

INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY

MINUTES OF 103rd MEETING OF EXECUTIVE COMMITTEE

Danmarks Tekniske Højskole, Lyngby: 23rd August 1983

Present: Prof. S. Nagakura (Chairman), Dr. W. Graulich, Prof. J. Michalski, Prof. G. Ourisson, Prof. C. G. Overberger, Prof. A. Perez-Masiá, Dr. W. G. Schneider, Prof. T. S. West, Prof. H. Zollinger

In Attendance: Dr. H. F. Wilson (Chairman, Finance Committee) - in part, Dr. M. Williams (Executive Secretary)

14/83 INTRODUCTORY REMARKS AND FINALIZATION OF AGENDA

The following items were added to the agenda circulated by the Executive Secretary (83.07.21):

- 2.2.2 1982 Royalties from Pergamon
- 3.2 Bureau Item 5.1/Council Item 3 - Nominations for Officers and Bureau Members
- 3.3 Bureau Item 5.3/Council Item 8 - Tentative Budgets for 1984 and 1985
- 3.4 Bureau Item 5.4/Council Item 9 - Revised New Dues Structure
- 5.6 Membership of Interdivisional Committee on Nomenclature and Symbols
- 6.3 Suggested Federation of African Chemical Societies
- 6.4 Proposed IUPAC-UNESCO Initiative in Latin America
- 6.5 Wolf Foundation Prizes 1983/4
- 6.6 Turkish Chemical Society
- 6.7 Gesellschaft Österreichischer Chemiker
- 8.1 Requests for Financial Subventions to IUPAC-sponsored Symposia in 1984
- 8.2 Composition of Soviet Delegation to Lyngby

15/83 MINUTES OF 102nd MEETING OF EXECUTIVE COMMITTEE

15.1/83 Amendments and Approval

The minutes of the meeting at Tokyo (circulated by the Executive Secretary 83.06.03) were approved.

15.2/83 Matters Arising from Minutes

15.2.1/83 International Organization for Chemical Sciences in Development  
(Minute 3.3/83)

Prof. Zollinger reported that:

- (i) Dr. P. Crabbé had confirmed that the French version constituted the official statutes of IOCD. A full translation was to be made into English, which would replace the existing 'shorter' English version.
- (ii) the IOCD statutes (Article 4) referred to two types of membership (individuals chosen on the basis of their contribution to chemical science and positive contribution to international cooperation with and socio-economic development of third-world countries; scientific organizations). IUPAC was approached officially (79.07.05) to participate, but the question of any fees (Article 6) to be paid by the Union still had to be resolved by the IOCD Finance Committee.
- (iii) from 83.07.01 Dr. Crabbé had joined the staff of UNESCO in Paris and, with Dr J. Kingston, would be responsible for UNESCO programmes in the chemical sciences. In addition, Dr. Crabbé would continue to act as Secretary General of IOCD.
- (iv) he had accepted an invitation to be Chairman of the IOCD Publications Committee and hoped to have a clearer picture of IOCD after attending its Council meeting in Mexico (84.03.12-13), following which he would report back to IUPAC.

15.2.2/83 1982 Royalties from Pergamon (Minute 9.7/83)

The 1982 royalty statements from Pergamon had been checked by the Secretariat. Gross royalties for 1982 now totalled US-\$123 100 (US-\$120 400 in 1981), payable in 1983. The royalties for 1983 were expected by Pergamon to be at least as good as for 1982. The Executive Committee noted that the general trend in royalty income was still rising.

16/83 ITEMS FROM AGENDAS OF 47th BUREAU AND 32nd COUNCIL REQUIRING DISCUSSION, RESOLUTION, OR RECOMMENDATION BY EXECUTIVE COMMITTEE

16.1/83 Bureau Item 5.9/Council Item 17 - Proposed Affiliate Membership Scheme

Prof. West reported on the meeting of the Committee on Affiliate Membership at Lyngby (83.08.19), drawing attention to suggestions of what the Union might do if Council rejected the proposal of the Executive Committee to launch the Scheme from the start of 1985 (Minute 5/83). NAOs might be circularized to ascertain what other ideas they had to involve more and younger chemists in the Union (cf. letter of 83.06.09 from Prof. V. Gold suggesting to canvass younger chemist observers at recent Assemblies for ideas). If some financial support could be obtained from UNESCO, the Scheme might be tried just for IUPAC non-member, developing countries. Whatever the outcome in Council, Prof. West anticipated a need for financial provision by the Union, so that the existing CAM might meet early in 1984.

