

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 41st MEETING OF BUREAU

Convention Center, Davos: 10 September 1979

Present: Prof. H. Zollinger (Chairman), Dr. J.W. Barrett, Prof. A.R.H. Cole, Prof. Y. Jeannin, Prof. V.A. Koptug, Prof. J. Michalski, Prof. S. Nagakura, Prof. G. Ourisson, Prof. C.G. Overberger, Prof. A. Perez-Masiá, Prof. C.N.R. Rao, Prof. G. Smets, Prof. D.B. Tonks, Prof. A.A. Vlček (Elected Members); Prof. N. N. Greenwood, Prof. S. Itô, Dr. T. S. West, Prof. H. Suomalainen (Division Presidents)

Absent: Prof. O. Horn, Prof. A. Kjaer, Prof. H. G. Wagner (Elected Members); Prof. N. Sheppard, Prof. V. A. Kabanov, Dr. R. Gräsbeck (Division Presidents)

In Attendance: Dr. M. Roth (Past-President, Clinical Chemistry Division), Dr. M. Williams (Executive Secretary), Miss A. Troughton (Assistant Secretary)

15/79 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Prof. Zollinger welcomed the new Members to their first Bureau meeting. He invited everyone to make an input in advance of future meetings in order to assist in reaching decisions on the day.

The Agenda drawn up by the Executive Secretary was approved, except that the President asked for there to be discussion of "International Symposium on Synthesis and Properties of New Elements" under "Any Other Business".

16/79 ELECTION OF TWO EXECUTIVE COMMITTEE MEMBERS

Prof. Zollinger proposed as candidates to fill the two vacancies for Elected Members of the Bureau on the Executive Committee, Prof. J. Michalski and Prof. A. Perez-Masiá.

In accordance with Statute 8.2, the election took form of a written and secret ballot, with Prof. Ourisson and Dr. Roth appointed as Tellers by the President:

| | |
|----------------------|----|
| Prof. J. Michalski | 17 |
| Prof. A. Perez-Masiá | 17 |

Total voting 18, simple majority 10 (1 invalid voting paper)

Profs. Michalski and Perez-Masiá were declared elected to fill the two vacancies.

17/79 APPROVAL OF NEW MEMBERS OF DIVISION COMMITTEES AND COMMISSIONS

It was Resolved that:

- (i) the nominations in Appendix A for new Members of Division Committees be approved, the terms of service to be 4 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 be approved, the terms of service to be 4 years (Bylaw 4.304);
- (iii) the proposals in Appendix A for Reelection of Titular and

Associate Members to Commissions for a further 2 or 4 years in the same category of membership (Bylaw 4.304) be approved;

- (iv) the proposals in Appendix A for new Officers of Commissions (Bylaw 4.303) be approved;
- (v) because of the poor financial forecast for 1980 and 1981 and the need for all IUPAC bodies to solicit external funds to subsidize their work (Minute 8/79, 30th Council-Davos), an increase above the normal 8 Associate Members (Bylaw 4.304) be allowed until 1981 for Commissions I.4 (to 9), I.6 (to 9), II.2 (to 11), II.3 (to 11), III.1 (to 12), IV.1 (to 9), V.1 (to 9), V.2 (to 10), V.3 (to 9), V.5 (to 12), V.7 (to 11);
- (vi) as an exception to Bylaw 4.304 (ii), the reappointment of Dr. J.E. Lane as an Associate Member of Commission I.4 be allowed during 1979-1983 because his service in that category of membership will thereby total only 6 years;
- (vii) as an exception to Bylaw 4.304 (ii), the reappointment of Dr. K. Ch. Buschbeck as an Associate Member of Commission II.2 be allowed during 1979-1983 because his service in that category of membership will thereby total only 6 years;
- (viii) in accordance with Bylaw 4.103, the appointment of Prof. A.A. Vlček as an ordinary Member of the Inorganic Chemistry Division Committee be allowed during 1979-1981 because his total service as Secretary, Vice-President, and as an ordinary Member will thereby total only 10 years;
- (ix) for exceptional reasons (Bylaw 4.304) proposed by Prof. Greenwood, the Titular Membership on Commission II.1 of Prof. W.H. Johnson be extended beyond 8 consecutive years until 1981 (to complete a report on isotopic abundance values of nonterrestrial materials);
- (x) for exceptional reasons (Bylaw 4.304) proposed by Prof. Greenwood, the Titular Membership of Prof. J. Chatt on Commission II.2 be further extended beyond a total of 8 years until 1981 (to provide continuity in leadership at the start of the major revision of the 1971 edition of Nomenclature of Inorganic Chemistry), and the Associate Membership of Dr. C. Schäffer on Commission II.2 be extended beyond 8 consecutive years until 1981 (for him to act as Chairman of a Working Party on revision of Nomenclature of Inorganic Chemistry);
- (xi) for exceptional reasons (Bylaw 4.304) proposed by Prof. Itô, the Titular Membership of Prof. J. Rigaudy on Commission III.1 be further extended beyond 8 consecutive years until 1981 (to provide continuity in leadership during a period when several new Titular Members have been appointed);
- (xii) as an exception to Bylaw 4.304 (ii), the reappointment of Prof. F. Vögtle as an Associate Member of Commission III.1 be allowed during 1979-1983 thereby bringing his service in that category of membership to a total of 9 years;
- (xiii) for exceptional reasons (Bylaw 4.304) proposed in a letter (dated 79.09.07) from Prof. A.D. Jenkins and supported by Prof. Kabanov, the Titular Membership of Prof. W. Ring on Commission IV.1 be extended beyond 8 consecutive years until 1981 (to continue participation in two major nomenclature projects which would otherwise suffer a major setback);
- (xiv) as an exception to Bylaw 4.304 (ii), the reappointments as Associate Members of Prof. S. Gomišček and Dr. M. Pinta to

