

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 51st MEETING OF BUREAU

École Supérieure de Commerce de Lyon: 7th September 1985

Present: Prof. C. N. R. Rao (Chairman), Prof. A. D. Campbell, Prof. V. Gold, Dr. Mary L. Good, Prof. S. Itô, Prof. Y. Jeannin, Prof. V. A. Koptug, Dr. W. G. Schneider, Prof. D. B. Tonks, Prof. A. A. Vlček, Prof. I. Wadsö, Prof. H. Gg. Wagner, Prof. T. S. West (Elected Members); Dr. S. S. Brown - in part, Prof. J. F. Bunnett, Dr. P. C. Kearney - in part, Dr. D. R. Lide, Jr., Prof. G. H. Nancollas, Prof. T. Saegusa, Prof. Kazuo Saito (Division Presidents)

Absent: Prof. A. J. Arvia, Prof. A. Björkman, Prof. Wei-Yuan Huang

In Attendance: Prof. C. H. Bamford (Past President, Macromolecular Division), Dr. M. Williams (Executive Secretary), Miss A. Troughton (Deputy Executive Secretary)

16/85 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Rao welcomed the new Members to their first Bureau meeting. Profs. Björkman and Huang had apologized for their absence, both needing to leave Lyon immediately after the Council meeting earlier in the day.

The Agenda drawn up by the Executive Secretary was approved.

17/85 ELECTION OF TWO EXECUTIVE COMMITTEE MEMBERS

The President reminded the Bureau that, in accordance with Statute 8.2, Prof. Jeannin would continue as an Elected Member of the Executive Committee until 1987. There were two vacancies arising from the completion of period of service on the Bureau of Profs. J. Michalski and C. G. Overberger.

Dr. Good and Prof. Vlček were proposed as candidates by Prof. Rao and they agreed to stand. There being no other nominations, Dr. Good and Prof. Vlček were declared elected to fill the vacancies.

18/85 APPROVAL OF NEW MEMBERS OF DIVISION COMMITTEES AND COMMISSIONS

Noting its acceptance at Lyon (Minute 5.4/85, 50th Meeting) of the Officers' recommendation for partial lifting of the restriction to six Titular Members for Commissions, but no change in the restriction to eight Members for Division Committees (Minute 3.2/83, 47th Meeting), 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 and Minute 16/79, 30th Council - Davos);
- (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 1987 for Commissions I.2 (to 12), I.3 (to 11), I.5 (to 9), II.1 (to 8), II.2 (to 9), II.3 (to 12), III.1 (to 11), IV.2 (to 8), V.1 (to 10), V.2 (to 11), V.3 (to 9), V.4 (to 7), V.5 (to 12), V.6 (to 10), V.7 (to 9), V.8 (to 12), VI.1 (to 9), VI.3 (to 12), VII.3 (to 8);
- (vi) for exceptional reasons proposed by Dr. Lide, seven Titular Members should be allowed on Commissions I.3 (Prof. V. M. M. Lobo as an expert in electrochemical data compilation), I.5 (Prof. R. Zare as an expert in laser spectroscopy), and I.6 (Dr. P. C. Gravelle as an expert in catalyst characterization); and eight Titular Members should be allowed on Commission I.4 (to meet all requests for Divisional representations - Dr. Lide agreed to confirm after Lyon the Division responsible for each Titular and Associate Member);
- (vii) on the advice of Dr. Lide, Prof. S. Forsen should be discontinued as a Titular Member of Commission I.5 and allowed to serve exceptionally for two years as an Associate Member;
- (viii) for exceptional reasons proposed by Prof. Saito, seven Titular Members should be allowed on Commission II.1, and eight Titular Members retained on Commission II.2 and seven on Commission II.3;
- (ix) for exceptional reasons proposed by Prof. Saito, the maximum statutory terms of service as a Titular Member and Officer should be extended until 1987 for Prof. R. L. Martin on Commission II.1 (to provide continuity in leadership and expertise) and Prof. P. W. Gilles on Commission II.3 (to provide Officer continuity);
- (x) despite reasons proposed by Prof. Saito, no further extension in term of service as an Associate Member should be allowed for Mr. H. S. Peiser on Commission II.1; and Prof. K. L. Komarek should not be approved as an Associate Member of Commission II.3 (he was now Secretary of the Inorganic Chemistry Division), thereby enabling Dr. R. W. Ohse to continue exceptionally as an Associate Member until 1987;
- (xi) for exceptional reasons proposed by Prof. Bunnett, seven Titular Members should be retained on Commission III.2 [Prof. E. M. Arnett (1985-1989) to fill remaining vacancy, subject to confirmation of agreement to serve] and eight Titular Members on Commission III.1;
- (xii) for exceptional reasons proposed by Prof. Bunnett, the maximum statutory term of service as a Titular Member and Officer for Prof. V. Gold and as Associate Members for Profs. R. D. Guthrie and J. March should be extended on Commission III.2 until 1987;
- (xiii) despite reasons proposed by Prof. Bunnett, no further extension in term of service as an Associate Member should be allowed for Prof. J. Rigaudy on Commission III.1;
- (xiv) for exceptional reasons proposed by Prof. Saegusa, nine Members should be allowed on the Macromolecular Division Committee (Prof. N. Platé to continue until 1987 to maintain representation from Eastern Europe), and seven and eight Titular Members should be retained on Commissions IV.2 and IV.1 respectively;

