INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF THE 60th MEETING OF THE EXECUTIVE COMMITTEE

held at the Royal Society, London

on

26th - 28th February, 1968

PRESENT:

Prof. V.N. Kondratiev, President
Dr. A.L.G. Rees, Vice-President
Prof. W. Klemm, Past President (present Feb. 27 & 28)
Dr. R. Morf, Secretary General
Prof. J.C. Bailar, Jr., Treasurer
Prof. J. Lecomte
Sir Harold Thompson
Prof. O. Wichterle

Specially Invited:

Lord Todd
Sir Harry Nelville
Sir Ronald Nyholm
and in part, Prof. B.C.L. Weedon

Dr. M. Williams, Executive Secretary Candidate
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Minute 371

INTRODUCTION

(Quoted from Prof. V. N. Kondratiev):

"It is my great privilege and honour to open the 60th Executive Committee Meeting, here, in the premises of the Royal Society. But, before doing so, I invite you to congratulate our colleague, Sir Harold Thompson, for his being awarded the Knighthood by Her Majesty the Queen. Perhaps you will be good enough to congratulate him in the usual way. We are very proud to have Sir Harold among us.

This 60th Meeting of the Executive Committee is a mile-stone for IUPAC in many respects. 1918, exactly 50 years ago, the President of the British Society of Chemical Industry, Sir William Pope, went to Paris to meet the President of the sister organization in France, the Société des Industries Chimiques, before a profound discussion. Following that visit, in the Cock d'Or in London, the International Union of Pure and Applied Chemistry was founded. I think we should follow the advice of the Secretary General, who, having known this fact well in time, has suggested that we do not celebrate this 50 years' jubilee as many other societies do.

IUPAC is now extremely glad that the Royal Society has stepped in and, as expressed in a scroll signed by the President and the Secretary General of IUPAC, has contributed enormously to international co-operation, particularly in the field of Scientific Chemistry. We are indebted in many ways to the Royal Society and its officers.

Finally, before going into the agenda, I ask your permission to bring up a point that is very important to me. This is the language problem. As a matter of fact, as stipulated in the Statutes and as decided at the last Council Meeting, the English language is without doubt the international scientific language for chemistry. This means enormous advantages for all those officers and colleagues who have English as their mother-tongue and who frequently say to us, "Agreed, but your English could be better". Although we will try very hard to express ourselves in your Oxford English language, we will have much more difficulty and must make enormous efforts which you will only realize if somebody were to tell you each time that your Japanese expressions could be better! Therefore, I kindly ask you to forgive me and I should like to apologize in advance for any difficulties which might arise from my poor knowledge and practice in English."
Minute 372

SAFEGUARDING THE INFLUENCE OF IUPAC TOWARDS THE VARIOUS EXPERTS

The Chairman invited the Secretary General to explain in detail his short remark on the subject. From this document, there arise 3 main problems:

a) There is need to protect IUPAC property by all appropriate means, e.g. association of trade-mark copyright.

b) There is need to ensure full protection of IUPAC property rights in contracts with other parties.

c) There is need to monitor the acceptance by individuals of contracts with other bodies for work overlapping with present or past IUPAC contractual commitments by the same individuals.

After discussion it was Resolved:

a) that all agencies co-operating with IUPAC on production of material for publication will be requested to give full acknowledgment of IUPAC for its contribution to such publications. The UNESCO contracts are examples in mind.

b) that all agencies contracting with IUPAC for the production of reports intended for publication will not alter these without written consent of IUPAC

c) that urgent consideration should be given to adopting procedures within IUPAC for better protection of property rights, particularly trade-marking and copyrighting.

Minute 373

REPORT OF THE SECRETARY GENERAL ON CO-OPERATION WITH CEE

Prof. Kondratiev asked that thanks be minuted to the Co-ordinating Committee for analytical Methods and all its collaborators, particularly Prof. Truhaut and Dr. Morf, on the successful fulfilment of the contract with CEE for 1966 and 1967. This would give IUPAC enormous prestige and future possibilities.

