

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF XXVth MEETING OF BUREAU

HELD AT SAVOIA GRAND HOTEL, CORTINA D'AMPEZZO

ON

MONDAY, 7th JULY, 1969, at 13.30

PRESENT:

Dr. A.L.G. Rees - President, in the Chair
Prof. V.N. Kondratiev - Past President (in part)
Dr. R. Morf - Secretary General (in part)
Prof. J.C. Bailar, Jr. - Treasurer

Mr. P.M. Arnold)
Dr. P.R. Gendron)
Prof. V. Herout)
Prof. H. Malissa(in part))
Prof. S. Rangaswami) Elected Members
Prof. G. Sartori)
Prof. S. Shibata)
Prof. G. Smets)
Prof. H. Suomalainen)
Sir Harold Thompson)

Prof. R. Truhaut - Ex-officio Member

Dr. G. Waddington)
Prof. O. Glemser)
Prof. D.H.R. Barton) Division Presidents
Prof. O. Wichterle)
Prof. W. Kemula)
Dr. W. Gallay)

ABSENT:

Prof. J. Bénard - Vice-President
Prof. J. Lecomte)
Prof. F. Weygand) Elected Members

IN ATTENDANCE:

Prof. P.W. West - Past-President of Analytical Chemistry
Division
Dr. M. Williams - Executive Secretary
Mr. R.J.M. Ratcliffe - Assistant Secretary

A G E N D A

1. Finalization of Agenda
2. Election of One Executive Committee Member
3. Approval of New Titular and Associate Members of Divisions, Sections and Commissions
4. Sponsorship and Subvention
5. Study Group re Proposal of IAEA for International Analytical Laboratory
6. Title, Terms of Reference, and Report of Co-ordinating Committee
7. Report from Assistant Secretary re Audiotape for Symposia
8. Letter from Italian National Adhering Organization
9. Composition of Ad-hoc Committee on Problems of Human Environment
10. Composition of Ad-hoc Committee on Interdisciplinary Matters
11. Ad-hoc Committee on Statutes and By-Laws
12. Date and Place of Next Meetings of Division Presidents and Bureau
13. Any Other Business
 - (a) Recommended Terminology for Automatic Analysis

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Minute 58

INTRODUCTION

In welcoming the newly Elected Members to the Bureau, Dr. Rees indicated that several items of business from the XXIIIrd Bureau agenda remained undiscussed, so that the present meeting would be longer than usual for a New Bureau.

Minute 59

FINALIZATION OF AGENDA

Prof. Sartori asked for the letter of 11th June, 1969 (Item 8) to be withdrawn from consideration by the Bureau since some of the suggestions were no longer applicable. The Executive Secretary reported that the membership suggestions in the letter had already been conveyed to the appropriate Division Presidents and Secretaries.

Minute 60

ELECTION OF ONE EXECUTIVE COMMITTEE MEMBER

In accordance with the Statutes, the election took the form of a written and secret ballot in which it was decided to eliminate from any further ballot the candidate with the least votes should no candidate receive a simple majority of votes in a given ballot. The President appointed Prof. P.W. West and the Assistant Secretary as tellers.

First Ballot:

Prof. G. Sartori	7
Prof. G. Smets	7
Prof. F. Weygand	5

Total voting 20, simple majority 11.

Second Ballot:

Prof. G. Sartori	12
Prof. G. Smets	7

Total voting 20, simple majority 11.

Prof. Sartori was declared elected to fill the vacancy in the Executive Committee.

Minute 61

APPROVAL OF NEW TITULAR AND ASSOCIATE MEMBERS OF DIVISIONS, SECTIONS AND COMMISSIONS

Further to Item 18 of the XXIIIrd Bureau agenda, Prof. Kondratiev had now confirmed that the nominations of Prof. V.A. Kargin (Associate Member of Macromolecular Division Committee), Dr. V.V. Korshak (Titular Member of Commission IV.1: Macromolecular Nomenclature) and Prof. A.F. Platé (Titular Member of Committee on Teaching of Chemistry) were

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to be regarded as endorsed by the Soviet National Committee for Chemistry.

Following the recommendations of Prof. Glemser and Dr. Gallay, respectively, it was Resolved:

- (i) that the Titular Membership of Commission II.3 (High Temperatures and Refractories) be increased from 4 to 6;
- (ii) that the Titular Membership of the Applied Chemistry Division Committee be increased from 8 to 10, nominations for the extra positions to be settled by correspondence within the Division for approval by the Bureau.