- (xv) for exceptional reasons proposed by Prof. Saegusa, the maximum statutory terms of service as a Titular Member for Prof. G. Allegra should be extended on Commission IV.1 until 1987, and for Prof. G. Hinrichsen/Titular Member and Prof. G. W. Becker/Associate Member on Commission IV.2 until 1987 and 1989 respectively;
- (xvi) despite reasons proposed by Prof. Saegusa, Prof. A. D. Jenkins should not be allowed to serve as an Associate Member on Commission IV.1 even during 1985-1987 and no further extension in term of service as an Associate Member should be allowed for Dr. K. L. Loening;
- (xvii) for exceptional reasons proposed by Prof. Nancollas, seven Titular Members should be allowed on Commissions V.1 (Dr. St. G~~ab~~), V.3 (Dr. M. A. Leonard), V.5 (Prof. Sandra Rondinini Cavallari not accepted), and V.8 (Prof. R. Cohen-Adad), and seven Titular Members should be retained on Commission V.2;
- (xviii) the Analytical Chemistry Division Committee should be limited to eight Members (Prof. J. Inczédy not accepted), and one of the proposed new Associate Members for Commission V.5 and four of the proposed new Associate Members for Commission V.8 should be deleted by consultation;
- (xix) for exceptional reasons (to facilitate a major reconstitution) proposed by Dr. Kearney, seven Titular Members should be allowed on Commission VI.2 (10-15 additional candidates had been identified for Titular/Associate Membership, with further nominations to be submitted from European Federation of Biotechnology, Japan, USSR - President Rao to approve the final proposals by correspondence on behalf of the Bureau);
- (xx) for exceptional reasons (to enable a wider spectrum of activities in future) proposed by Dr. Kearney, eight Titular Members should be allowed on Commission VI.5 (financially only seven, because Dr. T. R. Roberts would be funded by Shell Research PLC);
- (xxi) for exceptional reasons (to facilitate a better rotation of membership) proposed by Dr. Brown, the maximum statutory terms of service (Bylaw 4.103) on the Clinical Chemistry Division Committee of Profs. V. N. Titov and D. J. Vonderschmitt should be extended until 1987;
- (xxii) taking note of the recommendation to dissolve Commission VII.3 at Boston (Minute 17(iii)a/85, 33rd Council - Lyon) and despite reasons proposed by Dr. Brown, Dr. A. Deom should not be accepted as a new Titular Member and the service of all Associate Members should terminate in 1987;
- (xxiii) for exceptional reasons (Prof. Ph. Grandjean to chair a new Subcommittee on Risk Assessment) proposed by Dr. Brown, seven Titular Members should be allowed on Commission VII.4.

In conclusion, the President said that there were now about 20 additional Titular Members compared with the previous biennium.

Prof. Bunnett expressed concern about the lack of consultation at Lyon to ensure a satisfactory inter-divisional membership for the Commission on Chemical Kinetics (I.4) and similar bodies. In addition, the Executive Secretary reiterated his forecast that the financial transactions of such bodies might become rather complex (Minute 3.5/85, Division Presidents - Lyon). Dr. Lide agreed to confirm, after Lyon, the Divisional representation of each Member of Commission I.4, and the Secretary General agreed to formulate more detailed guidelines for these inter-divisional memberships, for presentation to the Division Presidents and Bureau in 1986.

19/85 DATE AND PLACE OF NEXT MEETING

Acceptance of the invitation from the Hungarian Academy of Sciences for the Bureau to meet at Veszprém in Summer 1986 (Minute 15/84, 49th Bureau - Oxford) was confirmed. The dates agreed were 28th-29th September, with the Division Presidents to meet on 27th September.

20/85 ANY OTHER BUSINESS

20.1/85 Additional Titular Members

The President drew attention to a letter from the Treasurer to the Officers of the Union, presented on his departure from Lyon earlier in the day, and expressing concern that the Bureau should not approve more than 15 additional Titular Members. Despite this and because the total approved was less than the budgetary provision, Prof. Rao recommended that consideration of the letter should be deferred to the Officers Budget Allocation Meeting in Oxford during November.

20.2/85 Vice-Presidential Critical Assessment of IUPAC Projects and Programmes

Prof. Bunnett suggested that allowance should be made for correction of inaccurate information in the Assessment in order to enhance its status rather than produce discredit. This was acceptable to Prof. Rao, but Dr. Schneider was anxious to receive correct information in the first place. It was agreed by the Bureau that, in future, the biennial Assessment should be circulated for comment by the Division Presidents, but a deadline should be set for reply.

20.3/85 IUPAC Handbook 1985-1987

Prof. Koptyug suggested that the Secretariat should look at the possibility of including the country for each Member of Division Committees and Commissions in the new Handbook, and it was agreed that this should be examined.