Commission V.2 and of Prof. N. Tanaka to Commission V.5 be allowed during 1979-1983 because their service in that category of membership will thereby total only 6 years;

- (xv) as a further exception to Bylaw 4.304 (ii), the Associate Membership of Prof. H.M.N.H. Irving on Commission V.3 be extended until 1981 when his service in that category of membership will reach a total of 8 years;
- (xvi) for exceptional reasons (Bylaw 4.304) proposed by Dr. West, the Titular Membership of Dr. D.D. Perrin on Commission V.6 be extended beyond 8 consecutive years until 1981 (to ensure continuity on the stability constants data project while a new leader is initiated);
- (xvii) for exceptional reasons (Bylaw 4.304) proposed by Dr. West the reappointment to Commission V.7 be allowed of Dr. M.B.A. Crespi as a Titular Member during 1979-1983 thereby bringing his service in that category of membership to a total of 14 years, and the Associate Membership of Dr. G.B. Cook be extended beyond 8 consecutive years until 1981 (both former Officers, to help improve the present weak position of the Commission);
- (xviii) for exceptional reasons (Bylaw 4.304) proposed by Prof. Suomalainen, the Associate Membership of Mr. E.A. Walker on Commission VI.1 and of Dr. F. Parisi on Commission VI.2 be extended beyond 8 consecutive years until 1981;
- (xix) for exceptional reasons (Bylaw 4.304) proposed by Dr. Roth, the Titular Membership of Prof. R. Herrmann on Commission VII.2 be extended beyond 8 consecutive years until 1981 (to complete project work already in progress);
- (xx) in accordance with the spirit of Bylaw 4.304 (iii), Dr. West should provide details of those Titular and Associate Members of Commissions in the Analytical Chemistry Division whose period of service had been terminated early because of inactivity;
- (xxi) the Executive Secretary be delegated the responsibility on behalf of the Bureau, for checking carefully all new membership lists for Division Committees and Commissions and to advise the Executive Committee of any inconsistencies not so far detected with respect to the IUPAC Statutes and Bylaws.

18/79 INTERNATIONAL SYMPOSIUM ON SYNTHESIS AND PROPERTIES
 OF NEW ELEMENTS

Prof. Zollinger reported that the granting of IUPAC sponsorship must be delayed further because the requested details of the invited lecturers were not yet available from Prof. N.M. Emanuel (Minute 16.2/79, 93rd Executive Committee-Davos). Prof. Ourisson suggested that Prof. Overberger might check personally with Prof. G.T. Seaborg whether any invitations had been received and accepted by US experts.

19/79 DATE AND PLACE OF NEXT MEETING

The Bureau accepted the proposal of the President to hold its 1980 meeting at Eidgenössische Technische Hochschule Zürich with the following schedule:

| | |
|---------------------|---------------|
| Division Presidents | 30 August |
| Executive Committee | 31 August |
| Bureau | 1-2 September |

* * * * *

CHAIRMAN: A. Keller

DATE: Sept 1st, 1980

APPENDIX A

* APPROVAL OF NEW MEMBERS OF IUPAC BODIES

Ø REELECTION OF MEMBERS OF IUPAC BODIES
FOR FURTHER 2 OR 4 YEARS

X APPROVAL OF NEW OFFICERS OF IUPAC BODIES

Physical Chemistry Division Committee

| | | |
|----------|----------------------|-------------|
| Members: | R.S. Hansen (USA) | 1979-1983 * |
| | D.R. Lide, Jr. (USA) | 1979-1983 * |
| | K.I. Zamaraev (USSR) | 1979-1983 * |

