

40th IUPAC General Assembly, 7–14 August 1999, Berlin, Germany

There were 642 registered participants at the IUPAC General Assembly. Of that number, 518 were members of IUPAC bodies, 82 were invited Observers, and there were 100 Council Delegates. The individual totals are greater than the overall total because a number of delegates were also Members of IUPAC bodies. A summary of the actions taken by the Council and Bureau follows, including the results of the elections for IUPAC Officers and Bureau Members. This material and additional background material are available on the IUPAC web site, <http://www.iupac.org>.

Highlights of IUPAC's 72nd Bureau—40th Council—73rd Bureau, held 11–14 August 1999 in Berlin, Germany are summarized below.

Election Results

1. Prof. P. S. Steyn was elected Vice President and President Elect. The election results were as follows:

Steyn	71
Sydney	43
Kratochvil	19

2. Dr. C. Buxtorf was elected Treasurer. The election results were as follows:

For	125
Against	0
Abstain	8

3. Dr. E. D. Becker was reelected Secretary General. The election results were as follows:

For	119
Against	4
Abstain	10

4. Prof. N. Moreau and Prof. O. Nefedov were elected to the Bureau. Prof. H. Ohtaki and Prof. G. Schneider were reelected. The election results were as follows:

Chandrasekharan	54
Kratochvil	48
Leigh	68
Moreau	90
Nefedov	100
Ohtaki	91
Schneider	81

IUPAC: 2000 and Beyond

The IUPAC Council took an historic step in Berlin when it confirmed the holistic, integrated program adopted by the Bureau a year ago to improve the quality, relevance, international impact, and effectiveness of the Union's scientific work. The decision by the Council to convert IUPAC from an organization dependent largely on a rather static Commission structure to a more dynamic project-driven system will permit us to address the challenges of serving chemistry in the modern world.

The Bureau and Council made it very clear that in modifying its structure and ways of operating, IUPAC is not in any way interrupting or discontinuing the activities in nomenclature, critical data evaluation, and other areas on which the international reputation of the Union has been established. Also, the discontinuance of all the current Commissions after 2001 does not mean the termination of work for many scientific volunteers around the world on whom IUPAC depends. In fact, the new project-driven system, together with the IUPAC Fellows pro-

gram, will make it easier for active workers to continue service to the Union without arbitrary time limits. Concurrently, the new system opens up participation to the entire worldwide community of chemists. I anticipate that the competition of ideas for new projects and the influx of new workers to join more experienced IUPAC veterans will improve the vitality and relevance of our work in coming years.

The last two years have been very productive for IUPAC, as I described in my State of the Union message, published in *Chemistry International* in September. I am particularly pleased that the Strategic Plan adopted last year has set out a broad road map for IUPAC and that the structural changes now provide the means for effectively carrying out our work. The challenge now for all of us is to channel our efforts into the most useful, productive, and appropriate activities for IUPAC to benefit the chemical sciences.

Professor Joshua Jortner
President of IUPAC

5. Prof. L. Sydnes was elected to the Executive Committee by the Bureau.

Council Actions

1. Approved the change of Bylaw 4.307 (see Attachment 1). The results of the ballot were as follows: For: 123; Against: 3; Abstain: 7.
2. Approved the continuation of all existing Commissions until 2001 under Bylaw 4.302, and their termination after 2001. The results of the ballot were as follows: For: 101; Against: 6; Abstain: 26.
3. Approved the Membership and Terms of Reference of the Project Committee and the Evaluation Committee as Standing Committees.
4. Approved the changes in the Terms of Reference of the Joint Committee on Biochemical Nomenclature proposed by the International Union of Biochemistry and Molecular Biology.
5. Approved that the Chairman of the CTC be made an *ex officio* (nonvoting) member of the Bureau, joining the Chairmen of COCI and CHEMRAWN.
6. Approved the appointment of Batchelor, Tillery and Roberts as the Union's Auditors for 1997–2000.
7. Approved the budget and National Subscriptions as proposed by the Treasurer. The results of the ballot were as follows: For: 85; Against: 18; Abstain: 26.
8. Approved the transfer of the Commission on Biotechnology to Division III.
9. Approved the change of the name of Division III to the Division of Organic and Biomolecular Chemistry.
10. Approved the change of the name for those organizations currently known as Observer Countries to Associate National Adhering Organizations.
11. Approved the continuation of the Affiliate Membership Program, subject to a biennial report by the Secretary General to Council.
12. Approved the dates and location of the 41st General Assembly and 38th Congress: 29 June–8 July 2001, Brisbane, Australia.
13. Approved the dates and location of the 42nd General Assembly and 39th Congress: 8 August–17 August 2003, Ottawa, Canada.
14. Approved the application of the Turkish Chemical Society for National Adhering Organization status.
15. Approved the application of the Bulgarian Academy of Sciences for National Adhering Organization status.
16. Approved the recommendations on nomenclature and symbols approved by IDCNS in the previous biennium.
17. Established an IUPAC prize for recent Ph.D.s. There will be up to four prizes per year of

USD 1 000. The winners for each biennium will also be brought to the IUPAC Congress.

