Kuchitsu

$\phi$  confirmation awaited of agreement to serve

I.2 COMMISSION ON THERMODYNAMICS

Titular Members

Chairman

1983-1989 Prof. G. Somsen

Secretary

1985-1989 Dr. Gerd M. Olofsson

Members

1985-1989 Prof. J. M. G. Barthel

1983-1989 Prof. R. D. Freeman

1985-1989 Dr. H. V. Kehiaian

1987-1991 Prof. P. A. G. O'Hare

1985-1989 Prof. Margit T. Rätzsch

Associate Members

1983-1989 Prof. J. C. G. Calado

1985-1989 Prof. G. Della Gatta

1981-1989 Dr. M. B. Ewing

1987-1991 Dr. R. N. Goldberg  $\emptyset$

1987-1991 Prof. G. A. Krestov  $\emptyset$

1985-1989 Dr. T. H. Lilley

1985-1989 Dr. V. A. Medvedev

1987-1991 Dr. S. Z. Randzio  $\emptyset$

Associate Members (contd.)

1981-1989 Prof. H. Suga

1985-1989 Prof. W. A. Wakeham

1985-1989 Dr. E. Wilhelm

1987-1991 Dr. J. Winkelmann  $\emptyset$

I.3 COMMISSION ON ELECTROCHEMISTRY

Titular Members

Chairman

1983-1991 Prof. G. Gritzner

Secretary

1987-1991 Prof. G. S. Wilson

Members

1985-1989 Prof. B. E. Conway

1983-1991 Prof. L. R. Faulkner

1983-1991 Prof. D. Landolt

1985-1989 Prof. V. M. M. Lobo

1987-1991 Prof. K. Tokuda

Associate Members

1983-1991 Prof. J. Koryta

1983-1991 Prof. O. A. Petrii

1985-1989 Dr. M. Sluyters-Rehbach

I.4 COMMISSION ON CHEMICAL KINETICS

Titular Members

Chairman

1983-1991 Prof. K. J. Laidler (I)

Secretary

1983-1991 Prof. J. Villermaux (I)

Members

1983-1989 Dr. C. G. Eastmond (IV)

1985-1989 Prof. Y. N. Molin (I)

1983-1991 Prof. W. C. Purdy (VII)

1985-1989 Prof. I. Tanaka (I)

Associate Members

1983-1991 Prof. S. W. Benson (I)

1985-1989 Dr. T. Bérczes (I)

1983-1989 Prof. E. T. Denisov (I)

1983-1991 Dr. L. I. Elding (I)

1983-1991 Dr. J. A. Kerr (CODATA)

1983-1991 Prof. W. Klein (VI)

1983-1991 Prof. B. A. Thrush (I)