Minute 374

NEW CONTRACT WITH CEE

Dr. Morf reported there to be an amount of predigested analytical methods material, in four languages, in his office, ready for final editing. He recommended IUPAC to offer only some 10-12 methods to CEE.
It was Resolved:
that Prof. Truhaut and Dr. Morf draw up a new contract with CEE, including the two clauses mentioned under Minute 372.

Dr. Morf is to circulate the draft contract for comment by the Executive Committee.

It was Resolved:
that Prof. Truhaut's proposal to convene the Co-ordinating Committee for Analytical Methods during the IUPAC Conference on Modern Chemistry in Industry, Eastbourne, 11th - 14th March, 1968, and to invite Prof. A. Frazer and Prof. H. Malissa to attend, be approved and that their expenses be paid.

Minute 375

REPORT ON TEACHING OF CHEMISTRY (Sir Ronald Nyholm in attendance)

The Treasurer reported that the Finance Committee was strongly opposed to the IUPAC Committee on the Teaching of Chemistry having committed IUPAC to expenses without the prior approval of the Executive Committee. UNESCO had been guilty of dilatory action in not expediting final payment for the contract on Teaching of Chemistry.

With regard to the reports on teaching of chemistry in various countries originally submitted to the Teaching Committee, it would be necessary to follow these up, to obtain further information before final conclusions could be drawn. Following the recommendation of the Teaching Committee, it was

Resolved:
that the Executive Committee invite the Italian National authorities to consider a symposium on chemical education as part of the IUPAC Conference in mid-1969, preferably at the expense of UNESCO. This symposium is intended to supercede other earlier proposals.

Sir Ronald Nyholm reported on a meeting of the Teaching Committee, Zürich, 27th - 28th January 1968. The Executive Committee confirmed the need for continuation of the IUPAC Teaching Committee as a separate body from the ICSU Committee on the Teaching of Science. Sir Ronald intimated his wish to relinquish during 1968 his office as Chairman of the Teaching Committee.

It was Resolved:
that Sir Ronald Nyholm discuss with Prof. Bailar possible means for a new Chairman, Sir Ronald Nyholm then to approach informally the agreed choice to ascertain if he was willing to accept the office.
Regarding the question of possible replacement of other members of the Committee (Prof. W.A. Noyes and Prof. G.M. Schwab), it was

Resolved:
that the Teaching Committee recommends suitable persons to join in its work, the nominations for candidates to be sent to Prof. Kondratiev.

Prof. Kondratiev proposed that the Executive Committee take notice of the report of the Teaching Committee and minute its thanks especially to Sir Ronald Nyholm for his work as Chairman.

Minute 376

NEW CONTRACTS WITH UNESCO

UNESCO insists on auditing of IUPAC accounts for contracts with them, which is rather expensive. It was

Resolved:
that future contracts with UNESCO should make provision for an overhead expense to cover auditing of the accounts.

Prof. Bailar felt that the sum of $3000 in the 1968 contract was insufficient to complete the work on teaching of chemistry. All of this money would be consumed in travel expenses, and an overhead expense item was also needed.

Minute 377

MACROMOLECULAR DIVISION (Sir Harry Melville in attendance)

The name "Macromolecular Division", adopted by the new Division at its inaugural meeting in Brussels, 11th December 1967, was felt to be grammatically poor. "Division of Macromolecular Chemistry" is more in line with the other IUPAC Divisions.

It was Resolved:
that the Division President refer the matter of its name back to the Division Committee for reconsideration and further recommendation to the Executive Committee.

The weight of opinion in the Executive Committee was also against the use of the phrase "Task Force" when "Commission" was the usual IUPAC nomenclature.

Following Prof. Wichterle's suggestion, it was

Resolved:
that granting sponsorship to small monothematic symposia (50 - 200 persons), be given rapidly by correspondence by the members of the Executive Committee.
At this juncture Sir Harold Thompson raised the matters of financial assistance and publication rights.

It was reconfirmed that preadvice of 2 years was preferable when requesting sponsorship of a symposium by IUPAC, especially when financial support was involved, and IUPAC must have first right to publish the proceedings. Where financial support is requested, the organizing committee must provide a draft budget for the symposium. The question of IUPAC sponsorship is to be settled also through the Executive Committee by correspondence.