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CHAIRMAN: _____

DATE: _____

J. Q. Rao

Sept 28 '86

I PHYSICAL CHEMISTRY DIVISION

	Division Committee
	President
1979-1987	Dr. D. R. Lide, Jr.
	Vice-President
1979-1987	Prof. K. I. Zamaraev
	Secretary
1981-1989	Prof. G. M. Schneider
	Members
1985-1989	Prof. R. A. Alberty
1985-1989	Prof. A. M. El-Sayed
1983-1987	Prof. K. Tamaru
1985-1989	Prof. J. M. Thomas
1985-1989	Prof. S. Trasatti

ϕ Confirmation awaited of agreement to serve

I.1 COMMISSION ON PHYSICO-CHEMICAL SYMBOLS, TERMINOLOGY, AND UNITS

	Titular Members
	Chairman
1983-1987	Prof. I. M. Mills
	Secretary
1979-1987	Prof. K. H. Homann
	Members
1985-1989	Prof. T. Cvitas ^V
1981-1989	Prof. E. T. Denisov
1985-1989	Dr. W. H. Kirchhoff
1979-1987	Prof. K. Kuchitsu
	Associate Members
1983-1987	Prof. R. A. Alberty
1983-1987	Dr. I. Ansara
1979-1987	Dr. E. R. Cohen
1985-1989	Dr. N. Kallay
1979-1987	Prof. A. Schuyff