Dr. Gallay mentioned that the need to up-grade Sub-Commission VI.1.1.1 (Mycotoxins) and VI.1.1.2 (Smoke Constituents) to Commissions was being investigated and he would be reporting back to the Bureau on the matter.

The Division Presidents recommended for approval by the Bureau, the new Titular and Associate Members listed in Appendix A, together with proposals for re-election of Titular Members for a further 2 or 4 years and for extension of Titular Membership beyond 8 consecutive years.

It was Resolved:

- (i) that the nominations in Appendix A for new Titular and Associate Members be approved, the period of Titular Membership to be 4 years (By-law 4.1303);
- (ii) that the proposals in Appendix A for re-elections be approved, but these only apply until 1971;
- (iii) that a temporary relaxation of By-Law 4.1303 be allowed to permit Section VI.3 (Oils and Fats) to have 8 Titular Members and 10 Associate Members until 1971.

Minute 62

SPONSORSHIP AND SUBVENTION

It was agreed that an official IUPAC delegate is not always necessary at IUPAC-sponsored symposia. Future appointments should be made at a meeting of the Bureau (or Executive Committee) or by correspondence through the President. An individual should be appointed who would be attending the symposium in any case and who is sufficiently involved in IUPAC matters to represent the Union in a formal way.

Approval of sponsorship had been granted to the following symposia by the Executive Committee through correspondence since its LXIVth Meeting (14-15th February, 1969):

Symposium on Non-Aqueous Electrochemistry: Organic and Inorganic Solvents

including Fused Salts (Paris, 6-11th July, 1970)

Symposium on Cycloaddition (Munich, 14-17th September, 1970)

Vth International Congress on Catalysis (USA, August, 1970)

The Symposium on Chemical Education (American Chemical Society - USA, July 1970) was to be "In collaboration with the IUPAC Committee on Teaching of Chemistry".

Sponsorship by IUPAC and/or subvention to the following meetings was considered by the Bureau:

Xth European Molecular Spectroscopy (Liège, September/October, 1969). Supported by Physical Chemistry Division; Editorial Board waived publication rights; approved by Bureau.

Molecular Relaxation Phenomena and Physical Properties of PVC (Strasbourg February/March, 1970). Supported by Macromolecular Division; full sponsorship not granted; meeting to be referred to as "Organized by the Macromolecular Division of IUPAC".

VIIIth Natural Products (Riga, June, 1970). Following the recommendation of the Organic Chemistry Division, previously agreed subvention of \$2,500 (Minute 428, LXIVth Executive Committee Meeting, Oxford, 14-15th February, 1969) raised to \$4,000.

Non-Aqueous Electrochemistry (Paris, July, 1970). Subvention of \$1,000 granted.

Vth Carbohydrates (Paris, August, 1970). Already supported by Organic Chemistry Division; Editorial Board wished to publish 10 main lectures; approved by Bureau.

Macromolecules (Leiden, August/September, 1970). Supported by Macromolecular Division; Editorial Board wished to publish 10 main lectures; approved by Bureau.

IIInd Organic Solid-State Chemistry (Rehovoth, September, 1970). Supported by Organic Chemistry Division; Editorial Board wished to publish 10 main lectures; approved by Bureau.

Cycloaddition (Munich, September, 1970). Subvention of \$4,000 granted, of which \$2,500 to be provided via Deutscher Zentralausschuss für Chemie.

Industrial Waste Water (Stockholm, November, 1970). Already supported by Applied Chemistry Division; Editorial Board wished to publish 26-30 lectures (maximum of 300 pages of Pure and Applied Chemistry); approved by Bureau. Subvention to a maximum of \$4,000 granted, but objection of Prof. Rangaswami to high registration fee to be communicated to Organizers.

Biopolymer Structure and Functions (Carlsbad, September, 1970). Supported by Macromolecular Division for co-sponsorship by IUPAC and IUPAB; no publications arising; approved by Bureau.

Terminal Pesticide Residues (Tel Aviv, February, 1971). No objection

from XXIIIrd IUPAC Congress to subvention; subvention of \$3,000 granted.

