

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF XXXII BUREAU MEETING

HELD AT HOLIDAY INN, MUNICH

ON

FRIDAY, 31 AUGUST 1973, at. 14.00

PRESENT:

Prof. Sir Harold Thompson - President, in the Chair
Prof. J. Bénard - Past-President
Dr. R. W. Cairns - Vice-President
Dr. W. Gallay - Secretary General
Prof. O. Horn - Treasurer

Mr. P. M. Arnold)
Prof. Sir Derek Barton)
Prof. E. D. Bergmann)
Prof. A. R. H. Cole)
Prof. N. M. Emanuel)
Prof. V. Herout) Elected Members
Dr. O. Isler)
Prof. S. Rangaswami)
Prof. S. Shibata)
Prof. G. Smets)
Prof. H. Suomalainen)

Prof. G. Ourisson)
Dr. D. B. Tonks) Ex-officio Members

Dr. R. N. Jones)
Prof. H. Benoit) Division Presidents
Prof. N. Tanaka)

ABSENT:

Prof. O. Glemser - Elected Member
Prof. R. Truhaut - Ex-officio Member
Prof. V. Gutmann)
Prof. A. Kjaer) Division Presidents
Dr. H. Egan)

IN ATTENDANCE:

Dr. M. Williams - Executive Secretary
Mr. R. J. M. Ratcliffe - Assistant Secretary (in part)

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Minute 15/73

INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

Sir Harold Thompson welcomed the new Members to their first Bureau meeting. No additional items were presented to those on the Agenda drawn up by the President and Executive Secretary.

Minute 16/73

ELECTION OF TWO EXECUTIVE COMMITTEE MEMBERS

Sir Harold Thompson mentioned that, although the Statutes had laid down that a fair geographical representation should be taken into account in the election of Elected Members of the Bureau, there was no such provision for Elected Members of the Executive Committee. In a small body of eight, it might be felt that there should not be more than one Member from any particular country, and for many years this had usually been the case. However, the decision was entirely at the discretion of the voting Members of the Bureau, and he did not wish to express any personal view. The term of office of Prof. Emanuel on the Executive Committee had not expired and there were, therefore, two vacancies.

Sir Derek Barton was nominated as a candidate, but declined to stand because that might lead to having two Members from UK on the Executive Committee. In accordance with Statute 8.2, 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, if no candidate received a simple majority of the votes cast. The President appointed Dr. Tonks (ex-officio Member of Bureau) and the Assistant Secretary as Tellers.

First ballot:	Mr. P. M. Arnold	12
	Prof. G. Smets	10
	Prof. E. D. Bergmann	8
	Dr. O. Isler	5
	Prof. V. Herout	3

Total voting 19, simple majority 10

Mr. Arnold and Prof. Smets were declared elected to fill the two vacancies.

Minute 17/73

APPROVAL OF NEW MEMBERS OF IUPAC BODIES

It was Resolved that:

- (i) the nominations in Appendix A for new Members of IUPAC bodies be approved, the period of Titular Membership to be four years (Bylaw 4.1303);
- (ii) as a new principle, the period for all Associate Members of IUPAC bodies and Members of Sub-Commissions be extended for two years only, then be subject to review;
- (iii) the proposals in Appendix A for reelection of Titular Members to IUPAC bodies for a further two or four years (Bylaw 4.1303) be approved;
- (iv) the proposals in Appendix A for new Officers of IUPAC bodies be approved;
- (v) for exceptional reasons proposed by the relevant Division Presidents (Bylaw 4.1303) the following extensions of Titular Membership beyond eight consecutive years be approved until 1975:

Commission II.1 - Prof. N. N. Greenwood
Commission II.2 - Prof. W. C. Fernelius
Commission III.1 - Dr. L. C. Cross, Dr. K. L. Loening
Commission V.3 - Prof. H. M. N. H. Irving
Commission V.4 - Prof. V. A. Fassel
Commission V.7 - Prof. M. B. A. Crespi

- (vi) in the absence of Profs. Glemser and Gutmann, the proposal to increase from 6 to 8 Titular Members on the Commission on High Temperatures and Refractory Materials be referred back to the Officers of the Inorganic Chemistry Division to ascertain the reasons for the increase;
- (vii) on the advice of Dr. Tonks, the proposals to increase from 4 to 5 Titular Members on the Commission on Teaching of Clinical Chemistry and for Prof. F. W. Sunderman, Jr. (USA) to be the Chairman of the new Commission on Clinical Toxicology be approved.