1.2 COMMISSION ON THERMODYNAMICS

Titular Members

Chairman

1983-1987 Prof. G. Somsen

Secretary

1985-1989 Dr. H. V. Kehiaian

Members

1983-1987 Prof. J. M. G. Barthel

1983-1987 Prof. R. D. Freeman

1985-1989 Dr. Gerd M. Olofsson

1985-1989 Prof. Margit T. Rätzsch

Associate Members

1983-1987 Prof. J. C. G. Calado

1985-1989 Prof. G. Della Gatta

1981-1989 Dr. M. B. Ewing

1983-1987 Prof. I. L. Khodakovskii

1985-1989 Dr. T. H. Lilley Ø

1985-1989 Dr. V. A. Medvedev Ø

1981-1989 Prof. P. A. G. O'Hare

1983-1987 Prof. J. Pick

1981-1989 Prof. H. Suga

1985-1989 Dr. W. A. Wakeham

1985-1989 Dr. E. Wilhelm

1985-1987 Prof. W. Zielenkiewicz

1.3 COMMISSION ON ELECTROCHEMISTRY

Titular Members

Chairman

1977-1987 Prof. K. Niki

Vice-Chairman

1983-1987 Prof. L. R. Faulkner

Secretary

1983-1987 Prof. G. Gritzner

Members

1985-1989 Prof. B. E. Conway

1983-1987 Prof. D. Landolt

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

1983-1987 Dr. R. Memming

Associate Members

1979-1987 Dr. J. N. Agar

1983-1987 Dr. A. Bewick

1979-1987 Prof. E. Budevski

1983-1987 Prof. K. E. Heusler

1983-1987 Dr. J. C. Justice

1983-1987 Prof. J. Koryta

1979-1987 Dr. E. Miller

1983-1987 Prof. O. A. Petrii

1979-1987 Dr. J. A. Plambeck

1985-1989 Dr. M. Sluyters-Rehbach

1985-1989 Prof. K. Tokuda

1.4 COMMISSION ON CHEMICAL KINETICS

Titular Members

Chairman

1983-1987 Prof. K. J. Laidler

Secretary

1983-1987 Prof. J. Villermaux

Members

1983-1987 Prof. A. J. Bard

1983-1987 Prof. F. C. De Schryver

1983-1987 Dr. C. G. Eastmond

1985-1989 Prof. Yu. N. Molin

1983-1987 Prof. W. C. Purdy

1985-1989 Prof. I. Tanaka

Associate Members

1983-1987 Prof. S. W. Benson

1985-1989 Dr. T. Bérczes

1983-1987 Prof. E. T. Denisov

1983-1987 Dr. L. I. Elding

1983-1987 Dr. J. A. Kerr

1983-1987 Prof. W. Klein

1983-1987 Prof. K. F. O'Driscoll

1983-1987 Prof. B. A. Thrush

I.5 COMMISSION ON MOLECULAR STRUCTURE AND SPECTROSCOPY

Titular Members

Chairman

1981-1989 Prof. J. R. Durig

Secretary

1983-1987 Dr. H. A. Willis

Members

1983-1987 Prof. A. M. Bradshaw

1983-1987 Dr. B. G. Derendjaev

1985-1989 Dr. Jeannette G. Grasselli

1979-1987 Dr. J. F. J. Todd

1985-1989 Prof. R. Zare

Associate Members

1983-1987 Prof. R. D. Brown

1981-1989 Prof. R. K. Harris

1983-1987 Dr. H. Kon

1985-1989 Prof. G. J. Martin

1983-1987 Prof. Yu. N. Molin

1981-1989 Prof. W. B. Person

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

1981-1989 Prof. M. Tasumi

1985-1987 Prof. S. Forsen

I.6 COMMISSION ON COLLOID AND SURFACE CHEMISTRY
INCLUDING CATALYSIS

Titular Members

Chairman

1983-1987 Prof. K. S. W. Sing

Vice-Chairman

1977-1987 Prof. J. Haber

Secretary

1985-1989 Dr. B. Vincent

Members

1983-1987 Prof. J. H. Block

1985-1989 Dr. P. C. Gravelle

1983-1987 Prof. P. J. Stenius

1983-1987 Dr. Lisbeth Ter-Minassian-Saraga

Associate Members

1979-1987 Dr. N. V. Churaev

1983-1987 Prof. J. W. Hightower

1979-1987 Prof. R. J. Hunter

1983-1987 Dr. A. J. G. Maroto

1983-1987 Dr. J. Rouquérol

1983-1987 Prof. P. B. Wells

II INORGANIC CHEMISTRY DIVISION

Division Committee

President

1977-1987 Prof. Kazuo Saito

Vice-President

1981-1989 Prof. E. Fluck

Secretary

1985-1989 Prof. K. L. Komarek

Members

1983-1987 Prof. M. T. Beck

1983-1987 Dr. R. J. Ch. Hagemann

1985-1989 Dr. G. J. Leigh

1983-1987 Prof. A. B. P. Lever

1983-1987 Prof. A. M. Sargeson

II.1 COMMISSION ON ATOMIC WEIGHTS AND ISOTOPIC ABUNDANCES

Titular Members		
Chairman		
1975-1987	Prof. R. L. Martin	SP
Secretary		
1983-1987	Dr. J. R. de Laeter	
Members		
1979-1987	Prof. R. C. Barber	
1983-1987	Prof. T. L. Chang	
1985-1989	Prof. K. G. Heumann	
1979-1987	Dr. T. J. Murphy	
1985-1989	Dr. Masako Shima	
Associate Members		
1985-1989	Dr. I. L. Barnes	
1985-1989	Dr. J. Césarío	
1983-1987	Dr. T. B. Coplen	
1985-1989	Dr. J. W. Gramlich	
1983-1987	Dr. N. E. Holden	
1985-1989	Dr. H. R. Krouse	
1985-1989	Dr. I. A. Lebedev	
1975-1987	Dr. H. S. Peiser	SP
1983-1987	Dr. K. J. R. Rosman	

II.2 COMMISSION ON NOMENCLATURE OF INORGANIC CHEMISTRY

Titular Members	
Chairman	
1979-1987	Prof. D. H. Busch
Vice-Chairman	
1979-1987	Prof. E. Fluck
Secretary	
1981-1989	Dr. E. Samuel
Members	
1979-1987	Dr. Piroska Fodor-Csányi
1985-1989	Dr. R. Laitinen
1985-1989	Dr. J. F. Nixon
1979-1987	Prof. J. Reedijk
1985-1989	Mr. T. E. Sloan
Associate Members	
1983-1987	Dr. M. W. G. de Bolster
1979-1987	Mr. E. W. Godly
1981-1989	Prof. R. C. Mehrotra
1985-1989	Prof. R. Metselaar
1985-1989	Prof. R. Poil Blanc
1985-1989	Dr. J. E. Raynor
1981-1989	Dr. K. Samuelsson
1985-1989	Prof. A. M. Sargeson
1985-1989	Dr. K. Wieghardt

II.3 COMMISSION ON HIGH TEMPERATURE AND SOLID STATE CHEMISTRY

Titular Members

1983-1987
Chairman
Prof. R. Metselaar

1977-1987
Secretary
Prof. P. W. Gilles SP

Members

1985-1989
Dr. J. F. Baumard

1985-1989
Prof. J. Corish

1979-1987
Prof. L. V. Gurvich

1985-1987
Dr. R. W. Ohse SP

1979-1987
Dr. M. H. Rand

Associate Members

1985-1989
Dr. Anne-Marie Anthony

1985-1989
Dr. J. B. Clark

1979-1987
Dr. J.-P. Coutures

1981-1989
Prof. J. Drowart

1985-1989
Prof. L. Gorockhov

1981-1989
Dr. J. Hastie

1979-1987
Dr. M. G. Hocking

1983-1987
Prof. L. Kihlberg

1985-1989
Prof. K. L. Komarek

1985-1989
Prof. J. Matousek

1985-1989
Dr. G. M. Rosenblatt

1983-1987
Prof. H. Yanagida

III ORGANIC CHEMISTRY DIVISION

Division Committee

President

1977-1987
Prof. J. F. Bunnett

Vice-President

1981-1987
Prof. Sukh Dev

Secretary

1985-1989
Prof. Irine P. Beletskaya

Members

1985-1989
Prof. V. Gold

1985-1989
Dr. W. Koch

1985-1989
Prof. M. Mikołajczyk

1983-1987
Prof. M. Ōki

1983-1987
Prof. R. A. Rossi

III.1 COMMISSION ON NOMENCLATURE OF ORGANIC CHEMISTRY

Titular Members

Chairman

1977-1987 Dr. G. P. Moss

Vice-Chairman

1979-1987 Prof. D. Hellwinkel

Secretary

1979-1987 Dr. W. H. Powell

Members

1979-1987 Prof. O. Achmatowicz

1979-1987 Dr. A. D. McNaught

1981-1989 Prof. R. Panico

1979-1987 Prof. J. C. Richer

1983-1987 Prof. P. A. S. Smith

Associate Members

1979-1987 Dr. K. Bláha

1983-1987 Prof. H. J. T. Bos

1981-1987 Dr. A. J. Boulton

1983-1987 Dr. P. M. Giles, Jr.