IIInd Pesticide Chemistry (Tel Aviv, February/March 1971). Already supported by Applied Chemistry Division; Butterworths to be asked if they are interested in publication, otherwise Editorial Board willing to waive publication rights; approved by Bureau.

IVth Fermentation (Kyoto, March, 1972). Supported by Applied Chemistry Division; insufficiently detailed answers to Advance Information Questionnaire yet available for Editorial Board recommendation. Clarification needed of total subvention required.

Minute 63

STUDY GROUP RE PROPOSAL OF IAEA FOR INTERNATIONAL ANALYTICAL LABORATORY

Prof. Malissa reported that the Ad-hoc ILCh-Committee had recommended the appointment of an Ad-hoc Working Group to study the establishment of an International Centre for Analytical Chemistry with the following objectives:

- (i) to study the need for analytical quality control services for particular purposes, in co-operation with the International Standard Reference Materials Programme;
- (ii) to co-ordinate activities in applied analysis to serve these purposes;
- (iii) to arrange for analytical quality control services;
- (iv) to arrange inter-comparisons;
- (v) to arrange for reference tests;
- (vi) to collect and provide information on methods and techniques.

This recommendation had been supported by the Analytical Chemistry Division at its Open Meeting (Cortina d'Ampezzo, 3rd July, 1969).

It was Resolved:

that an Ad-hoc Working Group be appointed to study the establishment of an International Centre for Analytical Chemistry, the Group to report back to the Bureau one year hence. The composition of the Group is:

Prof. H. Malissa (Austria), Chairman
Prof. R. Belcher (UK)
Dr. H. Egan (UK)
Prof. T. Fujinaga (Japan)
Prof. H. Kienitz (Germany)
Dr. W.W. Meinke (USA)
Prof. J. Minczewski (Poland)

Prof. J. Zýka (Czechoslovakia)
Dr. H. Merten (IAEA)
One representative from USSR,
ILO and UNIDO

Minute 64

TITLE, TERMS OF REFERENCE, AND REPORT OF CO-ORDINATING COMMITTEE

Prof. Truhaut proposed the retention for the present, of the title "Co-ordinating Committee for Analytical Methods". Dr. Gallay and he would make a definite recommendation to the next Bureau meeting on the future title and terms of reference.

In presenting his report on the activities of the Co-ordinating Committee, Prof. Truhaut stressed the immediate need to send at least 10 approved methods to CE for fulfilment of the 1968/9 contract. The Bureau approved his proposal to submit not only the 6 methods fully accepted by IUPAC, but also 11 tentative methods which are accepted subject to small changes and redrafting by Commission V.1.

In order to co-ordinate better the planning by IUPAC of co-operative programmes with other international organizations, it would be advantageous to co-opt to the Co-ordinating Committee representatives from other appropriate IUPAC units. Prof. Truhaut envisaged that the Committee would work mainly through correspondence.

It was Resolved:

that the following persons become ex-officio members
of the Co-ordinating Committee:

President of Analytical Chemistry Division
Chairman of Commission V.1 (Analytical
Reactions and Reagents)
President of Applied Chemistry Division
Chairman of Section VI.1 (Food)
Chairman of Section VI.4 (Industrial Hygiene
and Toxicology)
Chairman of Section VI.5 (Pesticides)

Minute 65

REPORT FROM ASSISTANT SECRETARY RE AUDIOTAPE FOR SYMPOSIA

The Bureau endorsed Dr. Rees' suggestion that the report be submitted for consideration by the Standing Committee on Publications.

Minute 66

COMPOSITION OF AD-HOC COMMITTEE ON PROBLEMS OF HUMAN ENVIRONMENT

It was Resolved:

- (i) that Dr. W. Gallay and Prof. P.W. West
constitute the IUPAC Ad-hoc Committee on

Problems of Human Environment to advise the Bureau on these matters;

- (ii) that Dr. Gallay be the IUPAC representative in SCOPE if the latter is created by ICSU;
- (iii) that ICSU be advised of the availability for inclusion in the Commissions of SCOPE, of the following panel of experts from IUPAC:

Prof. P.W. West)	
Prof. H. Malissa)	General Analysis
Mr. J.L. Monkman	-	Air Pollution
Prof. R. Truhaut)	
Dr. J.C. Gage)	Toxicology
Dr. R.A.E. Galley-		Pesticides
Dr. S. Freyschuss-		Industrial Wastes

Minute 67

COMPOSITION OF AD-HOC COMMITTEE ON INTERDISCIPLINARY MATTERS

On the recommendation of Dr. Rees, it was Resolved:

that the composition of the Ad-hoc Committee on Interdisciplinary Matters be:

Prof. J. Bénard, Chairman and Convenor
Prof. O. Wichterle
Dr. D.C. Martin (The Royal Society)

Minute 68

AD-HOC COMMITTEE ON STATUTES AND BY-LAWS

In view of recent requests for clarification of the Statutes and By-Laws and possible changes in them from any new dues structure, Dr. Rees believed that a committee was needed to advise on such matters.