Commission I.1 (Physicochemical Symbols, Terminology, & Units)

| | | |
|------------------|-------------------------------|-------------|
| Titular Members: | I. Ansara (France) | 1975-1983 Ø |
| | | Secretary X |
| | D.H.W. den Boer (Netherlands) | 1979-1983 * |
| | K.H. Homann (FRG) | 1979-1983 * |
| | K. Kuchitsu (Japan) | 1979-1983 * |

Associate

| | | |
|----------|--------------------------|-------------|
| Members: | E.R. Cohen (USA) | 1979-1983 * |
| | E.T. Denisov (USSR) | 1979-1983 * |
| | J. Koefoed (Denmark) | 1979-1983 * |
| | A. Perez-Masiá (Spain) | 1975-1983 Ø |
| | A. Schuyff (Netherlands) | 1979-1983 * |
| | K.G. Weil (FRG) | 1979-1983 * |

Commission I.2 (Thermodynamics)

| | | |
|------------------|----------------------|-------------|
| Titular Members: | G.M. Schneider (FRG) | 1975-1983 Ø |
| | Y. Takahashi (Japan) | 1975-1983 Ø |
| | I. Wadsö (Sweden) | 1973-1981 Ø |

Associate

| | | |
|----------|-----------------------|-------------|
| Members: | M. Diaz-Peña (Spain) | 1975-1983 Ø |
| | P. Franzosini (Italy) | 1975-1983 Ø |
| | C.E. Vanderzee (USA) | 1975-1983 Ø |

Commission I.3 (Electrochemistry)

| | | |
|------------------|--------------------------|-----------------|
| Titular Members: | R. Parsons (France) | 1971-1981 Ø |
| | | Chairman X |
| | A. Bard (USA) | 1975-1983 Ø |
| | | Vice-Chairman X |
| | J.C. Justice (France) | 1975-1983 Ø |
| | K.E. Heusler (FRG) | 1975-1983 Ø |
| | J. Kůta (Czechoslovakia) | 1975-1983 Ø |
| | S. Trasatti (Italy) | 1975-1983 Ø |

Associate

| | | |
|----------|------------------------|-------------|
| Members: | E. Budevski (Bulgaria) | 1979-1983 * |
| | G. Gritzner (Austria) | 1979-1983 * |
| | H. Holtan (Norway) | 1975-1983 Ø |
| | N. Ibl (Switzerland) | 1979-1983 * |
| | M. Keddam (France) | 1979-1983 * |
| | R. Tamamushi (Japan) | 1975-1983 Ø |

Commission I.4 (Physicochemical Measurements & Standards)

| | | |
|--------------------|------------------------|-------------|
| Titular Members: | J.P. Cali (USA) | Chairman X |
| | K.N. Marsh (Australia) | 1979-1983 * |
| | H. Feuerburg (FRG) | Secretary X |
| | E. Juhász (Hungary) | 1975-1983 Ø |
| | G. Milazzo (Italy) | 1975-1983 Ø |
| Associate Members: | D. Ambrose (UK) | 1979-1983 * |
| | L. Crovini (Italy) | 1979-1983 * |
| | R.P. Graham (Canada) | 1975-1981 Ø |
| | Jacomo (France) | 1979-1983 * |
| | O. Suschny (Austria) | 1975-1981 Ø |

Commission I.5 (Molecular Structure & Spectroscopy)

| | | |
|--------------------|------------------------|-------------|
| Titular Members: | E.D. Becker (USA) | 1973-1981 Ø |
| | G. Zerbi (Italy) | 1973-1981 Ø |
| | V.A. Koptug (USSR) | 1975-1983 Ø |
| | C. Sandorfy (Canada) | 1975-1983 Ø |
| | J.F.J. Todd (UK) | 1979-1983 * |
| | D.W. Turner (UK) | 1975-1983 Ø |
| Associate Members: | P. Diehl (Switzerland) | 1975-1981 Ø |
| | F. Dörr (FRG) | 1975-1981 Ø |
| | H. Ratajczak (Poland) | 1979-1983 * |
| | H.A. Willis (UK) | 1975-1981 Ø |

Commission I.6 (Colloid & Surface Chemistry including Catalysis)

| | | |
|--------------------|----------------------------------|-----------------|
| Titular Members: | J. Lyklema (Netherlands) | 1975-1983 Ø |
| | J. Haber (Poland) | Chairman X |
| | M. Kerker (USA) | Vice-Chairman X |
| | R.G. Hansen (USA) | Secretary X |
| | M.W. Roberts (UK) | 1975-1983 Ø |
| | E. Wolfram (Hungary) | 1975-1983 Ø |
| | | 1979-1983 * |
| Associate Members: | J.H. Block (FRG) | 1979-1983 * |
| | N. Churaev (USSR) | 1979-1983 * |
| | R.J. Hunter (Australia) | 1979-1983 * |
| | P. Mukerjee (USA) | 1975-1983 Ø |
| | H. van Olphen (Netherlands) | 1975-1981 Ø |
| | K.S.W. Sing (UK) | 1979-1983 * |
| | L. Ter-Minassian-Saraga (France) | 1975-1983 Ø |