Prof. Perez-Masiá shared the concern of Prof. Gold that the privileges presently offered by the Scheme might prove disappointing. The Union should be cautious, otherwise the Scheme would reflect badly on the image of IUPAC. Prof. Michalski felt that the Scheme would be approved, perhaps only narrowly, after which East-European countries might become more interested.

Prof. Zollinger advocated that the Bureau on 83.08.24 should reaffirm its support for the Scheme or recommend withdrawal of the proposal from Council. No mention should be made before the voting in Council of any possibilities to continue work after Lyngby on some aspects of the Scheme if it was not accepted.

The Executive Committee agreed that the proposal was a "non-scientific matter" and voting should therefore be by Delegations (Bylaw 2.2), with a simple majority of votes cast being applicable. Abstentions should not be recorded as votes (Statute 5.32).

Prof. West referred to his circular letter (83.07.29) to Officers of all IUPAC bodies, urging the expression of Divisional support or otherwise for the Scheme. Support was also requested for the new-look CI. Unfortunately, issue No. 4 for 1983, giving extensive advance coverage to the Lyngby Assembly, had been disseminated late by Pergamon. The Executive Committee asked for copies of issue No. 4 to be provided for each Delegation and for the poster display to be moved from the registration area to the Council chamber entrance.

16.2/83 Bureau Item 5.1/Council Item 3 - Nominations for Officers and Bureau Members

Consideration was given to the two candidates nominated for Vice-President of the Union. If not elected, Prof. C. N. R. Rao would continue his present term on the Bureau (1981-5); if elected, there would be an additional vacancy on the Bureau. If Prof. H. Gg. Wagner was not elected to the Vice-Presidency, the FRG-delegation had indicated that it would wish to withdraw the nomination of Prof. E. U. Franck for the Bureau so that Prof. Wagner might stand for a second term (1983-7).

The Executive Committee agreed that both Vice-Presidential candidates were excellent and it was unable to differentiate between them. It would therefore suggest that the Bureau recommended (Bylaw 2.222) the two candidates equally to Council.

16.3/83 Bureau Item 5.3/Council Item 8 - Tentative Budgets for 1984 and 1985 (Dr. Wilson in attendance)

Dr. Graulich outlined the general purposes and publications budgets for 1984 and 1985 as revised at Lyngby (Appendixes C and D to Finance Committee minutes). Also he referred to changes made to the investment portfolio (Finance Committee Minute 21.2/83), which were designed to yield high income with the chance of some capital appreciation.

A small surplus (US-\$1 500) was anticipated for 1984, but a deficit (US-\$70 000) for 1985. The two main sources of the overall deficit (US-\$68 500) were:

- (i) Affiliate Membership Scheme - US-\$65 000,
- (ii) bad debts - US-\$155 000.

Dr. Wilson said that the Finance Committee did not recommend any change to the present level of CA service charge (US-\$25) nor to that for Observer Countries (US-\$50). In addition, he presented a brief evaluation of the projected bad debts for 1984 (Finance Committee Minute 20/83).

16.4/83 Bureau Item 5.4/Council Item 9 - Revised New Dues Structure (Dr. Wilson in attendance)

Dr. Wilson mentioned his computer predictions of dues based on chemical publications (Chemical Abstracts), but the recommendation (Finance Committee Minute 18/83) not to present the data in Council because it might provoke unnecessary discussion. Compared with chemical turnover as the basis, the distribution of dues was substantially different and the overall situation badly distorted, despite the practical advantage of ease of obtaining national chemical publications totals.

Regarding the revised new dues structure proposals before Council at Lyngby, Dr. Wilson tabled a further revision of Appendix III, which used recently available 1982 CT-data to calculate dues for 1984 and 1985. The Appendix now also showed the dues for USSR in both years as US-\$40 000. The Executive Committee accepted the Finance Committee recommendation to retain the existing Appendix III in Council, but to state that the 1984-dues invoices would be based on the latest available CT-figures.

The Finance Committee had prepared a reserve plan in case the proposed refinements to the Leuven dues structure were defeated in Council. In response to suggestions from the Japanese NAO, the Finance Committee proposed to investigate after Lyngby a system with 1984-5 dues based on the biennial CT-average for 1981-2.