It was Resolved:

that an Ad-hoc Committee on Statutes and By-Laws be appointed with Dr. D.C. Martin to act as Convenor and to suggest 2 other members for approval by the Bureau.

The Executive Secretary was asked to invite the Divisions to refer any relevant problems for consideration by the Ad-hoc Committee.

Minute 69

DATE AND PLACE OF NEXT MEETINGS OF DIVISION PRESIDENTS AND BUREAU

Whilst agreeing to a meeting of the Division Presidents on 15th May, 1969, the Bureau preferred to meet later in 1970. An invitation to hold the Bureau meeting in Vienna, issued by Prof. Malissa on behalf of Verein

“Österreichischer Chemiker was accepted. The Executive Secretary is to canvass the Bureau for actual dates.

Minute 70

RECOMMENDED TERMINOLOGY FOR AUTOMATIC ANALYSIS

In view of the report on Recommended Terminology for Automatic Analysis (Commission V.3) approved by Council for publication, Prof. West was concerned to learn of the existence of a Commission on Automation within the ClinicalChemistry Section. Dr. Rees advised that the whole functioning of the Clinical Chemistry Section was under scrutiny. Meanwhile, the Executive Secretary is to send copies of the report for comment by the Clinical Chemistry Commission.

The Meeting closed at 16.30

CHAIRMAN: 

DATE: 3.10.70

APPROVAL OF NEW (*) TITULAR AND ASSOCIATE MEMBERS
OF DIVISIONS, SECTIONS AND COMMISSIONS

RE-ELECTION (φ) OF TITULAR MEMBERS FOR FURTHER
2 or 4 YEARS

APPROVAL OF EXTENSION (***) OF TITULAR MEMBERSHIP
BEYOND 8 CONSECUTIVE YEARS

Physical Chemistry Division Committee

Titular Members:	Melville, Sir Harry	(1959-1973)**	Past-President
	Franck, E.U., Prof.	(1969-1973)*	
	Jordan, J., Prof.	(1969-1973)*	
	McGlashan, M.L., Prof.	(1969-1973)*	
	Prettre, M., Prof.	(1965-1973)φ	
	Sunner, S., Prof.	(1969-1973)*	
Associate Member:	Vedeneev, V.I., Dr.	(1969-)*	

Commission I.1

Associate Member:	Terrien, J., Dr.	(1969 -)*
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Commission I.2

Titular Members:	Sunner, S., Prof.	(1961-1973)**	Chairman
	Westrum, E.F., Prof.	(1969-1973)*	Secretary
	Cox, J.D., Dr.	(1969-1973)*	
	Franck, E.U., Prof.	(1965-1973)φ	
	Gurvich, L.V., Prof.	(1969-1973)*	
	Rossini, F.D., Prof.	(1965-1973)φ	
Associate Members:	Heydemann, P., Dr.	(1969-)*	
	Irving, R.L. Dr.	(1969-)*	
	Kehiaian, H., Dr.	(1969-)*	
	Lafitte, M., Dr.	(1969-)*	
	Murgulescu, I.G., Dr.	(1969-)*	
	Sinke, G.C., Dr.	(1969-)*	
	Trappeniens, N.J., Prof.	(1969-)*	
	● Jones, R.N., Dr.	(1969-1973)*	
	Overbeek, J. Th. G., Prof.	(1965-1973)φ	

Commission I.3

Titular Member:	Sanfeld, A., Dr.	(1969-1973)*
Associate Members:	Gerischer, H., Prof.	(1969-)*
	Hamer, W.A., Dr.	(1969-)*
	Parsons, R., Dr.	(1969-)*
	Tannenberger, H., Dr.	(1969-)*
	Yaeger, E.	(1969-)*