1979-1987 Mr. E. W. Godly

1983-1987 Dr. H. Gutmann

1985-1989 Dr. J. Heger

1983-1987 Dr. K. Hirayama

1979-1987 Prof. N. Lozac'h

1981-1987 Prof. J. Rigaudy

1981-1989 Mr. R. Schoenfeld

1979-1987 Dr. O. Weissbach

III.2 COMMISSION ON PHYSICAL ORGANIC CHEMISTRY

Titular Members

Chairman

1983-1987 Prof. V. Gold

Secretary

1981-1989 Dr. R. A. Y. Jones

Members

1981-1989 Prof. E. A. Halevi

1985-1989 Prof. P. Müller

1981-1987 Prof. O. M. Nefedov

1985-1989 Prof. M. Ōki

Associate Members

1985-1989 Prof. P. Van Brandt

1979-1987 Prof. M. P. Doyle

1977-1987 Prof. R. D. Guthrie

1979-1987 Dr. J. S. Littler

1985-1989 Dr. A. K. Maltsev

1977-1989 Prof. J. March

1985-1989 Prof. K. Schwetlick

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III.3 COMMISSION ON PHOTOCHEMISTRY

Titular Members

Chairman

1981-1989 Prof. J. Michl

Secretary

1983-1987 Prof. Silvia E. Braslavsky

Members

1985-1989 Dr. D. F. Eaton

1983-1987 Prof. H. Iwamura

1985-1989 Prof. M. G. Kuzmin

1979-1987 Prof. K. Tokumaru

Associate Members

1985-1989 Dr. R. Bonneau

1983-1987 Dr. A. Heller

1985-1989 Prof. C. B. Moore

1985-1989 Prof. J. W. Verhoeven

1981-1987 Prof. F. Wilkinson

1985-1989 Prof. M. Winnik

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IV MACROMOLECULAR DIVISION

Division Committee

President

1979-1989 Prof. T. Saegusa

Vice-President

1983-1987 Prof. W. Heitz

Secretary

1985-1989 Prof. A. D. Jenkins

Members

1985-1989 Prof. F. Ciardelli

1983-1987 Dr. P. L. Clegg

1983-1987 Prof. E. M. Pearce

1981-1987 Prof. N. A. Platé

1983-1987 Prof. P. Sigwalt

1985-1989 Prof. A. Silberberg

IV.1 COMMISSION ON MACROMOLECULAR NOMENCLATURE

Titular Members

Chairman

1979-1987 Dr. P. Kratochvíl
Secretary

1977-1987 Dr. N. M. Bikales

Members

1977-1987 Prof. G. Allegra
1983-1987 Dr. R. E. Bareiss
1979-1987 Prof. I. Mita
1985-1989 Dr. C. Noël
1979-1987 Prof. I. M. Papisov
1981-1989 Prof. U. W. Suter

Associate Members

1981-1989 Prof. D. Braun
1983-1987 Prof. J. M. G. Cowie
1985-1989 Prof. A. D. Jenkins
1977-1989 Dr. K. L. Loening
1983-1987 Dr. R. H. Marchessault
1983-1987 Prof. R. P. Quirk
1983-1987 Prof. P. Sigwalt
1985-1989 Dr. W. J. Work

IV.2 COMMISSION ON POLYMER CHARACTERIZATION AND PROPERTIES

Titular Members

Chairman

1985-1989 Prof. M. Mandel

Secretary

1985-1989 Mr. J. M. Cann

Members

1981-1987 Prof. L. Dulong
1977-1987 Prof. G. Hinrichsen
1985-1989 Prof. M. Jozefowicz
1983-1987 Dr. H. H. Meyer
1983-1987 Mr. P. Starck

Associate Members

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

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ANALYTICAL CHEMISTRY DIVISION

Division Committee

President

1981-1989 Prof. G. H. Nancollas

Secretary

1983-1987 Prof. G. den Boef

Members

1983-1987 Prof. J. F. Coetzee

1983-1987 Prof. H. Freiser

1983-1987 Prof. G. G. Guilbault

1983-1987 Prof. Y. Marcus

1983-1987 Prof. J. Robin

1983-1987 Prof. G. Tölg

V.1 COMMISSION ON ANALYTICAL REACTIONS AND REAGENTS

Titular Members

Chairman

1977-1987 Prof. G. Ackermann

Secretary

1983-1987 Prof. D. Thorburn Burns

Members

1985-1989 Prof. F. Ingman

1985-1989 Prof. D. L. Massart

1979-1987 Prof. S. B. Savvin

1983-1987 Prof. L. Sommer

Associate Members

1985-1989 Dr. D. Baylocq

1979-1987 Prof. G. Duyckaerts

1985-1989 Dr. St. Glab

1979-1987 Prof. A. Hulanicki

1983-1987 Prof. J. Inczédy

1985-1989 Prof. W. E. van der Linden

1985-1989 Prof. M. Takagi

1981-1987 Prof. P. C. Uden

1985-1989 Dr. G. Vigh

1985-1989 Prof. E. V. Wänninen

1985-1989 Prof. B. D. Westerlund

1985-1989 Dr. St. Glab is proposed as a Titular Member when additional Members are allowed