I.5 COMMISSION ON MOLECULAR STRUCTURE AND SPECTROSCOPY

Titular Members

Chairman

1981-1989 Prof. J. R. Durig

Secretary

1985-1989 Dr. Jeanette G. Grasselli

Members

1983-1991 Prof. A. M. Bradshaw

1983-1991 Dr. B. G. Derendjaev

1987-1991 Prof. R. D. Brown

1985-1989 Prof. E. Hirota

1979-1989 Dr. J. F. J. Todd

Associate Members

~~1984-1989~~ 1984-1989 Prof. R. K. Harris

1985-1989 Prof. G. J. Martin

1987-1991 Prof. L. N. Masalov

1981-1989 Prof. W. B. Person

1981-1989 Prof. C. J. H. Schutte

1981-1989 Prof. M. Tasumi

I.6 COMMISSION ON COLLOID AND SURFACE CHEMISTRY INCLUDING CATALYSIS

Titular Members

Chairman

1983-1991 Prof. K. S. W. Sing

Vice-Chairman

1983-1991 Prof. J. H. Block

Secretary

1985-1989 Dr. B. Vincent

Members

1985-1989 Dr. P. C. Gravelle

1987-1991 Prof. J. Ralston

1987-1991 Dr. J. Rouquérol

1983-1991 Prof. P. J. Stenius

Associate Members

1987-1991 Prof. J. B. Butt

1987-1991 Prof. B. Delmon

1987-1991 Dr. D. Fairhurst

1985-1989 Prof. H. N. W. Lekkerkerker

1983-1991 Dr. A. Maroto

1987-1991 Dr. D. Platikanov

1987-1991 Dr. J. Prus-Czarnecki

II INORGANIC CHEMISTRY DIVISION

Division Committee

President

1981-1989 Prof. E. Fluck

Vice-President

1985-1989 Prof. K. L. Komarek

Secretary

1985-1989 Prof. G. J. Leigh

Members

1987-1991 Prof. V. V. Boldyrev

1987-1991 Prof. P. De Bièvre

1987-1991 Prof. P. W. Gilles

1987-1991 Prof. H. Ohtaki

1987-1991 Prof. C. Schäffer

II.1 COMMISSION ON ATOMIC WEIGHTS AND ISOTOPIC ABUNDANCES

Titular Members

Chairman

1983-1991 Prof. J. R. de Laeter

Secretary

1985-1989 Prof. K. G. Heumann

Members

1987-1991 Dr. J. Césarío

1983-1991 Prof. T. L. Chang

1987-1991 Dr. T. B. Coplen

1987-1991 Dr. K. J. R. Rosman

1985-1989 Dr. Masako Shima

Associate Members

1987-1991 Prof. R. C. Barber

1985-1989 Dr. I. L. Barnes

1985-1989 Dr. J. W. Gramlich

1985-1989 Prof. H. R. Krouse

1985-1989 Dr. I. A. Lebedev

1987-1991 Mr. T. J. Murphy

1987-1991 Prof. P. Seyfried

1987-1991 Prof. K. Wade



II.2 COMMISSION ON NOMENCLATURE OF INORGANIC CHEMISTRY

Titular Members	
	Chairman
1979-1989	Prof. D. H. Busch
	Vice-Chairman
1987-1991	Prof. A. M. Sargeson
	Secretary
1981-1989	Dr. E. Samuel
Members	
1987-1991	Dr. M. W. G. de Bolster
1985-1989	Dr. R. Laitinen
1985-1989	Dr. J. F. Nixon
1985-1989	Mr. T. E. Sloan
1987-1991	Dr. K. Wieghardt
Associate Members	
1987-1991	Dr. M. O. Albers
1987-1991	Prof. D. Coucouvanis
1987-1991	Dr. Piroska Fodor-Csányi
1987-1991	Prof. J. A. McCleverty
1981-1989	Prof. R. C. Mehrotra
1985-1989	Prof. R. Metselaar
1985-1989	Prof. R. Poilblanc
1981-1989	Dr. K. Samuelsson

II.3 COMMISSION ON HIGH TEMPERATURE AND SOLID STATE CHEMISTRY

Titular Members	
	Chairman
1983-1991	Prof. R. Metselaar
	Secretary
1985-1989	Prof. J. Corish
Members	
1985-1989	Prof. J. F. Baumard
1987-1991	Prof. J. Drowart
1987-1991	Prof. L. N. Gorockhov
1987-1991	Dr. J. Hastie
1987-1991	Prof. D.-S. Yan
Associate Members	
1985-1989	Dr. Anne-Marie Anthony
1987-1991	Prof. R. Brook
1985-1989	Dr. J. B. Clark
1987-1991	Prof. J. G. Edwards
1987-1989	Prof. L. V. Gurvich
1987-1991	Prof. H. Hausner
1983-1991	Prof. L. Kihlborg
1985-1989	Prof. J. Matousek
1987-1991	Dr. H. J. Matzke
1987-1989	Dr. M. H. Rand
1985-1989	Dr. G. M. Rosenblatt
1983-1989	Prof. H. Yanagida

III ORGANIC CHEMISTRY DIVISION

Division Committee

President

1981-1989 Prof. Sukh Dev

Vice-President

1985-1989 Prof. Irina P. Beletskaya

Secretary

1987-1991 Prof. N. J. Leonard

Members

1985-1989 Dr. W. Koch

1985-1989 Prof. M. M. Mikołajczyk

1987-1991 Prof. M. Ohno

1987-1991 Prof. G. Scorrano

1987-1991 Prof. P. Vollhardt

III.1 COMMISSION ON NOMENCLATURE OF ORGANIC CHEMISTRY

Titular Members

Chairman

1983-1991 Prof. P. A. S. Smith

Vice-Chairman

1979-1989 Prof. J. C. Richer

Secretary

1979-1989 Dr. W. H. Powell

Members

1987-1991 Prof. H. J. T. Bos

1987-1991 Prof. J. R. Bull

1987-1991 Mr. E. W. Godly

1981-1989 Prof. R. Panico

1987-1991 Dr. O. Weissbach

Associate Members

1987-1989 Prof. O Achmatowicz

1987-1991 Dr. H. A. Favre

1983-1991 Dr. P. M. Giles, Jr.