Minute 378

CITCE

President Kondratiev asked Sir Harry Melville to inform the Executive Committee, in detail, about the relationship between CITCE and IUPAC.

Sir Harry Melville said that he had not yet received sufficient information, but that he will make contact with the officers of CITCE and explore the situation through the Division Committee.

Minute 379

VACANCY(IES) IN THE BUREAU

Prof. O. Wichterle, elected member of the Bureau, was elected at the Prague Conference in a statutory secret ballot as a member of the Executive Committee. Later on, the Macromolecular Chemistry Division, following the statutory requirements in the constituting meeting by a secret ballot, elected Prof. O. Wichterle to the presidency of the Division. As Division President, he was also a member of the Bureau. The meeting was not unanimous whether this situation created a vacancy in the Bureau, and that no additional elected member to the Bureau be appointed.

Minute 380

COMMENTS ON INFORMATION BULLETIN

At Sir Harold Thompson's suggestion it was decided to minute the following errors in the membership of the Bureau as listed in the Information Bulletin (p.3, No.30, Oct. 1967):

- Prof. J. Lecomte - for "1967-1969" read "1963-1971"
- Prof. O. Wichterle - for "1967-1969" read "1961-1969"
- omission of Prof. F. Weygand, 1967-1971, as an elected member.
It was emphasized that the facts were all stated correctly in Comptes Rendus XXIV, which is the only official publication, and the introduction is quoted hereafter:

"The Information Bulletin was published immediately after the XXIVth Conference, giving a tentative picture of the composition of the various Divisions, Sections and Commissions".

Minute 381

**PROGRAMME FOR THE 22nd MEETING OF THE BUREAU**

Two memoranda from Prof. Kondratiev and Prof. Lecomte respectively, have been submitted and will need discussion by the Bureau. Other matters for the agenda are the dues structure (at the request of the Adhering Organization of USA) and the responsibilities of the Division Presidents.

Dr. Rees asked that the Secretary General write to the Division Presidents to examine critically the activities of their various Sections/Commissions in advance of the meeting, to facilitate efficient discussion by the Bureau.

The meeting was fixed for Tuesday 29th October - Friday 1st November 1968, with 1 day allocated for the Executive Committee, 1 day for the Division Presidents, and 2 days for the Bureau (Saturday the 2nd of November may be needed as an additional day for the Executive Committee).

Minute 382

**PLACE OF THE BUREAU MEETING**

Proposals were made to convene the meeting in Monte Carlo. Although the Secretary General drew the attention of the Committee to the IUPAC tradition of never holding meeting near places of touristic interest, remote from Science and Industry, the majority decided to meet in Monte Carlo.

Minute 383

**MEETING OF THE DIVISION PRESIDENTS PRIOR TO THE BUREAU MEETING**

It was Resolved: that for careful preparation of the Bureau Meeting, the Division Presidents will have to meet well in advance. Prof. Bénard, the senior Division President, to be the convener. Sir Harold Thompson and Prof. B.C.L. Weedon are to be invited to attend part of the meeting to talk on IUPAC publication matters.
Minute 364

APPOINTMENT OF STAFF

Dr. M. Williams will take up an appointment as Executive Secretary of IUPAC on April 1st, 1968. At his wish, the Secretariat will be set-up in the Oxford area for the next two years; the location to be reviewed before December 31st, 1969.

Dr. Williams presented to the Executive Committee details of possible office accommodation. It was

Resolved:  
that a lease be taken from the City of Oxford on an office at the Cowley Centre, the exact details to be settled by the officers.

As a result of interviewing several candidates, Mr. R.J.H. Ratcliffe has been offered a post as Assistant Secretary. Dr. Williams will be responsible for appointment of clerical staff for his Secretariat.

Minute 365

REPORT OF THE FINANCE COMMITTEE

No apparent discussion took place.