Dr. Cairns expressed reservations about the extent of Titular Membership of some Sections of the Applied Chemistry Division. Also, he reiterated his point made to Council (Minute 13/73, page 6, XXVII/C), that all Sections of the Division be reclassified as Commissions.

The Bureau Resolved:

that the proposed memberships of Sections and Commissions of the Applied Chemistry Division be approved, but the Division Committee to carry out a full evaluation in terms of Dr. Cairns' remarks and to report to the Bureau at its meeting in 1974 with recommendations for possible implementation at the XXVIII Conference (1975).

Prof. Bergmann suggested that it might be possible to combine the Section on Pesticides and its two Commissions into a single IUPAC body.

Prof. Benoit pointed out that Drs. J. W. Barrett and P. Cossee had not been replaced as Members of the Macromolecular Division Committee, so that the resolution of the Bureau to reduce the Membership to 10 in 1975 (Minute 8.4/72, XXX/B) had been met earlier than required.

Minute 18/73

PROPOSAL FOR IUPAC BODY ON NUCLEAR AND RADIOCHEMISTRY

The Executive Secretary reported that, at a meeting of Division Presidents in Munich on 30 August with Prof. S. Amiel (Israel), it was proposed to the Bureau:

that an ad hoc Committee on Nuclear and Radiochemistry of five persons be appointed immediately, with a view to creating in 1975 a Commission on Nuclear and Radiochemistry, interdisciplinary in nature but for administrative purposes to be attached to the Inorganic Chemistry Division.

After a brief discussion on whether any new Commission on Nuclear and Radiochemistry might be attached directly to the Bureau, it was Resolved:

that the proposal of the Division Presidents to appoint an ad hoc Committee on Nuclear and Radiochemistry be approved.

Minute 19/73

COLLABORATION WITH ISO

Prof. Tanaka presented the proposals of the Analytical Chemistry Division Committee for a mechanism leading to IUPAC approval of ISO International Standards (see Minute 26.2.3/73, LXXVI/EC).

It was Resolved:

that the proposals of the Analytical Chemistry Division Committee be referred for consideration by the Executive Committee at its meeting early in 1974.

Minute 20/73

COMPANY ASSOCIATES: A SCHEME FOR IMPROVING THE INVOLVEMENT OF INTERNATIONAL INDUSTRY WITH IUPAC

On behalf of Dr. J. W. Barrett, Dr. Isler, and himself, Mr. Arnold tabled more definite proposals regarding the formation of an International Company Associates Group (ICAG) and its purposes (see Minute 14.2/73, XXXI/B).

Prof. Bénard was pleased to see this positive outcome from the Open Meeting on IUPAC Activities in Munich (73.8.25). Prof. Ourisson spoke in favour of a mechanism which would enable the Company Associates to give their collective advice to the Union. He proposed acceptance of the proposals by the Bureau, with the possibility of one representative of ICAG to report as necessary to the Bureau. Prof. Horn felt that there might be some overlap between ICAG and the European Industrial Research Management Association.

It was Resolved:

that the Bureau sympathizes with the proposals regarding an International Company Associates Group, and requests the proposers to undertake further investigations to determine the full interest of all Company Associates and to report back to the Executive Committee and Bureau in 1974.

Minute 21/73

ONE-DAY CONFERENCE ON PERSPECTIVES IN CHEMISTRY AT FUTURE CONFERENCES

Dr. Isler proposed that a one-day meeting devoted to perspectives in chemistry be added to the XXVIII Conference in 1975. Sir Harold Thompson said this proposal would lengthen Conference, when there was strong pressure to reduce its duration. Prof. Ourisson thought the meeting could be an additional symposium before or after the Conference. Dr. Gallay suggested it might be accommodated in the evenings, in accordance with the recommendation from the meeting of Division Presidents on 30 August for there to be more evening work to shorten future Conferences. Sir Derek Barton felt

that, in order to stimulate participation, the meeting should be conducted along the lines of a Faraday Society Discussion in UK.