Commission I.4

Titular Members:	Brown, I., Dr.	(1965-1973)∅
	Franc, J., Dr.	(1969-1973)*
	Meinke, W.W., Dr.	(1965-1973)∅
Associate Members:	Cali, J.P., Dr.	(1969-)*
	Juhasz, A., Dr.	(1969-)*
	Simon, W., Dr.	(1969-)*

Commission I.5

Titular Members:	Jones, R.N., Dr.	(1959-1971)**	Chairman
	Cole, A.R.H., Prof.	(1965-1973)∅	Vice-Chairman
	Forster, Th., Prof.	(1965-1973)∅	
	Hadni, A., Prof.	(1969-1973)*	
	Morino, Y., Prof.	(1965-1973)∅	
Associate Members:	Fluck, E., Prof.	(1969-)*	
	Lippincott, E.R., Prof.	(1969-)*	
	Nagakura, S., Prof.	(1969-)*	
	Turner, D.N., Dr.	(1969-)*	

Sub-Commission I.5.1

Associate Member:	Josien, M.L., Prof.	(1969-)*
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Sub-Commission I.5.2

Associate Member:	Lide, D.R., Dr.	(1969-)*
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Commission I.6

Titular Members:	Everett, D.H., Prof.	(1965-1973)∅	Chairman
	Burwell, R.L., Prof.	(1969-1973)*	
	Haul, R., Prof.	(1969-1973)*	
	Mysels, K.J., Dr.	(1969-1973)*	
	Prettre, M., Prof.	(1965-1973)∅	
	Kazansky, V.V., Prof.	(1969-1973)*	
Associate Members:	Barrer, R.M., Prof.	(1969-)*	
	Friberg, S., Prof.	(1969-)*	
	Kemball, C., Prof.	(1969-)*	
	Kiselev, A.V., Prof.	(1969-)*	
	Lange, H., Prof.	(1969-)*	
	Schuit, G.A., Prof.	(1969-)*	

●	Lippincott, E.R., Prof.	(1969-)*
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Inorganic Chemistry Division Committee

Titular Members: Collongues, R., Prof. (1965-1973)^φ Secretary
Horton, W.S., Dr. (1969-1973)^{*}
Malatesta, L., Prof. (1969-1973)^{*}

Commission II.1

Titular Members: Cameron, A.E., Dr. (1969-1973)^{*}
Roth, E., Prof. (1969-1973)^{*}

Commission II.2

Titular Members: Jensen, K.A., Prof. (1949-1971)^{**} Chairman
Remy, H., Prof. (1955-1971)^{**} Vice-Chairman
Gallais, F., Prof. (1959-1971)^{**} Joint-Secretary
Cheesman, G.H., Dr. (1949-1971)^{**}
Malatesta, L., Prof. (1953-1971)^{**}
Ölander, A., Prof. (1949-1971)^{**}

Associate Members: Bertello, L.F., Prof. (1969-)^{*}
Buschbeck, K.C., Dr. (1969-)^{*}
Erdey-Gruz, T., Prof. (1969-)^{*}
Jeannin, Y., Prof. (1969-)^{*}
Powell, W.H., Dr. (1969-)^{*}
Vlček, A.A., Prof. (1969-)^{*}
Weiss, E., Prof. (1969-)^{*}
Yamasaki, K., Prof. (1969-)^{*}

Commission II.3

Titular Members: Horton, W.S., Dr. (1965-1973)^φ Chairman
Rieck, G.D., Prof. (1969-1973)^{*} Secretary
Alcock, C.B., Prof. (1969-1973)^{*}
Collongues, R., Prof. (1965-1973)^φ
Fitzer, Prof. (1969-1973)^{*}
Shiendlin, Prof./Gurvich, Prof. (1969-1973)^{*}

Associate Members: Hlavac, J., Prof. (1969-)^{*}
De Maria, G., Prof. (1969-)^{*}
Mii, H., Prof. (1969-)^{*}
Motzfeld, Prof. (1969-)^{*}

Organic Chemistry Division Committee

Titular Members: Herout, V., Prof. (1965-1973)^φ
Nakajima, M., Prof. (1969-1973)^{*}
Romo, J., Prof. (1969-1973)^{*}
Zollinger, H., Prof. (1965-1973)^φ