Inorganic Chemistry Division Committee

| | | |
|----------|---------------------------|-------------|
| Members: | M.L. Good (USA) | 1979-1983 * |
| | L.F. Bertello (Argentina) | 1979-1983 * |
| | B.F. Myasoedov (USSR) | 1979-1983 * |
| | E. Roth (France) | 1979-1983 * |

Commission II.1 (Atomic Weights & Isotopic Abundances)

| | | |
|------------------|-------------------------|-------------|
| Titular Members: | N.E. Holden (USA) | Chairman X |
| | R.L. Martin (Australia) | 1975-1983 Ø |
| | R.C. Barber (Canada) | Secretary X |
| | I.L. Barnes (USA) | 1979-1983 * |
| | R. Hagemann (France) | 1975-1983 Ø |
| | T.J. Murphy (USA) | 1979-1983 * |

| | | | |
|--------------------|----------------------------|-----------|---|
| Associate Members: | S. Fujiwara (Japan) | 1975-1981 | Ø |
| | R. Gonfiantini (Austria) | 1979-1983 | * |
| | N.N. Greenwood (UK) | 1975-1983 | Ø |
| | J.R. de Laeter (Australia) | 1979-1983 | * |
| | H.S. Peiser (USA) | 1975-1981 | Ø |

Commission II.2 (Nomenclature of Inorganic Chemistry)

| | | | |
|------------------|---------------------------|---------------|---|
| Titular Members: | Y. Jeannin (France) | 1971-1981 | Ø |
| | | Vice-Chairman | |
| | T.D. Coyle (USA) | 1979-1983 | * |
| | | Secretary X | |
| | D.H. Busch (USA) | 1979-1983 | * |
| | E. Fluck (FRG) | 1979-1983 | * |
| | P. Fodor-Csányi (Hungary) | 1979-1983 | * |
| | J. Reedijk (Netherlands) | 1979-1983 | * |

| | | | |
|--------------------|--------------------------|-----------|---|
| Associate Members: | R.M. Adams (USA) | 1975-1981 | Ø |
| | G.B. Bokij (USSR) | 1979-1983 | * |
| | W.C. Fernelius (USA) | 1975-1981 | Ø |
| | E.W. Godly (UK) | 1979-1983 | * |
| | A. Romao Dias (Portugal) | 1979-1983 | * |
| | T.E Sloan (USA) | 1979-1983 | * |

Commission II.3 (High Temperatures & Refractory Materials)

| | | | |
|------------------|------------------------|-------------|---|
| Titular Members: | K.L. Komarek (Austria) | Chairman X | |
| | P.W. Gilles (USA) | Secretary X | |
| | L.V. Gurvich (USSR) | 1979-1983 | * |
| | G. Petzow (FRG) | 1979-1983 | * |
| | M.H. Rand (UK) | 1979-1983 | * |

| | | | |
|--------------------|----------------------------|-----------|---|
| Associate Members: | C.B. Alcock (Canada) | 1979-1983 | * |
| | J.P. Coutures (France) | 1979-1983 | * |
| | M.G. Hocking (UK) | 1979-1983 | * |
| | R. Metselaar (Netherlands) | 1979-1983 | * |

Organic Chemistry Division Committee

| | | | |
|----------|----------------|-----------|---|
| Members: | C.W. Rees (UK) | 1979-1983 | * |
|----------|----------------|-----------|---|

Commission III.1 (Nomenclature of Organic Chemistry)

| | | | |
|------------------|-------------------------|-----------------|---|
| Titular Members: | G.P. Moss (UK) | Vice-Chairman X | |
| | W.H. Powell (USA) | 1979-1983 | * |
| | | Secretary X | |
| | O. Achmatowicz (Poland) | 1979-1983 | * |
| | D. Hellwinkel (FRG) | 1979-1983 | * |
| | K. Hirayama (Japan) | 1975-1983 | Ø |
| | A.D. McNaught (UK) | 1979-1983 | * |
| | J.C. Richer (Canada) | 1979-1983 | * |

| | | | |
|--------------------|---------------------------|-----------|---|
| Associate Members: | K. Bláha (Czechoslovakia) | 1979-1983 | * |
| | D. Eckroth (USA) | 1975-1983 | Ø |
| | J.H. Fletcher (USA) | 1975-1983 | Ø |
| | E.W. Godly (UK) | 1979-1983 | * |
| | S.P. Klesney (USA) | 1979-1983 | * |
| | K.L. Loening (USA) | 1979-1983 | * |
| | N. Lozac'h (France) | 1979-1983 | * |
| | R. Panico (France) | 1979-1983 | * |
| | P.A.S. Smith (USA) | 1979-1983 | * |
| | O. Weissbach (FRG) | 1979-1983 | * |