Minute 366

SPONSORSHIP

The President informed the Committee that the following official IUPAC delegates at forthcoming symposia granted IUPAC sponsorship were appointed:

13th-17th May, 1968  International Symposium on the Recovery of Pulping Chemicals  Helsinki (Finland)  Dr. H. Suomalainen

23rd-29th June, 1968  IVth International Congress on Catalysis  Moscow (USSR)  Prof. Kondratiev

8th-13th July, 1968  Vth International Symposium on the Chemistry of Natural Products  London (UK)  Lord Todd & Dr. Morf

2nd-6th September, 1968  IIIrd International Symposium on Fermentation  New Brunswick (USA)  Dr. H. Suomalainen

3rd-6th September, 1968  Symposium on Properties of Macromolecular Systems  Toronto (Canada)  Prof. Wichterle
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<td>X11th International Conference on Co-ordination Chemistry</td>
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<td>10th-13th September 1968</td>
<td>Analytical Chemistry Symposium</td>
<td>Warsaw (Poland)</td>
<td>$2000 subvention to be given as decided by Bureau Prof. W. Kemula &amp; Prof. P. West</td>
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<td>9th-12th September 1968</td>
<td>Symposium on Valence Tautomerism</td>
<td>Karlsruhe (Germany)</td>
<td>Prof. F. Weygang</td>
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<td>22nd-26th July 1968</td>
<td>IIInd International Symposium on Pharmaceutical Chemistry</td>
<td>Münster (Germany)</td>
<td>Dr. Horf</td>
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The following decisions were taken by the Executive Committee, re. requests for sponsorship of symposia:

- **21st-25th April 1969**
  - 1969 Symposium on Natural Products
  - Mexican Chemical Society
  - Sponsorship granted and, in view of the special circumstances, financial support of $4000.
  - 1970 6th International Symposium on the Chemistry of Natural Products
  - USSR Academy of Sciences
  - Sponsorship was reconfirmed.

- **10th-13th September 1968**
  - Symposium on Chemical Aspects of Paper-making
  - Prague (Czechoslovakia)
  - Sponsorship granted, no financial subvention be given. Publication rights not required for the IUPAC Journal.

- **8th-11th July 1968**
  - 2nd International Symposium on Nuclear Magnetic Resonance
  - Sao Paulo (Brazil)

It was Resolved that no sponsorship be granted to the symposium in Sao Paulo.

Secretary General to act.

**September 1969**

- International Symposium on Conformational Analysis
  - Brussels (Belgium)
  - Sponsorship granted, subject to satisfactory agreement on publication rights which are required by IUPAC; no financial subvention.
27th July 1st August 1969 Fourth International Symposium on Organometallic Chemistry
Chemical Society Bristol (UK)
Clash of dates with IUPAC Congress in Melbourne

It was Resolved:
that a decision on sponsorship be deferred and the matter dealt with by correspondence with the Australian Committee responsible for the IUPAC Congress.

1969 Symposium on Surface Area Determination
Bristol (UK)
Decision on sponsorship deferred. (See above reasons)

September 1968
Vth International Congress on Surface active Substances
Barcelona (Spain)

It was Resolved:
that CID be asked to send information about its three International Commissions and report back to the Executive Committee about possible collaboration between IUPAC and CID. Secretary General to act.

1972 Fifth International Congress on Catalysis
Japan Science Council
Decision on sponsorship deferred

1971 3rd International Conference on Crystal Growth

It was Resolved:
that sponsorship be granted without financial subvention.

July 1969
Analytical Chemistry Symposium
Birmingham (UK)

July 1969
Atomic absorption Spectroscopy Symposium
Sheffield (UK)

It was Resolved:
that for both symposia sponsorship be granted only if the organizing Committee of the XXIIInd International Congress in Australia does not object.

Minute 387

CIRCULAR LETTERS TO THE EXECUTIVE COMMITTEE

All circular letters to the Executive Committee were mentioned for information.
Minute 388

TREASURER'S REPORT - BUDGET FOR 1968 AND BUDGET ESTIMATES FOR 1969

Prof. Bailar went briefly through the budget estimates for 1968 and 1969. The draft Budgets for 1968 and the Budget Estimates for 1969 were approved by the Executive Committee.