It was Resolved:

that Dr. Isler submit more detailed proposals for consideration by the Bureau at its meeting in 1974.

Minute 22/73

DATE AND PLACE OF NEXT MEETING

Invitations had been received to hold the 1974 meeting of the Bureau in Brussels and Helsinki. The Executive Secretary produced data to show that, on the basis of present economy class air fares, it was clearly cheaper for the meeting to be in Brussels. It was agreed that the Bureau would meet in Brussels during the first two weeks of September 1974, and provisionally on 5 - 8 September.

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The Meeting closed at 16.05.

CHAIRMAN: *HW Humphreys*

DATE: *Aug 31 1974*

APPENDIX A

* APPROVAL OF NEW MEMBERS OF IUPAC BODIES

♯ REELECTION OF MEMBERS OF IUPAC BODIES
FOR FURTHER TWO OR FOUR YEARS

* APPROVAL OF NEW OFFICERS OF IUPAC BODIES

Clinical Chemistry Section Committee

Titular Members: Dybkaer, R., Dr. (1973-1977) *
Whitehead, T. P., Prof. (1973-1977) *
Associate Members: Latner, A. L., Prof. (1973-1975) *
Métais, P., Prof. (1973-1975) *

Commission on Automation (in Clinical Chemistry)

Titular Members: Büttner, H., Prof. (1973-1977) *
Hjelm, M., Prof. (1973-1977) *
Associate Member: Bierens de Haan, J., Dr. (1973-1975) *

Commission on Quantities and Units (in Clinical Chemistry)

Titular Member: Rigg, J. Chr., Mr. (1973-1977) *

Commission on Teaching (in Clinical Chemistry)

Titular Member: Curnow, D. H., Prof. (1973-1977) *
Associate Members: Porter, J., Dr. (1973-1975) *
Schwartz, M., Dr. (1973-1975) *

Physical Chemistry Division Committee

Members: Cole, A. R. H., Prof. (1973-1977) *
Haase, R., Prof. (1973-1977) *
Gurvich, L. V., Prof. (1973-1977) *
Westrum Jr., E. F., Prof. (1973-1977) *

Commission I.1

Titular Members: Whiffen, D. H., Prof. Chairman *
Kellö, V., Prof. (1973-1977) *
Associate Members: Paul, M. A., Dr. (1973-1975) *
Stille, U., Prof. (1973-1975) *

Commission I.2

Titular Members:	Westrum Jr., E. F., Prof.	(1969-1977) ϕ Chairman *
	Laffitte, M., Prof.	(1973-1977) * Secretary *
	Cox, J. D., Dr.	(1969-1977) ϕ
	Gurvich, L. V., Prof.	(1969-1977) ϕ
	Wadsö, I., Dr.	(1973-1977) *
Associate Members:	Angus, S., Dr.	(1973-1975) *
	Brewer, L., Prof.	(1973-1975) *
	Hala, E., Prof.	(1973-1975) *
	Kohler, F., Prof.	(1973-1975) *
	Schneider, G. M., Prof.	(1973-1975) *
	Takahashi, Y., Prof.	(1973-1975) *
	Whalley, E., Prof.	(1973-1975) *

Sub-Commission I.2.1

Members:	Suhr, H., Prof.	Chairman *
	Bell, A. T., Prof.	(1973-1975) *
	Bonet, C., Dr.	(1973-1975) *
	Matsumoto, O., Prof.	(1973-1975) *

Sub-Commission I.2.2

Member:	Kehiaian, H., Dr.	(1973-1975) *
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Commission I.3

Titular Members:	Sanfeld, A., Prof.	(1969-1977) ϕ
	Tamamushi, R., Dr.	(1967-1975) ϕ

Commission I.4

Titular Members:	Ambrose, D., Dr.	Chairman *
	Cali, J. P., Dr.	Secretary *
	Brunner, E., Dr.	(1973-1977) *
	Lane, J. E., Dr.	(1973-1977) *
	Plebanski, T., Dr.	(1973-1977) *
	Terrien, J., Dr.	(1973-1977) *
Associate Members:	Brown, I., Dr.	(1973-1975) *
	Feuerberg, H., Prof.	(1973-1975) *
	Kienitz, H., Prof.	(1973-1975) *
	Milazzo, G., Prof.	(1973-1975) *