1987-1991 Prof. P. Grünanger

1983-1989 Dr. H. Gutmann

1985-1989 Dr. J. Heger

1987-1989 Prof. D. Hellwinkel

1987-1991 Prof. M. V. Kisakürek

III.1 COMMISSION ON NOMENCLATURE OF ORGANIC CHEMISTRY

Associate Members (contd.)

1987-1989	Dr. A. D. McNaught
1987-1989	Dr. G. P. Moss
1981-1989	Mr. R. Schoenfeld
1987-1991	Dr. D. Tavernier

III.2 COMMISSION ON PHYSICAL ORGANIC CHEMISTRY

Titular Members

Chairman

1985-1991 Prof. P. Müller

Secretary

1987-1991 Prof. M. P. Doyle

Members

1987-1991 Prof. P. N. I. Ahlberg

1981-1989 Prof. E. A. Halevi

1987-1991 Prof. J. M. McBride

1981-1989 Prof. O. M. Nefedov

1985-1989 Prof. M. Ōki

Associate Members

1987-1991 Dr. T. A. Albright

1987-1991 Prof. W. Drenth

1987-1989 Dr. R. A. Y. Jones

1987-1991 Prof. V. I. Minkin

1985-1989 Prof. K. Schwetlick

1987-1991 Prof. Y. Takeuchi

1985-1989 Prof. P. Van Brandt

III.3 COMMISSION ON PHOTOCHEMISTRY

Titular Members

Chairman

1981-1989 Prof. J. Michl

Secretary

1983-1991 Prof. Silvia E. Braslavsky

Members

1985-1989 Dr. D. F. Eaton

1983-1989 Prof. H. Iwamura

1985-1989 Prof. M. G. Kuzmin

1979-1991 Prof. K. Tokumaru SP

Associate Members

1985-1989 Dr. R. Bonneau

1987-1991 Dr. J. D. Coyle Ø

1983-1991 Dr. A. Heller

1985-1989 Prof. C. B. Moore

1985-1989 Prof. J. W. Verhoeven

1985-1989 Prof. M. A. Winnik

IV MACROMOLECULAR DIVISION

Division Committee

President

1979-1989 Prof. T. Saegusa

Vice-President

1983-1989 Prof. W. Heitz

Secretary

1985-1989 Prof. A. D. Jenkins

Members

1985-1989 Prof. F. Ciardelli

1987-1991 Dr. J. Economy

1987-1991 Prof. E. Maréchal

1987-1991 Prof. E. F. Oleinik

1985-1989 Prof. A. Silberberg

IV.1 COMMISSION ON MACROMOLECULAR NOMENCLATURE

Titular Members

Chairman

1979-1989 Dr. P. Kratochvíl

Secretary

1987-1991 Dr. W. J. Work

Members

1977-1989 Prof. G. Allegra

1983-1991 Dr. R. E. Bareiss

1979-1989 Prof. I. Mita

1985-1989 Dr. Claudine Noël

1987-1991 Prof. V. B. Shibaev

1981-1989 Prof. U. W. Suter

Associate Members

1987-1991 Prof. J. V. Alemán

1981-1989 Prof. D. Braun

1987-1991 Prof. K. Hatada

1987-1991 Dr. J. Kahovec

1987-1991 Dr. W. V. Metanomski

1987-1991 Prof. I. M. Papisov

1987-1991 Prof. L. Shi

1987-1991 Prof. R. F. T. Stepto

1987-1991 Prof. S. K. Tripathy

IV.2 COMMISSION ON POLYMER CHARACTERIZATION AND PROPERTIES

Titular Members

Chairman

1985-1989 Prof. M. Mandel

Secretary

1985-1989 Mr. J. M. Cann

Members

1985-1989 Prof. M. Jozefowicz

1987-1991 Prof. R. W. Lenz

1983-1991 Dr. H. H. Meyer

1987-1991 Prof. K. H. Reichert

1987-1991 Dr. J. M. Richardson

1983-1991 Mr. P. Starck

1987-1991 Dr. R. F. T. Stepto

Associate Members

1983-1991 Dr. B. C. Anderson

1985-1989 Prof. C. H. Bamford

1979-1989 Prof. G. W. Becker

1985-1989 Dr. M. E. Carrega

1981-1989 Prof. V. A. Kabanov

1987-1991 Dr. H. Lange

1987-1991 Prof. T. Masuda

1987-1991 Prof. E. F. Oleinik

IV.2 COMMISSION ON POLYMER CHARACTERIZATION AND PROPERTIES

Associate Members (contd.)

1985-1989	Prof. R. Qian
1987-1991	Prof. S. Russo
1983-1991	Prof. J. C. Seferis
1985-1989	Dr. J. Stejskal

V ANALYTICAL CHEMISTRY DIVISION

Division Committee

President

1981-1989	Prof. G. H. Nancollas
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Vice-President/Secretary

1983-1991	Prof. G. den Boef
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Members

1987-1991	Prof. K. Fuwa
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1987-1991	Prof. A. Hulanicki
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1987-1991	Prof. J. Jordan
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1987-1991	Prof. A. S. Kertes
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1987-1991	Prof. B. V. L'vov
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1987-1991	Prof. A. Townshend
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V.1 COMMISSION ON ANALYTICAL REACTIONS AND REAGENTS