Dr. Williams emphasized that several items for the Secretariat office in Oxford were proving to be higher than first estimated and that it was now necessary to budget for some further items.

Prof. Lecomte said that Mr. M.J. Brocart of the Finance Committee wished to abstain from endorsing the budgets for the two Secretariats.

Minute 389

ARCHIVES AND REMOVAL

It was Resolved:
that the Secretary General take steps to remove the residue of IUPAC archives material from Paris. The material would be stored in boxes until the Secretary General was able to select which items were worth keeping, these then to be consolidated with the Basle material.

Minute 390

REPORTS OF COMMISSIONS, ETC., AND IN PARTICULAR THE PESTICIDE COMMISSION

The Commission of the Applied Chemistry Division on Pesticides had published a report in the journal of the Association of Official Analytical Chemists, asking for reimbursement of the costs, by IUPAC Treasury, of reprints.

It was Resolved:
that IUPAC Treasury be not entitled to reimburse such expenses. The Treasurer to act.

Minute 391

OFFICIAL IUPAC REPRESENTATION AND FUNCTIONS

It was Resolved:
that the official IUPAC representation at the XXII Congress in Sydney, 1969, be Prof. V.N. Kondratiev, Dr. A.L.G. Rees and Prof. O. Wichterle.
Minute 392

MEMORANDUM OF PROF. KONDRATIEV

There was a good discussion of the memorandum which sought to ensure that the Commissions, Sections, and Divisions of IUPAC, perform their work more effectively and with less expense. In particular, the enthusiasm of new Titular Members is not being capitalized on.

The author of the memorandum, Prof. Kondratiev, was convinced that the ideas expressed can be realized without any change of the Statutes.

It was Resolved: that the Division Presidents be charged with obtaining from the Chairmen of their Sections/Commissions a concise programme of proposed activities stating the term of fulfilment for each; the programmes are to be approved by the Division Committees, then presented for discussion and action at the next meeting of the Bureau.

The very reason for increasing the staff of the Secretariat is to assist the Divisions in increasing the activity of their Sections and Commissions.

Prof. Kondratiev's memorandum will be put on the agenda for discussion at the next meetings of the Division Presidents and of the Bureau.

Minute 393

MEMORANDUM OF PROF. LECOMTE

Regarding Prof. Lecomte's suggestion for a changed sequence of meetings, it was

Resolved: that the present two-yearly sequence of business meetings be retained.

Minute 394

IUPAC COMPANY ASSOCIATES PLAN

The Secretary General reported on the very satisfactory starting of IUPAC's Company Associates Plan, which resulted, in 1967, with a net income of some $30,000. The main task for IUPAC will be now to implement the plan and to provide the Company Associates in return with useful information.
Over and above the delivery of IUPAC Publications, the Secretary General produced a Report on the deliberations of the WHO in Geneva, which was highly appreciated by the Company Associates. In addition, the 47 Analytical Methods, handed over to the authorities of the CEE in Brussels were received, with great sympathy by the Company Associates. The Secretary General made an appeal to the Committee for stimulation and help in view of an increased activity towards the Company Associates.

It was Resolved:

a) that this important item be put on the Agenda of the Division Presidents and the Bureau meetings.

b) that the organizers of IUPAC sponsored Congresses and Symposia be encouraged to provide advanced scientific information for distribution among the Company Associates.

Minute 395

DUES STRUCTURE: US NATIONAL COMMITTEE

Prof. Bailar suggested a committee be appointed to make a thorough study of the whole dues structure and prepares a report.

It was Resolved:

that the matter be an item on the agenda of the next meetings of the Executive Committee and of the Bureau, appropriate documentation to be circulated beforehand to ensure the fullest possible discussion. The Secretary General to inform the US National Committee of this plan of action.

Minute 396

ANY OTHER BUSINESS

(i) Joint Activities of Commissions (Sir Harry Melville in Attendance)

The Commission on Electroanalytical Chemistry (V.5.) sponsors an undertaking by Prof. G. Charlot to prepare an updated set of tables of Oxidation-Reduction Potentials, while the Commission on Electrochemistry (I.3.) has sponsored a project by Prof. G. Milazzo involving the preparation of Tables of Electrochemical Equilibrium Data.