An introductory statement, put forward by Prof. V. Gold and read out at the meeting by Prof. West, was accepted by the Executive Committee for presentation to Council by the Secretary General. The Executive Committee also decided not to ask Council at Lyngby to vote on Appendix IV of the revised dues structure proposals but, at this time, simply to accept for information the suggestions to extend voting rights for different categories of membership. The concern of the Czechoslovak NAO (letter dated 83.06.21) that Appendix IV would result in the richer countries in IUPAC becoming more powerful and the poorer ones more powerless, would be considered at the Spring 1984 meeting of the Executive Committee.

## 17/83 PUBLICATIONS

### 17.1/83 Scientific Editorship of PAC

Prof. Ourisson reminded the meeting that the Scientific Editorship of PAC had been vacant since the end of 1981 (Minute 9.1/82, 100th Executive Committee - Den Haag). He and the Chairman of the Publications Committee, Dr. D. P. den Os, had now concluded that a Scientific Editor was not needed at present. They recommended that PAC should continue to be handled by Mr. P. D. Gujral, as Executive Editor, in the Secretariat and as part of his duties and responsibilities as Scientific Publications Secretary of IUPAC. Mr. Gujral should confine himself to stated terms of reference as Executive Editor of PAC, and consult a small Editorial Board if a symposium paper of doubtful value was submitted.

The recommendation was accepted by the Executive Committee, together with a suggestion by Dr. Schneider that each Division should be left to decide if the same person should represent it on the Editorial Boards of both CI and PAC.

### 17.2/83 Summary of Replies to CI Questionnaire

A report from Mr. R. W. Fennell (83.07.26) was tabled, summarizing replies about issues 1 and 2 of CI/1983 to a questionnaire circulated in May 1983 to NAOs, Bureau Members, and Officers of Committees and Commissions (Minute 9.1/83, 102nd Executive Committee).

A significant majority preferred the 1983 approach, wanted news from NAOs, were in favour of a correspondence column, and did not think changes in layout were necessary. A smaller majority did not want a more journalistic style, but approved of pen pictures of IUPAC 'executives'. Opinion was divided on inclusion of more photographs (steps were in hand to try and improve the quality) and about articles on non-IUPAC subjects. A considerable number of suggestions had been submitted for articles on IUPAC-related and non-IUPAC topics (83.08.02).

The Executive Committee considered the following suggestions from Prof. N. Sheppard (President, Physical Chemistry Division):

- (i) to publish the biennial IUPAC Current Programmes as an issue of CI;
- (ii) to issue regularly (once a year) a listing of IUPAC Commission reports for the past 10 years (currently published as an appendix to IUPAC Current Programmes), under the originating Commissions, etc., but also indexed separately and under subject matter, so that a chemist might rapidly find exactly which IUPAC recommendations were available in his field;

and agreed that both ideas would be better incorporated into the biennial Membership Lists of IUPAC Bodies, since they constituted reference material rather than casual reading matter.

Draft Standing Orders (see Appendix A) for the CI Editorial Advisory Board were accepted by the Executive Committee, there being no strong feeling for any limit to the biennial reappointment of the various representatives. A request was noted for provision of financial support should an extraordinary meeting of the Board be required in 1984.

#### 17.3/83 ICSU Press (Minute 9.2/83, 102nd Executive Committee)

A report (83.04.27) to ICSU from its Committee on Publications and Communications (COPAC), covering establishment and the first activities of the ICSU Press, had been precirculated.

It was agreed that, besides renegotiating with Pergamon, ICSU Press should be included amongst the other publishers to be approached to quote for the full IUPAC publications programme (sole publisher) or for parts of it (Minute 2.2.3/83, 102nd Executive Committee).

#### 17.4/83 System for Literature References in Publications

Prof. Zollinger elaborated on his precirculated letter (83.05.03). Should IUPAC try to convince chemistry journal editors and book publishers throughout the world to use exactly the same system of writing literature references instead of continuing with the several different ways currently employed?

Prof. Ourisson recalled that the IUPAC Publications Committee had looked into the matter some years ago, and that some relevant investigations had been made by the Institute for Scientific Information in USA (Dr. E. Garfield). Prof. Perez-Masiá stressed the need to take into consideration the views of CAS.

The Executive Committee decided to ask the Publications Committee to look in some detail into the matter, to consult IDCNS as necessary, and to report back in due course.

#### 18/83 IUPAC BODIES

##### 18.1/83 Membership of Finance Committee

The Executive Committee accepted the recommendations of the Finance Committee (Minute 23/83) that:

- (i) Prof. G. E. Zaikov should be allowed to rejoin the membership until the end of 1985 in place of Prof. V. A. Kuzmin (resigned),
- (ii) Dr. T. Miki, a Japanese industrial chemist, should fill the vacancy existing since 1982.