Titular Members

Chairman

1983-1989 Prof. D. Thorburn Burns

Secretary

1985-1989 Prof. F. Ingman

Members

1985-1989 Dr. St. Glab

1985-1989 Prof. D. L. Massart

1983-1989 Prof. L. Sommer

1987-1991 Prof. W. E. van der Linden

1987-1991 Prof. P. C. Uden

Associate Members

1985-1989 Dr. D. Baylocq

1987-1991 Dr. A. Marton

1987-1991 Prof. H. Müller

1987-1991 Prof. S. B. Savvin

1985-1989 Prof. M. Takagi

1985-1989 Dr. G. Vigh

1985-1989 Prof. E. V. Wänninen

1985-1989 Prof. B. D. Westerlund

1987-1991 Dr. P. J. Worsfold

V.2 COMMISSION ON MICROCHEMICAL TECHNIQUES AND TRACE ANALYSIS

Titular Members

Chairman

1979-1989 Dr. B. Griepink

Secretary

1985-1989 Dr. D. E. Wells

Members

1983-1991 Prof. K. Biemann

1987-1991 Dr. W. H. Gries

1987-1991 Prof. M. Leroy

1981-1989 Prof. Z. Marczenko

1987-1991 Dr. D. G. Westmoreland

Associate Members

1983-1991 Prof. R. Dams

1981-1989 Prof. K. Fuwa

1985-1989 Dr. M. W. Linscheid

1987-1991 Dr. M. Morita

1985-1989 Dr. H. Muntau

1985-1989 Dr. M. J. Pellin

1987-1991 Dr. L. Reutergårdh

1987-1991 Dr. B. D. Sawicka

1987-1991 Prof. E. Schweikert

1987-1991 Dr. G. Scilla

1985-1989 Dr. B. Ya. Spivakov

1987-1991 Dr. W. Wegscheider

V.3 COMMISSION ON ANALYTICAL NOMENCLATURE

Titular Members

Chairman

1983-1991 Prof. R. E. Van Grieken

Secretary

1985-1989 Dr. C. L. Graham

Members

1983-1991 Prof. C. A. M. G. Cramers

1985-1989 Dr. L. A. Currie

1985-1989 Dr. W. Horwitz

1981-1989 Prof. D. Klockow

1987-1991 Dr. M. Parkany

Associate Members

1981-1989 Dr. L. S. Ettre

1985-1989 Prof. D. M. Everaerts

1987-1991 Prof. Y. Ghoshi

1987-1991 Prof. P. S. Goel

1987-1991 Dr. H. M. Kingston

1987-1991 Prof. G. Patriarche

1985-1989 Prof. D. L. Rabenstein

1985-1989 Prof. J. W. Stahl

V.4 COMMISSION ON SPECTROCHEMICAL AND OTHER  
OPTICAL PROCEDURES FOR ANALYSIS

Titular Members

Chairman

1983-1991 Dr. J. M. Mermet

Secretary

1983-1989 Dr. L. R. P. Butler

Members

1985-1989 Dr. W. H. Melhuish

1987-1991 Dr. N. S. Nogar

1983-1989 Dr. Christiane Sénémaud

1985-1989 Dr. A. M. Ure

1985-1989 Prof. M. Zander

Associate Members

1983-1989 Prof. G. M. Hieftje

1987-1991 Dr. D. S. Moore

1985-1989 Dr. N. Omenetto

1987-1991 Prof. B. Schrader

1985-1989 Dr. R. Sturgeon

1987-1991 Dr. T. Vo Dinh

1985-1989 Prof. J. P. Willis

1987-1991 Dr. E. Yeung



V.5 COMMISSION ON ELECTROANALYTICAL CHEMISTRY

Titular Members

Chairman