18. Approved a program to provide support of up to USD 10 000 for up to two conferences per year in developing and economically disadvantaged countries.
19. Approved the change in the National Adhering Organization for the United Kingdom from the Royal Society to the Royal Society of Chemistry.
20. Approved the Division Officers elected at the General Assembly (see Attachment 4).

Bureau Actions

1. Issued a Policy Statement on National Representatives (see Attachment 2).
2. Issued a Policy Statement on Continuity in Scientific Activities (see Attachment 3).
3. Asked the President to establish an Ad Hoc Committee on Future IUPAC Strategy for Chemical Nomenclature.
4. Asked the Vice President to chair an Ad Hoc Committee on the Relationship of IUPAC with Chemical Industry.
5. Asked the President to establish an Ad Hoc Committee on Strategy for the Union's Education Activities.
6. Classified the current Standing Committees as follows: The Committee on Chemistry and Industry (COCI), CHEMRAWN Committee, and Committee on Teaching of Chemistry (CTC) are designated as Operational Committees. The Executive Committee, Finance Committee, Committee on Printed and Electronic Publications (CPEP), Interdivisional Committee on Nomenclature and Symbols (IDCNS), Project Committee, and Evaluation Committee are designated as Advisory Committees.
7. Discharged, with thanks, the Ad Hoc Interdivisional Committee on Biomolecular Chemistry.
8. Approved the following subscription rates for *Pure and Applied Chemistry* and *Chemistry International* proposed by the Committee on Printed and Electronic Publications:

PAC

Institutional	USD 1 166 (unchanged)
Institutional (3-year subscription)	USD 999 per year (new)
Individual	USD 99 (reduced from USD 130)

CI

Institutional	USD 99 (reduced from USD 122)
Personal	USD 45 (reduced from USD 49.50)

9. Recommended to CPEP that *Chemistry International* be sent free to all subscribers to *Pure and Applied Chemistry*.
10. Approved a fund of up to USD 25 000, to be matched by the local organizers, to support the participation of scientists from developing and economically disadvantaged countries in the 38th Congress in Brisbane.

Attachment 1. Text of Bylaw Change, Council Agenda Item 16

Current:

B4.307 Titular Members of Commissions have the right to receive contributions towards travel and subsistence expenses from funds of the Union as authorized by the Treasurer acting on behalf of the Union. Contributions may be made to Associate Members or members of subcommittees on recommendation of the Division or Section President and with the agreement of the Treasurer.

New:

B4.307 Members of IUPAC bodies may receive contributions towards travel and subsistence expenses from funds of the Union, as authorized by the Treasurer. The Bureau shall establish procedures and guidelines for the approval of such expenses.

Attachment 2. National Representatives: A Policy Statement by the Bureau, 12 August 1999

The Bureau has discussed the role of National Representatives, particularly in relation to the integrated program approved by the Bureau in September 1998 to improve the organization and management of IUPAC's scientific activities. Bylaw 4.305 provides for the nomination and appointment of National Representatives, but defines their role solely by stating that they may attend Commission meetings. In fact, National Representatives participate in a range of activities within Commissions and Standing Committees, particularly the Committee on Teaching of Chemistry. The program approved by the Bureau envisions the termination in 2001 of current Commissions and ultimate reliance on a much smaller number of Commissions, together with a large number of Task Groups formed to carry out specific projects.

One of the aims of the new program is to open participation in IUPAC activities to the worldwide chemistry community. Any individual or group in any country or countries may submit a proposal for an IUPAC project and recommend people to carry out the project. The project-driven system thus has the potential to broaden participation internationally. However, the Bureau believes that each National Adhering Organization should have assurance that its scientists can par-

ticipate in the full range of the Union's activities. The program approved last year specified that a limited number of National Representatives may be named to Division Committees, which will become the focus of the scientific activities. Although the size of each Division Committee must remain relatively small in order to carry out its business efficiently, the Bureau believes that some flexibility in numbers of National Representatives should be allowed.

Several NAOs have indicated that they would be able and willing to recommend candidates for Task Groups. In addition to such names being considered as part of the core membership of the Task Group, the Bureau believes that each NAO should be able to nominate National Representatives in much the way that they have nominated such Representatives to Commissions. Since each Task Group is to be devoted to a specific project, a National Representative must clearly be qualified and be willing to participate in the project.