Sub-Commission I.4.1

Members:	Herington, E. F. G., Dr.	(1973-1975) *
	Juhasz, A., Dr.	(1973-1975) *

Commission I.5

Titular Members: Elyashévich, M. A., Prof. Vice-Chairman ✕
Becker, E. D., Dr. (1973-1977) *
Hadni, A., Prof. (1969-1977) ∅
Zerbi, G., Prof. (1973-1977) *

Associate Member: Morino, Y., Prof. (1973-1975) *

Sub-Commission I.5.1

Members: Durig, J. R., Prof. (1973-1975) *
Schutte, C. J. H., Prof. (1973-1975) *

Sub-Commission I.5.2

Members: Jones, R. N., Dr. (1973-1975) *
MacDonald, R. S., Dr. (1973-1975) *

Sub-Commission I.5.3

Members: Čermák, V., Dr. (1973-1975) *
Lossing, F. P., Dr. (1973-1975) *
Tatematsu, A., Prof. (1973-1975) *

Commission I.6

Titular Members: Mysels, K. J., Dr. (1969-1977) ∅ Chairman ✕
Burwell Jr., R. L., Prof. (1969-1977) ∅
Haul, R., Prof. (1969-1977) ∅
Kazansky, V. B., Dr. (1969-1977) ∅

Associate Member: Lyklema, J., Prof. (1973-1975) *

Inorganic Chemistry Division Committee

Members: Bagnall, K. W., Prof. (1973-1977) *
Fernelius, W. C., Prof. (1973-1977) *
Fluck, E., Prof. (1973-1977) *

Commission II.1

Titular Members: De Bièvre, P., Dr. (1973-1977) *
Holden, N. E., Dr. (1973-1977) *
Roth, E., Prof. (1969-1977) ∅

Associate Members: Cameron, A. E., Dr. (1973-1975) *
Martin, R. L., Prof. (1973-1975) *
Saito, N., Prof. (1973-1975) *

Commission II.2

Titular Members: Mingos, D. M. P., Dr. (1973-1977) * Secretary ✕
Leigh, G. J., Dr. (1973-1977) *

Associate Members: Chatt, J., Prof. (1973-1975) *
Jensen, K. A., Prof. (1973-1975) *

Commission II.3

Titular Members: Alcock, C. B., Prof. (1969-1977) ∅ Chairman ✕
Rieck, G. D., Prof. (1969-1977) ∅
Fitzer, E., Prof. (1969-1977) ∅
Foex, M., Prof. (1973-1977) *
Hlaváč, J., Prof. (1973-1977) *
De Maria, G., Prof. (1973-1977) *

Associate Members: Amato, U., Dr. (1973-1975) *
Gilles, P. W., Prof. (1973-1975) *
Horton, W. S., Dr. (1973-1975) *
Ohse, R. W., Dr. (1973-1975) *

Organic Chemistry Division Committee

Members: Boekelheide, V. C., Prof. (1973-1977) *
Ito, S., Prof. (1973-1977) *
Tomko, J., Prof. (1973-1977) *

Commission III.1

Titular Member: Grünwald, H., Dr. (1973-1977) *

Associate Member: Veibel, S., Prof. (1973-1975) *

Commission III.3

Titular Members: Hoytink, G. J., Prof. (1970-1977) ∅
Lamola, A., Prof. (1973-1977) *
Mukai, T., Prof. (1973-1977) *
Quinkert, G., Prof. (1969-1977) ∅

Section III.4

Titular Members: Ariëns, E. J., Prof. (1969-1977) ∅ Chairman ✕
Rachlin, A. I., Dr. (1969-1977) ∅
Albert, A., Prof. (1969-1975) ∅
Campagne, E., Prof. (1969-1975) ∅
Humber, L. G., Dr. (1973-1977) *
Sensi, P., Prof. (1969-1975) ∅
Thuillier, J., Dr. (1973-1977) *

Associate Members: Bloom, B., Dr. (1973-1975) *
Martin, F. A., Dr. (1973-1975) *
Pratesi, P., Prof. (1973-1975) *
Sarel, S., Prof. (1973-1975) *