V.2 COMMISSION ON MICROCHEMICAL TECHNIQUES AND TRACE ANALYSIS

Titular Members

Chairman

1979-1987 Dr. B. Griepink

Secretary

1985-1989 Dr. D. E. Wells

Members

1983-1987 Prof. K. Biemann

1979-1987 Prof. E. Jackwerth

1983-1987 Dr. A. Lamotte

1981-1989 Prof. Z. Marczenko

1983-1987 Prof. Yu. A. Zolotov

Associate Members

1983-1987 Prof. K. Ballschmiter

1983-1987 Prof. R. Dams

1981-1989 Prof. K. Fuwa

1979-1987 Prof. M. Grasserbauer

1983-1987 Dr. W. Gries

1985-1989 Dr. Linscheid

1985-1989 Dr. H. Muntau

1985-1989 Dr. M. J. Pellin

1985-1989 Dr. B. Ya. Spivakov

1985-1987 Prof. A. Townshend

1983-1987 Dr. D. G. Westmoreland

V.3 COMMISSION ON ANALYTICAL NOMENCLATURE

Titular Members

Chairman

1983-1987 Prof. R. E. van Grieken

Secretary

1985-1989 Dr. C. L. Graham

Members

1983-1987 Prof. C. A. M. G. Cramers

1985-1989 Dr. L. A. Currie

1985-1989 Dr. W. Horwitz

1981-1989 Prof. D. Klockow

Associate Members

1985-1989 Dr. J. R. Devoe

1981-1987 Dr. L. S. Ettre

1985-1989 Prof. D. M. Everaers

1983-1987 Prof. G. G. Guilbault

1981-1987 Prof. E. R. Kowalski

1983-1987 Dr. M. A. Leonard

1985-1989 Dr. M. Parkany

1985-1989 Prof. D. Rabenstein

1981-1987 Dr. B. Schreiber

1985-1989 Prof. J. W. Stahl

1985-1989 Dr. M. A. Leonard is proposed as a Titular Member
when additional Members are allowed

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

Titular Members

Chairman

1983-1987 Dr. J. M. Mermet

Secretary

1983-1987 Dr. L. R. P. Butler

Members

1985-1989 Dr. W. H. Melhuish

1983-1987 Dr. Christiane S  n  maud

1985-1989 Dr. A. M. Ure

1985-1989 Prof. M. Zander

Associate Members

1983-1987 Prof. G. M. Hieftje

1985-1987 Prof. K. Laqua

1983-1987 Prof. B. V. L'vov

1983-1987 Dr. N. S. Nogar

1985-1989 Dr. N. Omenetto

1985-1989 Dr. R. Sturgeon

1985-1989 Prof. J. P. Willis

V.5 COMMISSION ON ELECTROANALYTICAL CHEMISTRY

Titular Members

Chairman

1977-1987 Prof. K. Izutsu

Vice-Chairman

1979-1987 Prof. E. Pungor

Secretary

1985-1989 Prof. M. Senda

Members

1985-1989 Dr. J. Buffle

1979-1987 Dr. J. Juillard

1985-1989 Prof. K. M. Kadish

1985-1989 Dr. R. Kalvoda

1985-1989 Prof. Sandra Rondinini Cavallari

Associate Members

1985-1987 Dr. A. K. Covington

1981-1989 Dr. W. Davison

1979-1987 Dr. R. A. Durst

1979-1987 Prof. M. Gross

1985-1989 Prof. E. Grushka

1981-1989 Prof. H. Kao

1985-1989 Prof. R. C. Kapoor

1985-1989 Dr. H. P. van Leeuwen

1979-1987 Prof. Y. Marcus

1979-1987 Prof. T. Nussini

V.5 COMMISSION ON ELECTROANALYTICAL CHEMISTRY (contd.)