Commission III.2 (Physical Organic Chemistry)

Titular Members: J.F. Bunnett (USA) 1973-1981 Ø
J.R. Penton (Switzerland) 1973-1981 Ø
V. Gold (UK) 1973-1981 Ø
J. Toullec (France) 1973-1981 Ø

Associate

Members: M.P. Doyle (USA) 1979-1983 *
J.S. Littler (UK) 1979-1983 *

Commission III.3 (Photochemistry)

Titular Members: K. Schaffner (FRG) 1971-1981 Ø
Chairman
F.C. de Schryver (Belgium) 1975-1983 Ø
K. Tokumaru (Japan) 1979-1983 *
M. Wrighton (USA) 1975-1983 Ø

Associate

Members: H. Iwamura (Japan) 1979-1983 *
D.W. Turner (UK) 1975-1983 Ø

Commission III.4 (Medicinal Chemistry)

Titular Members: J.F. Cavalla (UK) 1975-1981 Ø
E. Mutschler (FRG) 1975-1981 Ø
H. Timmerman (Netherlands) 1979-1983 *
C.G. Wermuth (France) 1979-1983 *

Associate

Members: J.L.G. Nilsson (Sweden) 1979-1983 *
B. Serafin (Poland) 1979-1983 *

Macromolecular Division Committee

Members: H. Höcker (FRG) 1979-1983 *
R.H. Marchessault (Canada) 1979-1983 *
T. Saegusa (Japan) 1979-1983 *
J.K. Stille (USA) 1979-1983 *
A. Valvassori (Italy) 1979-1983 *

Commission IV.1 (Macromolecular Nomenclature)

Titular Members: A.D. Jenkins (UK) 1975-1983 Ø
N.M. Bikales (USA) Secretary X
P. Kratochvíl (Czechoslovakia) 1979-1983 *
I. Mita (Japan) 1979-1983 *
I. Papissov (USSR) 1979-1983 *
P. Sigwalt (France) 1975-1983 Ø

Associate

Members: R.B. Fox (USA) 1979-1983 *
S. Penczek (Poland) 1979-1983 *
N.A. Platé (USSR) 1979-1983 *
U. Suter (Switzerland) 1979-1983 *
T. Tsuruta (Japan) 1979-1983 *

Commission IV.2 (Polymer Characterization & Properties)

Titular Members: J.W. Barrett (UK) 1975-1981 Ø
P.L. Clegg (UK) 1975-1981 Ø
Th. G. Scholte (Netherlands) 1975-1981 Ø

| | | |
|-----------|-------------------|-------------|
| Associate | | |
| Members: | G. Allen (UK) | 1979-1983 * |
| | C.H. Bamford (UK) | 1979-1983 * |
| | G.W. Becker (FRG) | 1979-1983 * |
| | H.H. Meyer (FRG) | 1979-1983 * |

Analytical Chemistry Division Committee

| | | |
|----------|---------------------------|-------------|
| Members: | R.G. Bates (USA) | 1979-1983 * |
| | T. Fujinaga (Japan) | 1979-1983 * |
| | M. Grasserbauer (Austria) | 1979-1983 * |
| | A. Hulanicki (Poland) | 1979-1983 * |
| | Yu. A. Zolotov (USSR) | 1979-1983 * |

Commission V.1 (Analytical Reactions & Reagents)

| | | |
|------------------|---------------------------|-------------|
| Titular Members: | J. Inczédy (Hungary) | 1975-1983 Ø |
| | | Chairman X |
| | G. Den Boef (Netherlands) | Secretary X |
| | S.B. Savvin (USSR) | 1979-1983 * |

Associate

| | | |
|----------|-------------------------|-------------|
| Members: | J. Buffle (Switzerland) | 1979-1983 * |
| | G. Duyckaerts (Belgium) | 1979-1983 * |
| | M. Guernet (France) | 1979-1983 * |
| | A. Hulanicki (Poland) | 1979-1983 * |
| | F. Ingman (Sweden) | 1979-1983 * |