Analytical Chemistry Division Committee

Members: Hume, D. N., Prof. (1973-1977) *
Kaiser, H., Prof. (1973-1977) *

Commission V.1

Titular Members: Hulanicki, A., Dr. (1969-1977) ϕ
Reidinger, F. J., Mr. (1969-1977) ϕ
Associate Members: Lucena Conde, F., Prof. (1973-1975) *
Stephen, W. I., Dr. (1973-1975) *

Commission V.2

Titular Members: Cheng, K. L., Prof. (1969-1975) ϕ
Mizuike, A., Prof. (1973-1977) *
Terent'eva, E. A., Dr. (1973-1977) *
Associate Members: Gel'man, N. E., Dr. (1973-1975) *
Ingram, G., Dr. (1973-1975) *

Commission V.3

Titular Members: Zettler, H., Dr. (1969-1977) ϕ Secretary *
Freiser, H., Prof. (1973-1977) *
Guilbault, G. G., Prof. (1973-1977) *
Menis, O., Dr. (1969-1977) ϕ
Rice, N. M., Dr. (1973-1977) *
Associate Members: Fischer, W., Prof. (1973-1975) *
Tölg, G., Dr. (1973-1975) *
West, T. S., Prof. (1973-1975) *

Commission V.4

Titular Member: Menzies, A. C., Dr. (1969-1975) ϕ
Associate Member: Walters, J., Prof. (1973-1975) *

Commission V.5

Titular Members: Bishop, E., Dr. (1969-1977) ϕ
Galus, Z., Dr. (1969-1977) ϕ
Zuman, P., Prof. (1973-1977) *
Associate Members: Branica, M., Prof. (1973-1975) *
Izutsu, K., Prof. (1973-1975) *
Jordan, J., Prof. (1973-1975) *
Mašek, J., Dr. (1973-1975) *
Nygard, B., Prof. (1973-1975) *

Commission V.6

Titular Members:	Nancollas, G. H., Prof.	Chairman *
	Ahrland, S., Dr.	(1973-1977) * Secretary *
	Anderegg, G., Prof.	(1973-1977) *
	Freiser, H., Prof.	(1973-1977) *
	Kertes, A. S., Prof.	(1969-1977) ϕ
Associate Members:		(1973-1975) *
	Beck, M. T., Prof.	(1973-1975) *
	Hume, D. N., Prof.	(1973-1975) *
	Marcus, Y., Prof.	(1973-1975) *
	Ohtaki, H., Dr.	(1973-1975) *
	Young, C. L., Dr.	(1973-1975) *

Commission V.7

Titular Members:	White, J. C., Dr.	Secretary *
	Hoste, J., Prof.	(1973-1977) *
	Kosta, L., Prof.	(1969-1977) ϕ
	Sankar Das, M., Dr.	(1973-1977) *
	Wainerdi, R. E., Prof.	(1969-1977) ϕ
Associate Members:	Lux, F., Prof.	(1973-1975) *
	Rafter, T. A., Dr.	(1973-1975) *
	Smales, A. A., Dr.	(1973-1975) *

Applied Chemistry Division Committee

Members:	Epstein, J. A., Dr.	(1973-1977) *
	Langlykke, A. F., Dr.	(1973-1977) *

Section VI.1⁺

Titular Members:	Kojima, K., Dr.	(1969-1977) ϕ
	Nikonorov, M., Dr.	(1973-1977) *
	Ohno, K., Dr.	(1973-1977) *
	Tracey, M. V., Mr.	(1973-1977) *
Associate Members:	Bergston-Nelsen, M., Dr.	(1973-1975) *
	Collings, A. J., Dr.	(1973-1975) *

Commission VI.1.1

Titular Members:	Pouillaude, F., Dr.	(1973-1977) *
	Somers, E., Dr.	(1973-1977) *
Associate Member:	McDonald, I. R. C., Mr.	(1973-1975) *

⁺ Titular Members:	Marcuse, R., Dr.	Chairman *
	Guthenberg, H., Dr.	Secretary *

Commission VI.1.2

Titular Members: Kojima, K., Dr. (1973-1977) * Chairman ✕
Ohno, K., Dr. Secretary ✕
Campbell, A. D., Dr. (1973-1977) *
Schuller, P. L., Dr. (1973-1977) *