1985-1989 Prof. M. Senda

Vice-Chairman

1985-1989 Dr. R. Kalvoda

Secretary

1987-1991 Dr. R. A. Durst

Members

1985-1989 Prof. J. Buffle

1987-1991 Prof. M. Gross

1985-1989 Prof. K. M. Kadish

1987-1991 Dr. Klára Tóth

Associate Members

1987-1991 Prof. R. P. Buck

1987-1991 Prof. F. Camoes

1981-1989 Dr. W. Davison

1987-1991 Dr. A. Fogg

1981-1989 Prof. H. Kao

1985-1989 Prof. R. C. Kapoor

1985-1989 Prof. Janet G. Osteryoung

1987-1991 Prof. Sandra Rondinini Cavallari

Associate Members (contd.)

1987-1991 Dr. K. V. Stulik

1987-1991 Prof. Y. Umezawa

1985-1989 Dr. H. P. van Leeuwen

1987-1991 Prof. E. Wang

V.6 COMMISSION ON EQUILIBRIUM DATA

Titular Members

Chairman

1979-1989 Dr. L. D. Pettit

Secretary

1985-1989 Prof. O. Yamauchi

Members

1987-1991 Prof. A. Braibanti

1987-1991 Prof. D. G. Tuck

1981-1989 Dr. P. Valenta

Associate Members

1981-1989 Dr. A. C. M. Bourg

1987-1989 Prof. E. D. Goldberg

1987-1989 Prof. I. R. Grenthe

1987-1991 Dr. B. Holmberg

1985-1989 Prof. T. Kaden

1987-1991 Dr. T. Kiss

1985-1989 Prof. R. B. Martin

1983-1991 Prof. P. Paoletti

1985-1989 Prof. R. Portanova

1987-1991 Dr. H. K. Powell

V.7 COMMISSION ON RADIOCHEMISTRY AND NUCLEAR TECHNIQUES

Titular Members

Chairman

1983-1991 Prof. Darleane C. Hoffman (I)

Secretary

1987-1991 Prof. H. R. von Gunten (V)

Members

1987-1991 Prof. J.-P. Adloff (V)

1985-1989 Prof. J. Foos (V)

1983-1991 Dr. K. S. Kasprzak (VII)

1985-1989 Prof. I. Zvára (V)

Associate Members

1983-1991 Prof. H. J. Ache (I)

1985-1989 Prof. H. A. Das (V)

1987-1991 Dr. R. Hagemann (II)

1983-1991 Prof. G. Herrmann (I)

1985-1989 Prof. P. Karol (V)

1987-1991 Prof. Y.-F. Liu (V)

1985-1989 Mr. S. G. Luxon (VI)

1985-1989 Prof. W. Maenhaut (V)

1987-1991 Prof. M. Sakanoue (V)

1987-1991 Prof. H. Sano (V)

V.8 COMMISSION ON SOLUBILITY DATA

Titular Members

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Secretary

1983-1991 Dr. L. H. Gevantman

Members

1985-1989 Prof. R. Cohen-Adad

1987-1991 Dr. P. G. T. Fogg

1987-1991 Prof. W. Hayduk

1987-1991 Dr. G. T. Hefter

1987-1991 Prof. R. P. T. Tomkins

Associate Members

1987-1991 Prof. H. Akaiwa

1987-1991 Dr. R. W. Cargill

1985-1989 Prof. C. Y. Chan

1987-1989 Prof. H. L. Clever

1987-1991 Dr. Rosa Crovetto

1985-1989 Prof. J. J. Counioux

1987-1991 Dr. Angela F. Danil de Namor

1987-1991 Prof. T. P. Dirkse

Associate Members (contd.)