Commission V.2 (Microchemical Techniques & Trace Analysis)

| | | |
|------------------|---------------------------|-------------|
| Titular Members: | G. Tölg (FRG) | 1975-1983 Ø |
| | | Chairman X |
| | A. Townshend (UK) | Secretary X |
| | B. Griepink (Netherlands) | 1979-1983 * |
| | E. Jackwerth (FRG) | 1979-1983 * |
| | A. Mizuike (Japan) | 1973-1981 Ø |
| | E.A. Terent'eva (USSR) | 1973-1981 Ø |

Associate

| | | |
|----------|---------------------------|-------------|
| Members: | O.H.J. Christie (Norway) | 1979-1983 * |
| | M. Grasserbauer (Austria) | 1979-1983 * |
| | N.P. Ilyin (USSR) | 1979-1983 * |
| | A. Lamotte (France) | 1979-1983 * |
| | M. Pinta (France) | 1979-1983 * |

Commission V.3 (Analytical Nomenclature)

| | | |
|------------------|-------------------------|-------------|
| Titular Members: | G.G. Guilbault (USA) | Chairman X |
| | G. Svehla (UK) | 1975-1983 Ø |
| | | Secretary X |
| | R.W. Frei (Netherlands) | 1979-1983 * |
| | N.M. Rice (UK) | 1973-1981 Ø |
| | W. Simon (Switzerland) | 1979-1983 * |

Associate

| | | |
|----------|--|-------------|
| Members: | C.A.M.G. Cramers (Netherlands) | 1979-1983 * |
| | D. Dyrssen (Sweden) | 1979-1983 * |
| | R. van Grieken (Belgium) | 1979-1983 * |
| | H.M.N.H. Irving (Republic of South Africa) | 1975-1981 Ø |
| | G.F. Kirkbright (UK) | 1979-1983 * |
| | H. Zettler (FRG) | 1979-1983 * |

Commission V.4 (Spectrochemical & Other Optical Procedures for Analysis)

| | | | |
|--------------------|---|-----------|----------|
| Titular Members: | J. Robin (France) | 1971-1981 | Ø |
| | | | Chairman |
| | K. Laqua (FRG) | 1975-1983 | Ø |
| | W.H. Melhuish (New Zealand) | 1975-1983 | Ø |
| | A. Strasheim (Republic of South Africa) | 1975-1983 | Ø |
| | M. Zander (FRG) | 1979-1983 | * |
| Associate Members: | C. Th.J. Alkemade (Netherlands) | 1975-1983 | Ø |
| | R. Müller (Switzerland) | 1979-1983 | * |

Commission V.5 (Electroanalytical Chemistry)

| | | | |
|--------------------|----------------------|-----------|-------------|
| Titular Members: | J.F. Coetzee (USA) | 1971-1981 | Ø |
| | | | Chairman X |
| | J. Jordan (USA) | 1975-1983 | Ø |
| | | | Secretary X |
| | J. Juillard (France) | 1979-1983 | * |
| | E. Pungor (Hungary) | 1979-1983 | * |
| Associate Members: | R.A. Durst (USA) | 1979-1983 | * |
| | M. Gross (France) | 1979-1983 | * |
| | K.M. Kadish (USA) | 1979-1983 | * |
| | Y. Marcus (Israel) | 1979-1983 | * |
| | L. Meites (USA) | 1975-1983 | Ø |
| | T. Mussini (Italy) | 1979-1983 | * |
| | H.W. Nürnberg (FRG) | 1979-1983 | * |
| | M. Senda (Japan) | 1979-1983 | * |
| | D. Smith (USA) | 1979-1983 | * |
| | N. Tanaka (Japan) | 1979-1983 | * |

Commission V.6 (Equilibrium Data)

| | | | |
|--------------------|---------------------------|-----------|----------|
| Titular Members: | G.H. Nancollas (USA) | 1971-1981 | Ø |
| | | | Chairman |
| | W.A.E. McBryde (Canada) | 1979-1983 | * |
| | L.D. Pettit (UK) | 1979-1983 | * |
| Associate Members: | A.S. Kertes (Israel) | 1979-1983 | * |
| | J. Starý (Czechoslovakia) | 1979-1983 | * |

Commission V.7 (Analytical Radiochemistry & Nuclear Materials)

| | | | |
|--------------------|------------------------------|-----------|---|
| Titular Members: | M. Sankar Das (India) | Chairman | X |
| | F. Lux (FRG) | Secretary | X |
| | M. de Bruin (Netherlands) | 1979-1983 | * |
| | T.A. Rafter (New Zealand) | 1975-1981 | Ø |
| | E.A. Schweikert (USA) | 1979-1983 | * |
| Associate Members: | D. Comar (France) | 1979-1983 | * |
| | L. Górski (Poland) | 1979-1983 | * |
| | J. Hislop (UK) | 1979-1983 | * |
| | K.H. Lieser (FRG) | 1979-1983 | * |
| | B.F. Myasoedov (USSR) | 1979-1983 | * |
| | M. Sakanoue (Japan) | 1979-1983 | * |
| | N.E. Whitehead (New Zealand) | 1979-1983 | * |