Commission III.1

Titular Members: Cross, L.C., Dr. (1965-1973)^φ
Loening, K.L., Dr. (1965-1973)^φ

Associate Member: Blaha, K., Dr. (1969-)^{*}

Commission III.2

Titular Members:	Kjaer, A., Prof.	(1965-1973) \emptyset	Chairman
	Swain, T., Prof.	(1965-1973) \emptyset	Secretary
	Erdtman, H., Prof.	(1965-1973) \emptyset	
	Harborne, J.B., Dr.	(1969-1973) *	
	Hegnauer, R., Prof.	(1965-1973) \emptyset	
	Mabry, T., Dr.	(1969-1973) *	
	Ourisson, G., Prof.	(1965-1973) \emptyset	
	Price, J.R., Dr.	(1965-1973) \emptyset	

Analytical Chemistry Division Committee

Titular Members:	West, P.W., Prof.	(1959-1971) **	Vice-President
	Fischer, W., Prof.	(1969-1973) *	
	Freiser, H., Prof.	(1969-1973) *	
	Tanaka, N., Prof.	(1969-1973) *	

Commission V.1

Titular Members:	Hulanicki, A., Dr.	(1969-1973) *
	Reidinger, F., Mr.	(1969-1973) *
	Weibel, B., Dr.	(1969-1973) *
Associate Members:	Bartos, J., Dr.	(1969-) *
	Sommer, L., Prof.	(1969-) *
	Weisz, H., Prof.	(1969-) *

Commission V.2

Titular Members:	Schöniger, W., Dr.	(1958-1971) **	Chairman
	Levy, R., Dr.,	(1958-1971) **	Secretary
	Gelman, N.E., Dr.	(1965-1973) \emptyset	
	Ingram, G., Dr.	(1969-1973) *	
	Večeřa, M., Prof.	(1965-1971) \emptyset	
Associate Members:	Gomišček, S., Dr.	(1969-) *	
	Morrison, G., Prof.	(1969-) *	
	Pella, E., Dr.	(1969-) *	
	Pinta, M. Mr.	(1969-) *	

Commission V.3

Titular Members:	Irving, H.M.N.H., Prof.	(1965-1973) \emptyset	Chairman
	West, T.S. Prof.	(1965-1971) \emptyset	Secretary
	Bayer, E., Prof.	(1961-1971) **	
	Menis, O., Dr.	(1969-1973) *	
	Stephen, W.I., Dr.	(1969-1973) *	
	Zettler, H., Dr.	(1969-1973) *	
Associate Members:	Alimarin, I.P., Prof.	(1969-) *	
	Baudin, G., Dr.	(1969-) *	
	Fischer, W., Prof.	(1969-) *	

Commission V.4

Titular Members:	Kaiser, H., Prof.	(1957-1971)**	Chairman
	Fassel, V.A., Prof.	(1965-1971)∅	Secretary
	Menzies, A.C., Dr.	(1969-1973)*	
Associate Member:	Winefordner, J.W., Prof.	(1969-)*	

Commission V.5

Titular Members:	Kolthoff, I.M., Prof.	(1961-1971)**	Chairman
	Bishop, E., Mr.	(1969-1973)*	
	Galus, Z., Dr.	(1969-1973)*	
	Tremillon, B., Prof.	(1969-1973)*	
Associate Members:	Fujinaga, T., Prof.	(1969-)*	
	Kapoor, R.C., Prof.	(1969-)*	
	Vlček, A.A., Prof.	(1969-)*	

Commission V.6

Titular Members:	Hume, D.N., Prof.	(1969-1973)*	Chairman
	Rossotti, F.J.C., Dr.	(1965-1973)∅	Secretary
	Beck, M.T., Prof.	(1965-1973)∅	
	Biedermann, G.,	(1965-1971)∅	
	Kertes, A.S., Dr.	(1969-1973)*	
	Rogers, L.B., Prof.	(1965-1971)∅	
Associate Members:	Ahrland, S., Dr.	(1969-)*	
	Leussing, D.L., Prof.	(1969-)*	
	Nancollas, G.I., Prof.	(1969-)*	
	Perrin, D.D., Dr.	(1969-)*	
	Stary, J., Dr.	(1969-)*	
	Yamasaki, K., Prof.	(1969-)*	