Associate Members: Littlehailes, J. K., Dr. (1973-1975) *
Jemmali, M., Dr. (1973-1975) *
Steyn, P. S., Dr. (1973-1975) *

Section VI.2

Titular Members: Kinoshita, S., Dr. (1969-1975) ϕ Chairman ✕
Humphrey, A. B., Prof. (1973-1977) * Vice-Chairman ✕
Ertola, R. J., Dr. (1969-1977) ϕ
Málek, I., Acad. (1969-1977) ϕ

Associate Members: Dellweg, H., Prof. (1973-1975) *
Langlykke, A. F., Dr. (1973-1975) *

Section VI.3

Titular Members: Vos, H. J., Drs. (1963-1975) ϕ Chairman ✕
Paquot, C., Prof. (1973-1977) * Secretary ✕
Brüschweiler, H., Dr. (1973-1977) *
Delvaux, E. L., Prof. (1973-1977) *
Embree, N. D., Dr. (1969-1975) ϕ
Gracian Tous, J., Dr. (1973-1977) *
Møller, A. T., Mr. (1973-1977) *
Van der Weel, J. C., Drs. (1973-1977) *

Commission VI.3.1

Titular Members: Delvaux, E. L., Prof. (1973-1977) * Chairman ✕
Paquot, C., Prof. (1973-1977) * Secretary ✕
Brüschweiler, H., Dr. (1973-1977) *
Gracian Tous, J., Dr. (1973-1977) *
Møller, A. T., Mr. (1973-1977) *
Van der Weel, J. C., Drs. (1973-1977) *

Associate Member: Carola, C., Dr. (1973-1975) *

Commission VI.3.2

Titular Members: Møller, A. T., Mr. (1973-1977) * Chairman ✕
Paquot, C., Prof. (1973-1977) * Secretary ✕
Brüschweiler, H., Dr. (1973-1977) *
Delvaux, E. L., Prof. (1973-1977) *
Gracian Tous, J., Dr. (1973-1977) *
Van der Weel, J. C., Drs. (1973-1977) *

Associate Member: Connolly, J. F., Dr. (1973-1975) *

Section VI.4

Titular Members: Fugas, M., Dr. (1973-1977) *
Luxon, S. G., Mr. (1973-1977) *
Pilz, W., Dr. (1973-1977) *
Truhaut, R., Prof. (1973-1977) *

Associate Members: Frederick, W. G., Dr. (1973-1975) *
Gage, J. C., Dr. (1973-1975) *
Pietrulla, W., Dr. (1973-1975) *
West, P. W., Prof. (1973-1975) *

Section VI.5

Titular Members: Abbott, D. C., Dr. (1968-1975) ϕ
Frehse, H., Dr. (1973-1977) *
Hill, K. R., Dr. (1968-1975) ϕ
Kearney, P. C., Dr. (1973-1977) *
Miyamoto, J., Dr. (1973-1977) *
Widmark, G., Prof. (1973-1977) *

Associate Members: Batora, V., Dr. (1973-1975) *
Hurtig, H., Dr. (1973-1975) *
Resnick, Ch., Dr. (1973-1975) *

Commission VI.5.1

Titular Members: Hill, K. R., Dr. (1968-1975) ϕ Chairman x
Kearney, P. C., Dr. (1973-1977) * Secretary x
Crosby, D. G., Dr. (1973-1977) *
Miyamoto, J., Dr. (1973-1977) *
Slade, P., Dr. (1973-1977) *

Associate Members: Engst, R., Prof. (1973-1975) *
Greenhalgh, R., Dr. (1973-1975) *
Hurtig, H., Dr. (1973-1975) *
Mayr, G. E., Dr. (1973-1975) *

Commission VI.5.2

Titular Members: Frehse, H., Dr. (1967-1975) ϕ Chairman x
Batora, V., Dr. (1973-1977) *
Hill, K. R., Dr. (1973-1977) *
Widmark, G., Prof. (1967-1975) ϕ

Associate Members: Aue, W. A., Dr. (1973-1975) *
Heuser, S. G., Mr. (1973-1975) *
Resnick, Ch., Dr. (1973-1975) *

Section VI.7

Titular Member: Dalcq, P. R. L. A., Dr. (1969-1975) ϕ