Applied Chemistry Division Committee

| | | | |
|----------|----------------------|-----------|---|
| Members: | J. Oksanen (Finland) | 1979-1983 | * |
| | P.C. Kearney (USA) | 1979-1983 | * |

| | | |
|--|---------------------------------------|--------------------------------|
| | S.G. Luxon (UK) | 1979-1983 * |
| <u>Commission VI.1</u> (Food Chemistry) | | |
| Titular Members: | G. Billek (FRG) | 1979-1983 * Chairman X |
| | L.E. Coles (UK) | 1975-1983 Ø Vice-Chairman X |
| | M. Bergstrøm-Nielsen (Denmark) | 1979-1983 * Secretary X |
| | A.D. Campbell (USA) | 1973-1981 Ø |
| | M. Jemmali (France) | 1975-1983 Ø |
| | S. Kubacki (Poland) | 1975-1983 Ø |
| | P.L. Schuller (Netherlands) | 1979-1983 * |
| | P.S. Steyn (Republic of South Africa) | 1979-1983 * |
| Associate Members: | D.E. Coffin (Canada) | 1975-1983 Ø |
| | G. Grimmer (FRG) | 1979-1983 * |
| | J.W. Howard (USA) | 1979-1983 * |
| | T. Juszkievitz (Poland) | 1979-1983 * |
| | K. Kojima (Japan) | 1979-1983 * |
| | P. Krogh (USA) | 1979-1983 * |
| | W. Krönert (FRG) | 1975-1983 Ø |
| | I.R.C. McDonald (New Zealand) | 1973-1981 Ø |
| | D. Reymond (Switzerland) | 1979-1983 * |
| | A.E. Wasserman (USA) | 1977-1983 Ø |
| <u>Commission VI.2</u> (Biotechnology) | | |
| Titular Members: | H. Dellweg (FRG) | 1975-1983 Ø Chairman X |
| | C.L. Cooney (USA) | Vice-Chairman X |
| | R.C. Righelato (UK) | 1975-1983 Ø |
| | H.T. Blachère (France) | 1979-1983 * |
| | J. Holló (Hungary) | 1975-1983 Ø |
| | J. Takahashi (Japan) | 1979-1983 * |
| Associate Members: | V.K. Eroshin (USSR) | 1975-1983 Ø |
| | A. Fiechter (Switzerland) | 1975-1983 Ø |
| | A.E. Humphrey (USA) | 1979-1983 * |
| <u>Commission VI.3</u> (Oils, Fats, & Derivatives) | | |
| Titular Members: | H. Brüsweiler (Switzerland) | 1973-1981 Ø |
| | D. Firestone (USA) | 1975-1981 Ø |
| | M. Naudet (France) | 1979-1983 * |
| | H. Wessels (FRG) | 1979-1983 * |
| Associate Members: | T. Asahara (Japan) | 1975-1981 Ø |
| | J. Gracian Tous (Spain) | 1979-1983 * |
| | E. Kurucz (Hungary) | 1979-1983 * |
| | P.R.E. Lewkowitsch (UK) | 1979-1983 * |
| | A.T. Møller (Denmark) | 1979-1983 * |
| | M. Teupel (FRG) | 1979-1983 * |
| <u>Commission VI.4</u> (Atmospheric Environment) | | |
| Titular Member: | M.M. Benarie (France) | 1979-1983 * |
| Associate Members: | K. Birett (FRG) | 1979-1983 * |
| | R. Smith (USA) | 1979-1983 * |

Commission VI.5 (Pesticide Chemistry)