1985-1989 Prof. Janet G. Osteryoung
1979-1987 Dr. N. Tanaka
1983-1987 Dr. Klára Tóth

V.6 COMMISSION ON EQUILIBRIUM DATA

Titular Members

Chairman
1979-1987 Dr. L. D. Pettit
Secretary
1981-1989 Prof. I. R. Grenthe

Members

1981-1989 Prof. E. D. Goldberg
1983-1987 Dr. I. Nagypál
1981-1989 Dr. P. Valenta
1985-1989 Prof. O. Yamauchi

Associate Members

1983-1987 Prof. S. Ahrland
1981-1989 Dr. A. C. M. Bourg
1985-1989 Prof. A. Braibanti
1979-1987 Dr. D. S. Gamble
1985-1989 Prof. T. Kaden
1983-1987 Prof. I. L. Khodakovskii
1985-1989 Prof. R. B. Martin
1983-1987 Prof. P. Paoletti
1985-1989 Prof. R. Portanova
1983-1987 Prof. D. C. Tuck

V.7 COMMISSION ON RADIOCHEMISTRY AND NUCLEAR TECHNIQUES

Titular Members

Chairman

1983-1987 Dr. J. C. White

Secretary

1983-1987 Prof. Darleane C. Hoffman

Members

1985-1989 Prof. J. Foos

1983-1987 Dr. K. S. Kasprzak

1983-1987 Prof. M. Sakanoue

1985-1989 Prof. I. Zvara

Associate Members

1983-1987 Prof. H. J. Ache

1985-1989 Prof. J.-P. Adloff

1985-1989 Prof. H. A. Das

1985-1989 Prof. H. R. von Gunten Ø

1983-1987 Prof. G. Herrmann Ø

1985-1989 Prof. Y.-F. Liu Ø

1985-1989 Mr. S. G. Luxon

1985-1989 Prof. W. Maenhaut

1985-1989 Dr. R. Parr Ø

V.8 COMMISSION ON SOLUBILITY DATA

Titular Members

Chairman

1979-1987 Prof. A. S. Kertes

Secretary

1983-1987 Dr. L. H. Gevantman

Members

1983-1987 Prof. R. Battino

1979-1987 Prof. H. L. Clever

1983-1987 Prof. D. G. Shaw

1979-1987 Dr. C. L. Young

Associate Members

1983-1987 Prof. A. F. M. Barton

1985-1989 Prof. C. Y. Chan

1985-1989 Dr. Marie-Thérèse Cohen-Adad

1979-1987 Prof. R. Cohen-Adad

1985-1989 Prof. J. J. Counioux

1983-1987 Dr. P. G. T. Fogg

1979-1987 Prof. F. W. Getzen

1983-1987 Prof. W. Hayduk

1985-1989 Dr. G. T. Hefter

1983-1987 Prof. J. W. Lorimer

1985-1989 Dr. A. Maczynski

1981-1989 Dr. A. N. Paruta

1983-1987 Dr. M. Salomon

1979-1987 Prof. P. W. Schindler

1983-1987 Dr. A. Szafranski

1983-1987 Prof. R. P. T. Tomkins



V.8 COMMISSION ON SOLUBILITY DATA (contd.)

1985-1989 Prof. R. Cohen-Adad is proposed as a Titular
Member when additional Members
are allowed

VI APPLIED CHEMISTRY DIVISION

Division Committee

President

1979-1989 Dr. P. C. Kearney

Secretary

1981-1989 Dr. L. E. Coles

Members

1985-1989 Prof. G. Billek

1983-1987 Dr. D. Firestone

1985-1989 Dr. S. Gorbach

1985-1989 Dr. R. Greenhalgh

1983-1987 Mr. K. Leichnitz

1985-1989 Prof. J. Pokorný

VI.1 COMMISSION ON FOOD CHEMISTRY

Titular Members

Chairman

1983-1987 Dr. A. E. Pohland

Vice-Chairman

1979-1987 Dr. P. S. Steyn

Secretary

1983-1987 Dr. D. L. Park

Members

1985-1989 Dr. R. Battaglia

1983-1987 Prof. P. Krogh

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

Associate Members

1979-1987 Prof. M. J.-J. Castegnaro

1983-1987 Dr. H. B. S. Conacher

1985-1989 Prof. C. Eriksson

1985-1989 Dr. J. Fremy

1983-1987 Prof. M. Jemmali

1983-1987 Dr. M. E. Knowles

1983-1987 Dr. S. J. Kubacki

1983-1987 Dr. R. Livingston

1985-1989 Dr. T. Yasumoto

VI.2 COMMISSION ON BIOTECHNOLOGY

Titular Members

Chairman

1983-1987 Prof. M. Ringpfeil

Secretary

1983-1987 Dr. G. G. Stewart

Members

Associate Members

1983-1987 Dr. P. P. Gray

1983-1987 Prof. M. Linko

1983-1987 Prof. R. C. Righelato

VI.3 COMMISSION ON OILS, FATS, AND DERIVATIVES

Titular Members	
	Chairman
1985-1987	Dr. Ö. Levin
	Vice-Chairman
1977-1987	Dr. A. Hautfenne
	Secretary
1983-1987	Mr. W. D. Pocklington
Members	
1985-1989	Dr. Joyce L. Beare-Rogers
1985-1989	Dr. Éva Kurucz
1979-1987	Prof. H. Wessels
Associate Members	
1981-1989	Dr. A. Dieffenbacher
1981-1987	Prof. E. Fedeli
1985-1989	Dr. T. Hashimoto
1985-1989	Dr. Gunhild Hølmer
1983-1987	Mile. Brigitte Jacobsberg
1985-1989	Dr. A. Karleskind
1983-1987	Drs. F. H. Koelman
1983-1987	Dr. R. G. Manning
1985-1989	Dr. R. Ohlson
1979-1987	Dr. M. Teupel
1981-1987	Mrs. Anneli Visapää
1981-1987	Dr. G. Zwerenz