It was Resolved:

that the Chairmen and Secretaries of the two Commissions meet in Paris during March to define their fields of interest, and that a sum of $1,200 be allocated to cover travel expenses.

The Secretary General is to write the appropriate letters, and is to invite the President of CITCE to attend the meeting as an observer. The two Chairmen are to report back to their Divisions and thence, via the Secretary General, to the Executive Committee.
Regarding disagreements on symbols between the Commission on Physico-Chemical Symbols, Terminology, and Units (I.1.) and the Commission on Thermodynamics and Thermochemistry (I.2.), it was

Resolved:
that these disagreements be resolved by the Physical Chemistry Division Committee, Sir Harry Melville to act.

(ii) COSPAR

At the recommendation of the Secretary General, it was

Resolved:
that Prof. S. Shibata, or a deputy suggested by him, attend the meeting of COSPAR in Tokyo, May 1969, as an official IUPAC delegate and report back to the Executive Committee.

(iii) Commission on Thermodynamics and Thermochemistry (I.2.)

The chairman, Dr. H. A. Skinner, has drawn up an agreement with Academic Press to publish a new journal under the auspices of the Commission.

It was Resolved:
that the Secretary General inform Dr. Skinner he can only proceed with the journal on a basis entirely independent of IUPAC and certainly not under the auspices of the Commission on Thermodynamics and Thermochemistry.

(iv) Organization of Congresses

Starting with the 1971 IUPAC Congress, the US National Committee would like to have representatives from other countries to assist the General Committee of the Organizing National Group in construction of the programme and choice of lecturers.

It was resolved:
that the President appoint two IUPAC representatives to collaborate with the Local Organizing Committee for all future Congresses, travel expenses being allocated for attendance at one main meeting of the Organizing Committee.

(v) Claim From Prof. J. Veibel for Travel to Prague

It was Resolved:
that Prof. Veibel's expenses be paid by IUPAC.

(vi) International Commission on Atomic Weights (1967)

It was Resolved:
that the Atomic Weight Tables from the report of the Commission published in Comptes Rendus be republished in Pure and Applied Chemistry.
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(vii) **International Federation on Pharmacy**

It was Resolved:
that the Secretary General arrange a meeting in Basle with the President of the International Federation on Pharmacy to investigate possible areas of collaboration, then report back to the Executive Committee.

(viii) **IUB**

IUB has requested that a meeting be held to discuss co-ordination with IUPAC on such matters as nomenclature and planning of conferences.

It was Resolved:
that Prof. W. Klyne and the Secretary General represent IUPAC at the exploratory meeting with IUB.

(ix) **Pure and Applied Chemistry** (Prof. B.C.L. Weedon in attendance)

Prof. Weedon reported that the journal had gone through a difficult period in recent years and it is hoped that the publication report will become better. Nevertheless, much of the criticism against the journal was not warranted, most troubles being due to late submission of papers for publication and late return of author proofs.

The 1965 publication requirements were not completed until 1966, in which year three volumes were published. More than two volumes were again published in 1967, but we shall only catch up with the 1967 quota with the appearance of the outstanding parts for Vol. 15 in March. For 1968, Vol 16 Part 1 is scheduled for publication in April and Vol. 16 Parts 2 and 3 in May; it is hoped that Vol. 17 Part 1 will appear before the end of the year.

It was Resolved:
that Prof. Weedon draw up a letter for the President's signature, to go to Symposium Organizers at the time IUPAC sponsorship is granted and publication in Pure and Applied Chemistry is accepted, confirming that it is the responsibility of the Organizers to ensure all papers are made available to IUPAC at the time of the Symposium (or by an agreed date shortly thereafter) and it is the responsibility of authors to use IUPAC nomenclature.

**VOTE OF THANKS**

In addition to votes of thanks to be extended by the Secretary General to the Royal Society by letter, it was agreed to minute our sincere appreciation for the provision of facilities and hospitality.

The meeting closed at 12:30.

The final manuscript was approved and signed by President Kondratiev in Moscow, April 16, 1968.