18.2/83 Membership of Committee on Chemistry and Industry

The Executive Committee approved the reappointment of Dr. G. Jäger as Secretary of COCI for the period 1983-7.

18.3/83 Membership of Committee on Publications

A recommendation was still awaited from the Publications Committee to fill the vacancy existing since 1981. Prof. West reminded the meeting of the suggestion to have as a member a prominent Division Past-President, such as Prof. N. Sheppard, to ensure the active involvement of a recognized scientist. Because of the increasingly close relationship of computerized (electronic) publishing and computerized data bases, Dr. Schneider anticipated a suggestion that the Chairman of the Subcommittee on Numeric Data Bases should be a member of the Publications Committee.

18.4/83 IUB-IUPAB-IUPAC Commission on Biothermodynamics (Minute 11.4/83, 102nd Executive Committee)

Various correspondence received since the previous meeting was noted by the Executive Committee. The recommendation of President Nagakura was accepted, for IUPAC to support continuation of the joint Commission for the next year under the leadership of Prof. I. Wadsö, then to review the situation. The attitudes of IUB and of IUPAB were awaited following their recent assessments of the Commission.

18.5/83 Principles and Guidelines for Financial Allocations to Divisions and Standing Committees (Minute 11.5/83, 102nd Executive Committee)

The draft, prepared by Dr. Schneider (83.07.15), had been welcomed by the Finance Committee (Minute 15.2.2/83 - Lyngby). The latter favoured the suggestion to allocate 10-20% of funds (B-Budget) for superior performance and productivity, for imaginative and high-priority new proposals, and for supplementary funding of existing, high-priority, high-quality projects having unusual budgetary requirements.

However, concern was expressed by Prof. Zollinger about having A- and B-Budgets, while Prof. Perez-Masiá felt that was hardly worthwhile unless the amounts of money involved were significant. Prof. Overberger assumed that the principles advocated for Divisions would, in general, also apply for Standing Committees.

The Executive Committee accepted the proposal of Prof. Ourisson for the Officers of the Union to use the new principles, as far as possible, in making their 1984-5 budgetary allocations later in the year.

18.6/83 Membership of Interdivisional Committee on Nomenclature and Symbols

The Executive Committee approved the reappointment of Dr. R. B. Fox as Secretary of IDCNS for the period 1983-7.

19/83 RELATIONS WITH OTHER ORGANIZATIONS

19.1/83 Inclusion of ICSU Affiliation on IUPAC Letterhead

The Executive Committee noted that, in an effort to increase general awareness of the activities of ICSU, IUB had recently added a footnote to its stationery, stating the affiliation of IUB to ICSU. It was left for the incoming Secretary General to decide if IUPAC should act similarly.

19.2/83 Soil Science Society of America

SSSA had expressed interest in establishing an official link with IUPAC. Prof. West drew attention to the existence of an International Society of Soil Science, and it was decided to suggest that SSSA should ask ISSS to consider applying for Associated Organization status of the Union.

19.3/83 Suggested Federation of African Chemical Societies

At the 2nd International Chemistry Conference in Africa (Nairobi, 83.06.27-07.02) the possibility had been discussed of developing a Federation of African Chemical Societies from the Chemistry Committee of the Association of Faculties of Science of African Universities. It was decided to await a response from the Secretary of AFSAU-CC, whose attention had been drawn to inconclusive earlier attempts to get AFSAU-CC to apply for AO status of IUPAC. The new possibility of Observer Country status for individual African countries had also been mentioned.

19.4/83 Proposed IUPAC-UNESCO Initiative in Latin America

At Leuven a series of possible joint IUPAC-UNESCO programmes and their funding was discussed by the IUPAC Officers and Dr. J. V. Kingston (UNESCO). Subsequent correspondence, involving Dr. Kingston and Prof. Ourisson, had led to the latter writing (83.07.21) to seven Latin-American countries about interest in 'New Sources of Chemical Energy', specifically for the natural resources of the relevant countries and monitoring the effect on their environments. Chile and Cuba had so far indicated a willingness to collaborate and replies from the other five countries were awaited.

19.5/83 Wolf Foundation Prizes 1983-4

The Executive Committee considered an invitation (83.06.30) for IUPAC to submit nominations. The aim - "to promote science and art for the benefit of mankind" - was ideal for CHEMRAWN, and it was agreed to nominate Dr. B. W. Rossiter for the Chemistry Prize. Profs. Ourisson and West would prepare the papers for signature by President Nagakura in Lyngby.