VI.4 COMMISSION ON ATMOSPHERIC CHEMISTRY

Titular Members	
	Chairman
1983-1987	Mr. K. Leichnitz
	Vice-Chairman
1983-1987	Prof. J. G. Calvert
	Secretary
1983-1987	Dr. C. J. Purnell
Members	
1985-1989	Dr. S. A. Penkett
1983-1987	Prof. H. I. Schiff
1985-1989	Dr. J. Slanina
Associate Member	
1985-1989	Dr. M. Sauté

VI.5 COMMISSION ON PESTICIDE CHEMISTRY

Titular Members

Chairman

1977-1987 Mr. J. A. R. Bates
Secretary

1985-1989 Dr. T. R. Roberts

Members

1983-1987 Dr. N. Aharonson
1983-1987 Dr. A. Ambrus
1985-1989 Dr. Ludmilla A. Golovleva
1985-1989 Dr. R. Hollingworth
1983-1987 Prof. W. Klein
1985-1989 Dr. J. W. Vonk

Associate Members

1979-1987 Dr. H. O. Esser
1979-1987 Dr. R. J. Hemingway
1983-1987 Prof. N. Kurihara
1983-1987 Dr. W. B. Neely
1983-1987 Dr. S. Otto
1983-1987 Prof. J. Seiber
1983-1987 Dr. D. B. Sharp

VI.6 COMMISSION ON WATER CHEMISTRY

Titular Members

Chairman

1983-1987 Mr. L. G. Lindfors
Secretary

1983-1987 Mr. J. A. Tetlow

Members

1983-1987 Prof. W. Eckenfelder
1983-1987 Prof. F. Malz
1983-1987 Dr. Nicole Strupler

Associate Members

1985-1989 Dr. A. J. Dobbs
1985-1989 Dr. Miriam Waldman

VII CLINICAL CHEMISTRY DIVISION

Division Committee

President

1979-1987 Dr. S. S. Brown

Vice-President

1981-1987 Prof. N. Montalbetti

Past-President

1979-1987 Prof. F. W. Sunderman, Jr.

Secretary

1985-1989 Dr. J. Järvisalo

Members

1985-1989 Dr. S. Cavalleri 0

1981-1987 Prof. V. N. Titov

1981-1987 Prof. D. J. Vonderschmitt

1985-1989 Dr. O. Zinder

VII.1 COMMISSION ON AUTOMATION AND CLINICAL CHEMICAL TECHNIQUES

Titular Members

Chairman

1981-1987 Prof. R. Haeckel

Secretary

1983-1987 Mr. T. D. Geary

Members

1983-1987 Prof. P. Bonini

1981-1987 Dr. C. A. Burtis

1985-1989 Dr. H. Greenwood

Associate Members

1983-1987 Dr. J. Bierens de Haan

1983-1987 Prof. M. Hjelm

VII.2 COMMISSION ON QUANTITIES AND UNITS

Titular Members

Chairman

1979-1987 Dr. H. P. Lehmann

Members

1983-1987 Dr. D. R. Bangham

1983-1987 Prof. L. F. Bertello

1983-1987 Dr. G. Féraud

1985-1989 Mr. M. Lauritzen Ø

1985-1989 Dr. H. Olesen

Associate Members

1983-1987 Dr. C. Onkelinx

1983-1987 Prof. O. Siggaard-Andersen

1985-1989 Prof. C.-H. de Verdier Ø

1985-1989 Dr. B. F. Visser

1983-1987 Dr. U. Worsaae

1981-1987 Dr. R. Zender

VII.3 COMMISSION ON TEACHING

Titular Members

Chairman

1979-1987 Prof. O. Zinder

Secretary

1979-1987 Dr. H. G. J. Worth

Members

1985-1989 Dr. A. Deom

1981-1987 Dr. C. G. Fraser

Associate Members

1985-1989 Dr. M. A. Drosdowsky

1985-1989 Dr. P. Garcia Webb

1983-1987 Prof. N. Montalbetti

1983-1987 Dr. C. J. Porter

1979-1987 Prof. B. Straus

1981-1989 Prof. V. N. Titov

1981-1989 Prof. R. Vihko Ø

1983-1987 Dr. C. W. H. Walker

VII.4 COMMISSION ON TOXICOLOGY

Titular Members

Chairman

1977-1987 Prof. J. Savory

Secretary

1977-1987 Prof. D. B. Tonks

Members

1985-1989 Prof. Ph. Grandjean

1981-1987 Prof. Mirna Mikač-Dević

1983-1987 Dr. E. Nieboer

1979-1987 Dr. M. Stoeppler

1983-1987 Dr. Y. Thomassen

Associate Members

1983-1987 Prof. A. Aitio

1985-1989 Mr. Ch. Bozec Ø

1985-1989 Dr. Rita Cornelis

1985-1989 Dr. R. Herber Ø

1981-1987 Dr. S. Nomoto

1983-1987 Dr. D. Shapcott

1985-1989 Dr. B. Welz Ø