| | | | |
|--------------------|------------------------------|---------------|---|
| Titular Members: | P.C. Kearney (USA) | 1973-1981 | Ø |
| | | Chairman | X |
| | J.A.R. Bates (Italy) | 1977-1981 | Ø |
| | | Vice-Chairman | X |
| | R. Greenhalgh (Canada) | 1975-1981 | Ø |
| | | Secretary | X |
| | V. Bátorá (Czechoslovakia) | 1973-1981 | Ø |
| | K.I. Beynon (UK) | 1979-1983 | * |
| | D.G. Crosby (USA) | 1973-1981 | Ø |
| | N. Drescher (FRG) | 1979-1983 | * |
| | R. Engst (GDR) | 1975-1981 | Ø |
| | S. Gorbach (FRG) | 1977-1981 | Ø |
| | P.A. Greve (Netherlands) | 1975-1981 | Ø |
| | M.A. Klisenko (USSR) | 1975-1981 | Ø |
| | J. Miyamoto (Japan) | 1973-1981 | Ø |
| Associate Members: | A. Ambrus (Hungary) | 1979-1983 | * |
| | A. Aharonson (Israel) | 1979-1983 | * |
| | J. Desmoras (France) | 1977-1981 | Ø |
| | H.O. Esser (Switzerland) | 1979-1983 | * |
| | R. Hemmingway (UK) | 1979-1983 | * |
| | S.G. Heuser (UK) | 1973-1981 | Ø |
| | W. Klein (FRG) | 1979-1983 | * |
| | G.G. Still (USA) | 1975-1981 | Ø |
| | I.S. Taylor (Australia) | 1975-1981 | Ø |
| | H.P. Thier (FRG) | 1975-1981 | Ø |
| | S.Lj. Vitorović (Yugoslavia) | 1975-1981 | Ø |
| | J.W. Vonk (Netherlands) | 1977-1981 | Ø |

Commission VI.6 (Water Quality)

| | | | |
|-------------------|------------------------------|---------------|---|
| Titular Members: | P. Schjødtz Hansen (Denmark) | Chairman | X |
| | K. Trobisch (FRG) | 1971-1981 | Ø |
| | | Vice-Chairman | |
| | V.B. Jensen (Denmark) | 1979-1983 | * |
| | | Secretary | X |
| | J. Koller (Czechoslovakia) | 1979-1983 | * |
| | R. Wagner (FRG) | 1975-1981 | Ø |
| Associate Member: | B. Göransson (Sweden) | 1975-1983 | Ø |

Commission VI.7 (Reclamation of Solid Wastes)

| | | | |
|-------------------|-----------------------------|-----------|---|
| Titular Members: | R.C. Poller (UK) | 1975-1983 | Ø |
| | | Chairman | X |
| | L.G. Lindfors (Sweden) | Secretary | X |
| | H. Grethlein (USA) | 1979-1983 | * |
| | K.J. Thomé-Kozmiensky (FRG) | 1979-1983 | * |
| Associate Member: | S.J. Pirt (UK) | 1979-1983 | * |

Clinical Chemistry Division Committee

| | | | |
|----------|---------------------------|-----------|---|
| Members: | F.W. Sunderman, Jr. (USA) | 1979-1983 | * |
| | S.S. Brown (UK) | 1979-1983 | * |

Commission VII.1 (Automation)

| | | | |
|------------------|--------------------|-----------|---|
| Titular Members: | M. Hjelm (Belgium) | 1973-1981 | Ø |
|------------------|--------------------|-----------|---|

| | | | |
|--|-----------------------------------|---------------|---------------------|
| | J. Bierens de Haan (Switzerland) | 1975-1983 | Ø |
| | J. Büttner (FRG) | 1973-1981 | Ø |
| | D.S. Young (USA) | 1971-1981 | Ø |
| | | | previously Chairman |
| Associate Member: | T.P. Whitehead (UK) | 1975-1981 | Ø |
| <u>Commission VII.2</u> (Quantities & Units) | | | |
| Titular Members: | R. Zender (Switzerland) | 1975-1983 | Ø |
| | P. Lehmann (USA) | 1979-1983 | * |
| | C. Onkelinx (USA) | 1975-1983 | Ø |
| | O. Siggaard-Andersen (Denmark) | 1975-1983 | Ø |
| Associate Members: | L.F. Bertello (Argentina) | 1979-1983 | * |
| | K. Jørgensen (Denmark) | 1975-1983 | Ø |
| | P. Métais (France) | 1975-1983 | Ø |
| <u>Commission VII.3</u> (Teaching) | | | |
| Titular Members: | C.J. Porter (Canada) | 1975-1983 | Ø |
| | M.K. Schwartz (USA) | 1975-1983 | Ø |
| | H.J. Worth (UK) | 1979-1983 | * |
| | O. Zinder (Israel) | 1979-1983 | * |
| Associate Members: | M.L. Castillo de Sanchez (Mexico) | 1979-1983 | * |
| | E. Concustell-Bas (Spain) | 1979-1983 | * |
| | B. Dastugue (France) | 1979-1983 | * |
| | D. Doschev (Bulgaria) | 1979-1983 | * |
| | B. Strauss (Yugoslavia) | 1979-1983 | * |
| <u>Commission VII.4</u> (Toxicology) | | | |
| Titular Members: | S.S. Brown (UK) | Vice-Chairman | X |
| | J. Savory (USA) | Secretary | X |
| | M. Stoepler (FRG) | 1979-1983 | * |
| Associate Members: | M.J.G. Mercier (Belgium) | 1979-1983 | * |