The Bureau has adopted the following policies:

A National Representative, as defined in Bylaw 4.305, may be appointed as a nonvoting member of a Division Committee on nomination by a National Adhering Organization (NAO) and approval by the Division Committee. Normally the number of National Representatives on each Division Committee will be limited to six, but the Executive Committee may approve a larger number if requested by a Division Committee. A National Representative to a Division Committee is expected to participate (usually by e-mail) in the work of the Committee, including the provision of advice, where appropriate, concerning proposals for projects and Task Groups. The term of appointment is two years, renewable once. Exceptional circumstances must be established and approval of the Executive Committee must be obtained for appointment of a National Representative from a country that already has a Titular or Associate Member on the Committee.

A National Representative may be appointed to a Task Group on nomination by a National Adhering Organization and approval by the chairman of the Task Group. [In some instances the Division President or Chairman of the Task Group may suggest to the NAO the nomination of a specific person.] The appointment will normally run for the duration of the Task Group. A National Representative to a Task Group is expected to have expertise in the subject of the Task Group's project and to contribute (normally by e-mail) to the work of the Task Group.

Travel and subsistence expenses of National Representatives are normally not paid by IUPAC. National

Adhering Organizations are encouraged to provide funds or to seek outside funds to permit occasional participation of National Representatives in meetings of Division Committees and Task Groups.

The Bureau has asked the Secretary General and the Secretariat to remain in close contact with NAOs and with Division Officers to ensure that these provisions are fully implemented and that National Representatives are given an opportunity to participate actively.

Attachment 3. Policy Statement by the Bureau, 12 August 1999

The Bureau is aware of the concerns expressed by a number of members of IUPAC bodies regarding continuity in

scientific activities with implementation of the two actions requested of Council in Agenda Items 16 and 17.

The Bureau wishes to emphasize that it is not the intention of the changes that it has proposed to discontinue nor even to interrupt those activities, such as the collection and critical assessment of useful data, the work on atomic weights and isotopic abundances and on chemical nomenclature, on which the international reputation of the Union has been established. The proposed changes will provide more flexible and effective structures within which these activities will continue. The two-year interval until 2001 is intended to give adequate time for all our activities to be reviewed and for the putting in place of the most appropriate structures, including some new commissions, to carry forward the work of the Union.

Attachment 4. Division Officers for 2000–2001

Division	President	Vice President	Secretary	Past President
I	G. Wilson	J. Ralston	G. M. Olofsson	T. Cvitas
II	J. Corish	G. M. Rosenblatt	To Be Named	NA
III	T. Norin	T. T. Tidwell	D. Black	U. K. Pandit
IV	R. Gilbert	R. Stepto	W. J. Work	NA
V	F. Ingman	D. S. Moore	H. K. Powell	NA
VI	W. Klein	K. Racke	P. T. Holland	J. Miyamoto
VII	C.-G. Wermuth	A. Kallner	B. Heinzow	NA

NA=Not Applicable

Newly Elected IUPAC Officers and Bureau Members

Prof. P. S. Steyn, Vice President and President Elect, has been an Elected Member of the Bureau and the Executive Committee since 1996. His past IUPAC service also includes the following: Member of the South African National Committee for IUPAC (1973–present); Associate Member of the Food Contaminants Commission (1973–1978); Titular Member of the Food Chemistry Commission V1.1 (1979–1987); Vice Chairman of the Chemistry Commission VI.1 (1983–1987); Member of the Applied Chemistry Division (1987–1997) and Vice President (1989–1991); Member of the Bureau (1991–1995); President of the Applied Chemistry Division (1991–1995); Member of the Division Committee of the Division of Chemistry and the Environment (1996–1999); Member of the Editorial Advisory Board of Chemistry in the 21st Century (1991–1997); Member of the Committee on Publications and Electronic Printing (1996–1999); Member of the Committee on the Teaching of Chemistry (1996–1999);

Member of the International Scientific Advisory Committees for the IUPAC Mycotoxin Symposia held in Paris (1976), Lausanne (1979), Vienna (1982), Paris (1985), Tokyo (1988), Mexico City (1992), and Rome (1996); Chairman of scientific sessions at most IUPAC Mycotoxin Symposia; Member of the Organizing Committee of the 13th IUPAC Symposium on the Chemistry of Natural Products, Pretoria, August 1982, and Chairman of the Finance Committee; Chairman of the Organizing Committee of the Sixth IUPAC Symposium on Mycotoxins and Phycotoxins, Pretoria, 22–25 July 1985 and Chairman of the Finance Committee; Organizing Chairman of the IUPAC Symposium: A Sustainable En-



Prof. Pieter S. Steyn