Commission V.7

Titular Members:	Cook, G.B., Dr.	(1965-1971)∅	Chairman
	Meinke, W.W., Dr.	(1965-1971)∅	Secretary
	Crespi, M.B.A., Dr.	(1965-1973)∅	
	Hecht, F., Prof.	(1969-1973)*	
	Kosta, L., Prof.	(1969-1973)*	
	Smales, A.A., Dr.	(1965-1973)∅	
	Wainerdi, R.E., Prof.	(1969-1973)*	
Associate Members:	Girardi, F., Dr.	(1969-)*	
	Hoste, J., Prof.	(1969-)*	
	Minczewski, J., Prof.	(1969-)*	
	Saito, N., Prof.	(1969-)*	
	Smythe, L.E., Prof.	(1969-)*	
	White, J.C., Dr.	(1969-)*	

Section VI.1

Titular Members:	Collings, A.J., Dr.	(1969-1973)*	Secretary
	Fischbach, H., Dr.	(1964-1971)∅	
	Oser, B.L. Dr.	(1969-1973)*	
	Reith, J.F. Prof.	(1969-1973)*	
	Truhaut, R., Prof.	(1961-1971)**	

Commission VI.1.1

Titular Member: Purchase, I.F.H., Dr. (1969-1973)*
Associate Members: Krogh, P., Dr. (1969-)*
Kubacki, S.J., Dr. (1969-)*
Wogan, G.N., Prof. (1969-)*

Commission VI.1.2

Titular Members: Collings, A., Dr. (1969-1973)* Secretary
Belitz, H.D., Prof. (1969-1973)*
Kojima, K., Dr. (1969-1973)*
Oser, G.L. Dr. (1969-1973)*
Reith, J.F., Dr. (1969-1973)*
Associate Members: Atkin, L., Dr. (1969-)*
Howard, H., Dr. (1969-)*
Sandler, J., Dr. (1969-)*

Section VI.2

Titular Members: Langlykke, A.F., Dr. (1965-1973)⁶ Chairman
Ertola, R.J., Prof. (1969-1973)*
Kinoshita, S., Dr. (1969-1973)*
Malek, I., Acad. (1969-1973)*
Associate Members: Bronn, W.K., Dr. (1969-)*
Djurtoft, R., Prof. (1969-)*
Suomalainen, H., Prof. (1969-)*
Terui, G., Prof. (1969-)*

Section VI.3

Titular Members: Heinerth, E., Dr. (1969-1973)* Chairman
Malenicky, M., Ing. (1965-1973)⁶ Vice-Chairman
Czedik-Eysenberg, P.B., Dr. (1969-1973)*
Embree, N.D., Dr. (1969-1973)*
Jacini, G., Prof. (1969-1973)*
Loew, G., Dr. (1969-1973)*
Williams, K.A. Dr. (1969-1973)*
Associate Members: Breaden, T.W., Mr. (1969-)*
Delvaux, E.L. Prof. (1969-)*
Gullbrandson, B., Mr. (1969-)*
Haddorn, H., Dr. (1969-)*
Martinez-Moreno, J., Prof. (1969-)*
Petersen, A., Mr. (1969-)*
Rutkowski, A., Prof. (1969-)*
Wolff, J.P., Mr. (1969-)*

Section VI.4

Titular Members: Gage, J.C., Dr. (1969-1973)*
Pietrulla, W., Dr. (1969-1973)*
West, P.W., Prof. (1969-1973)*

Associate Members: Boudene, C., Prof. (1969-)*
Elkins, H., Dr. (1969-)*
Smith, R.G., Dr. (1969-)*
Vasak, V., Dr. (1969-)*
Zurlo, N., Dr. (1969-)*

Section VI.5

Titular Members: Hurtig, H., Dr. (1961-1971)** Chairman
Resnick, Ch., Dr. (1965-1973) Secretary
Cook, J.W., Mr. (1965-1973)
Galley, R.A.E., Dr. (1959-1971)**

Commission VI.5.1

Titular Members: Hurtig, H., Dr. (1965-1971) Chairman
Cook, J.W., Mr. (1965-1971)

Commission VI.5.2

Titular Members: Galley, R.A.E., Dr. (1965-1971) Chairman
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Hurtig, H., Dr. (1965-1971)
Resnick, Ch., Dr. (1965-1973)

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Zvonar, V., Ing. (1969-1973)*

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Raaschou-Nielsen, H.K., Mr. (1969-)*
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Fink-Jensen, P.H., Mr. (1965-1971) Chairman