1979-1989 Prof. F. W. Getzen SP

1987-1991 Dr. H. J. M. Grünbauer

1985-1989 Dr. Marie-Thérèse Saugier-Cohen-Adad

1987-1991 Dr. A. M. Szafranski

VI APPLIED CHEMISTRY DIVISION

Division Committee

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*Vice-President*

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Secretary

1985-1989 Dr. R. Greenhalgh

Members

1987-1991 Mr. J. A. R. Bates

1985-1989 Prof. G. Billek

1985-1989 Dr. S. Gorbach

1985-1989 Prof. J. Pokorný

1987-1991 Dr. P. S. Steyn

VI.1 COMMISSION ON FOOD CHEMISTRY

Titular Members

Chairman

1983-1991 Dr. A. E. Pohland

Vice-Chairman

1987-1991 Dr. H. B. S. Conacher

Secretary

1983-1991 Dr. D. L. Park

Members

1985-1989 Dr. R. Battaglia

1987-1991 Dr. D. McWeeny

1985-1989 Dr. H. A. M. G. Vaessen

Associate Members

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1985-1989 Dr. R. L. Ellis

1985-1989 Dr. J. Fremy

1985-1989 Prof. J. Jacob

1983-1989 Dr. R. Livingston

1987-1991 Dr. I. Rosenthal

1985-1989 Dr. P. G. Thiel

1985-1989 Dr. Y. Ueno

1985-1989 Dr. T. Yasumoto

VI.2 COMMISSION ON BIOTECHNOLOGY

Titular Members

Chairman

1983-1991 Prof. M. Ringpfeil

Vice-Chairman

1985-1989 Prof. A. M. Chakrabarty

Secretary

Members

1985-1989 Dr. V. K. Eroshin

1985-1989 Dr. H. Kölbl

1985-1989 Dr. H. G. W. Leuenberger

1985-1989 Prof. H. Yamada

Associate Members

1985-1989 Dr. Lila M. Gierasch

1985-1989 Dr. S. Narang

1985-1989 Dr. L. Nyeste

1985-1989 Dr. S. Ramachandran

1985-1989 Prof. C. Wandrey

VI.3 COMMISSION ON OILS, FATS, AND DERIVATIVES

Titular Members

Chairman

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Vice-Chairman

1987-1991 Dr. A. Dieffenbacher

Secretary

1983-1989 Mr. W. D. Pocklington

Members

1985-1989 Dr. Éva Kurucz

1987-1991 Dr. G. Zwerenz

Associate Members

1987-1991 Dr. H. Brüsweiler

1981-1989 Prof. E. Fedeli

1985-1989 Prof. T. Hashimoto

1985-1989 Dr. Gunhild Hölmer

1985-1989 Dr. A. Karleskind

1983-1989 Drs. F. H. Koelman

1987-1989 Dr. Ö. Levin

1983-1989 Dr. R. G. Manning

1985-1989 Dr. R. Ohlson

VI.3 COMMISSION ON OILS, FATS, AND DERIVATIVES

Associate Members (contd.)

1987-1991	Dr. G. Ostermann
1987-1991	Mr. M. Pike
1981-1989	Mrs. Anneli Visapää

VI.4 COMMISSION ON ATMOSPHERIC CHEMISTRY

Titular Members

Chairman

1983-1991	Prof. J. G. Calvert
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Secretary

1985-1989	Dr. J. Slanina
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Members

1987-1991	Dr. H. Akimoto
1985-1989	Dr. S. A. Penkett
1987-1991	Prof. H. R. Pruppacher
1983-1991	Prof. H. I. Schiff
1987-1991	Prof. Xiaoyan Tang

Associate Members

1987-1991	Prof. N. M. Bazhin
1987-1991	Dr. R. H. Brown
1987-1991	Dr. J. A. Kerr
1987-1991	Prof. D. Klockow
1985-1989	Dr. I. O'Neill
1985-1989	Dr. M. Sauté
1987-1991	Dr. D. E. Tevault
1987-1991	Prof. P. Warneck