19.6/83 Turkish Chemical Society

The inability of Turkey, for which the NAO was a small, individual membership society, to pay the dues for its allocated category (C2) or even one category lower (C1) was considered. The Executive Committee decided to offer Turkey payment under Category D or for Observer Country status during 1982-3. Attention should be drawn to the possible better financial situation if a national committee for chemistry could be formed.

19.7/83 Gesellschaft Österreichischer Chemiker

Because the NAO was a small, individual membership society and it had been unsuccessful in obtaining financial support from government or industry towards its IUPAC dues, the Category Subcommittee recommended that Austria should be allowed to move to the next lower category (C2 instead of B1). The Finance Committee (Minute 16.3/83 - Lyngby) was not sympathetic to views expressed by GÖC (83.04.25) and recommended that Österreichischer Chemiker Zeitung should publicize IUPAC activities to counteract the allegations of the NAO.

The two recommendations were approved by the Executive Committee. GÖC should be reminded that NAOs were invited by the Secretary General of the Union each biennium to suggest experts suitable for filling vacancies on IUPAC bodies at the General Assembly.

20/83 REORGANIZATION OF IUPAC SECRETARIAT (Minute 8/83, 102nd Executive Committee)

The Executive Secretary reported that the new telephone system was installed and a single number (717744, two lines) had replaced the two previous numbers. In addition, an answering machine was now available to record messages at lunchtime and when the office was closed.

Following a survey by the Secretariat of various office computing systems, it was recommended that an AES 7200 word processor should be lease-rented. Noting that the Finance Committee was in support (Minute 15.2.1/83 - Lyngby), the Executive Committee approved the recommendation with the proviso that there should be a 13 in. printer (total cost over 3 years about US-\$36 100).

21/83 ANY OTHER BUSINESS

21.1/83 Requests for Financial Subventions to IUPAC-sponsored Symposia in 1984

Requests in respect of three symposia, which had been circulated to the Officers prior to Lyngby (83.07.25), were reviewed by the Executive Committee in terms of agreed IUPAC criteria for granting subventions (Appendix G to Minutes, 87th Executive Committee - Washington). Noting that each symposium complied with at least one of the criteria, but there was budgetary provision for only US-\$5 000 for subventions in 1984, it was decided to offer specifically to support participation from developing countries:

US-\$1 000 to 7th International Biotechnology Symposium (New Delhi, India: 84.02.19-25),

US-\$2 000 to 7th IUPAC Conference on Physical Organic Chemistry (Auckland, New Zealand: 84.08.20-24),

US-\$2 000 to International Symposium on Solubility Phenomena (London, Canada: 84.08.19-22), assuming that it would shortly be granted IUPAC sponsorship.

21.2/83 Composition of Soviet Delegation to Lyngby

Two suggested new Soviet members of IUPAC Commissions had been sent to Lyngby as observers, but some appointed Soviet Titular Members, who would have completed their terms at Lyngby, had been omitted. The Secretary General was requested to explain the concern of the Executive Committee at this unusual procedure, which was felt to exert undue pressure on Commissions.

VOTE OF THANKS

Prof. Nagakura asked for his thanks to be recorded to his colleagues in the Executive Committee for their cooperation during his Presidency of the Union.

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CHAIRMAN:

R. J. Schneider

DATE:

15/4/85



APPENDIX A

STANDING ORDERS FROM EXECUTIVE COMMITTEE

CHEMISTRY INTERNATIONAL EDITORIAL ADVISORY BOARD

Composition and Terms of Office

- (i) There shall be an Editorial Advisory Board for the IUPAC news magazine Chemistry International (CI).
- (ii) The Board shall consist of the Secretary General (Chairman), the Chairman of the Committee on Publications, one representative from each of the Divisions and from the CHEMRAWN Committee, Committee on Chemistry and Industry, Committee on Teaching of Chemistry, Interdivisional Committee on Nomenclature and Symbols, and the CI Editor (Secretary).
- (iii) The representatives shall be nominated biennially by the President or Chairman of the relevant IUPAC bodies and be appointed by the President of the Union in consultation with the Executive Committee.

Terms of Reference

- (i) To review the editorial policy and contents of CI at a General Assembly.
- (ii) To advise the Editor, upon request, on articles to appear in CI.
- (iii) To discuss future contents and format.
- (iv) To ensure that IUPAC bodies provide the Editor, spontaneously or on request, with material on their work and future programmes.