VI.5 COMMISSION ON PESTICIDE CHEMISTRY

Titular Members

Chairman

1987-1991 Dr. R. J. Hemingway

Secretary

1985-1989 Dr. T. R. Roberts

Members

1983-1989 Dr. N. Aharonson

1983-1989 Dr. A. Ambrus

1985-1989 Prof. Ludmilla A. Golovleva

1985-1989 Prof. R. M. Hollingworth

1983-1989 Prof. W. Klein

1985-1989 Dr. J. W. Vonk

Associate Members

1985-1989 Mr. M. Buys

1985-1989 Dr. E. Celma-Calamita

1985-1989 Dr. S. Z. Cohen

1987-1991 Dr. B. Donzel

1985-1989 Dr. E. Dorn

1985-1989 Prof. T. R. Fukuto

1985-1989 Dr. P. T. Holland

1983-1989 Prof. N. Kurihara

1983-1989 Dr. S. Otto

1985-1989 Dr. G. D. Paulson

1983-1989 Dr. D. B. Sharp

VI.6 COMMISSION ON WATER CHEMISTRY

Titular Members

Chairman

1983-1989 Mr. L. G. Lindfors

Secretary

1983-1989 Mr. J. A. Tetlow

Members

1987-1991 Dr. A. J. Dobbs

1983-1991 Prof. F. R. Malz

1987-1991 Dr. Miriam Waldman

Associate Members

1987-1991 Prof. J. W. Bulkley

1987-1989 Prof. W. W. Eckenfelder, Jr.

1987-1991 Dr. Christine Fauris

1987-1991 Dr. D. L. Ford

1987-1991 Dr. J. W. Patterson

VII CLINICAL CHEMISTRY DIVISION

Division Committee

President

1979-1989 Dr. S. S. Brown

Vice-President

1981-1989 Prof. N. Montalbetti

Secretary

1985-1989 Dr. J. O. Järvisalo

Members

1985-1989 Prof. A. Cavalleri

1987-1991 Dr. H. P. Lehmann

1987-1991 Dr. C. Naudin

1987-1991 Dr. J. Waldenström

1985-1989 Prof. O. Zinder

VII.1 COMMISSION ON AUTOMATION AND CLINICAL CHEMICAL TECHNIQUES

Titular Members

Chairman

1983-1989 Mr. T. D. Geary

Secretary

Members

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1987-1991 Dr. G. Buffone

1981-1989 Dr. C. A. Burtis

1981-1989 Prof. R. Haeckel



VII.2 COMMISSION ON QUANTITIES AND UNITS

Titular Members

Chairman

1979-1989 Dr. H. P. Lehmann

Members

1983-1991 Dr. D. R. Bangham

1983-1991 Prof. G. Féraud

1987-1991 Dr. J. G. Hill

1985-1989 Mr. M. Lauritzen

1985-1989 Dr. H. Olesen

Associate Members

1985-1989 Prof. C.-H. de Verdier

1985-1989 Dr. B. F. Visser

VII.3 COMMISSION ON TEACHING

Titular Members

Chairman

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Secretary

1979-1988 Dr. H. G. J. Worth

Members

1981-1988 Dr. C. G. Fraser

Associate Members

1987-1988 Dr. A. Deom

1985-1988 Dr. M. A. Drosdowsky

1985-1988 Dr. P. Garcia Webb

1979-1988 Prof. B. Straus

1981-1988 Prof. V. N. Titov

1983-1988 Dr. C. W. H. Walker

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Titular Members

Chairman

1985-1989 Prof. Ph. Grandjean

Secretary

1987-1991 Dr. Rita Cornelis

Members

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1981-1989 Prof. Mirna Mikac<sup>✓</sup>-Devic<sup>✓</sup>

1983-1991 Prof. E. Nieboer

1983-1991 Dr. Y. Thomassen

1987-1991 Dr. C. Veillon

Associate Members

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1985-1989 Mr. C. Bozec

1987-1991 Dr. D. Dewally

1987-1991 Dr. Renate D. Kimbrough

1981-1989 Dr. S. Nomoto

1987-1991 Dr. S. Rendic<sup>✓</sup>

1987-1989 Dr. M. Stoeppler

1985-1989 Dr. B. Welz

1987-1991 Dr. S. Wong

1987-1991 Dr. L. A. Wright