

IFIP

Minutes of Council and General Assembly Meetings

15 – 19 October 1973

TORONTO UNIVERSITY CAMPUS

COUNCIL MINUTES

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COUNCIL MEETING

Toronto, Canada - 15 – 17 October 1973

ATTENDANCECOUNCIL Members Present

H. Zemanek	President
A. A. Dorodnicyn	Past- President
A.S. Douglas	Vice-President
E Goto	Vice-President
S. Sem-Sandberg	Vice-President
P.A. Bobillier	Secretary
J. Tuori	Treasurer
D. Chevion	Trustee
S. D. Duyverman	Trustee
R.I. Tanaka	Trustee

COUNCIL Members Absent

L. Iliev	Trustee
Y. Mentalecheta	Trustee
R. Moreno-Diaz	Trustee

Invitees Present

J.N.P. Hume	Hosting Member Society
E.L. Harder	Past Treasurer
A. van Wijngaarden	TC-1, Chairman
T.B. Steel, Jr. (only 16.10)	TC-2, Chairman
D.H. Wolbers	TC-3, Chairman
A.V. Balakrishnan	TC-7, Chairman
P. Renard	Chairman, Admissions Committee
W.L. van der Poel	Chairman, Finance Committee
D. Kroneberg (only 16.10)	Chairman, Publications Committee
P. Svenonius	Chairman, Congress 74 Organizing Committee
N.J. Lehmann	Chairman, Nominations Com. Vice-Pres.
J.M. Bennett	Chairman, Nominations Com. Trustees

Observer

P. J. Dixon	IAG Representative
K. Samelson	Nominations Com. Trustees, Member

Invitees Absent

F. Gremy	TC-4, Chairman
T.J. Williams	TC-5, Chairman
A. Curran	TC 6, Chairman
H. Freeman	Chairman, Congress 74 Programme Com.
P. Armer	Chairman, Com. on Computers and Society
J. Raben	Chairman, Com. on Comp. Applic. Humanities
E. Herbert	Chairman, Public Information Committee

In Attendance

Miss Erika Bosshard	Secretary to P.A. Bobillier
G. Kögl	Secretary to H. Zemanek
Miss Ch. A. Royez	Administrative Secretary

1. CALL MEETING TO ORDER

The President welcomed all the participants and observers and called meeting to order

2. MOTIONS ON AGENDA AND APPROVAL

The President recommended that only urgent matters be discussed before the General Assembly Meeting in order to avoid loss of time with double presentations.

Council unanimously APPROVED the agenda.

3. REVIEW OF LAST MINUTES (C1-Munich-73)

Mr. Sem-Sandberg, referring to page 11 – point 5.8 – IAG, reading: “Mr. Sem-Sandberg apologized for not presenting a formal 1973 Budget to the Council”, said that this should be corrected as there was no justification for apologies from his part on this point.

Council unanimously APPROVED the Minutes.

4. EXECUTIVE BODY REPORTS

Mr. Bobillier made the Council aware of the fact that the distribution of the Annual Report had not been possible at the expected time as several documents had not reached the Secretariat before the indicated deadline of 15 July. A better cooperation was requested for the coming year: The Committee Chairmen and Secretaries as well as the Vice-Presidents in charge of collecting the reports on activities should keep in mind that in a Congress year the deadline would have to be fixed roughly three months earlier than in normal years.

Mr. Duyverman, as IAG representative, expressed concern on this point explaining that the IAG report could not be issued without approval of the General Conference mainly with regard to financial matters, and therefore sufficient delay should be given between the date of the General Conference and the requested deadline for submission of the subsequent report.

The President replied that the purpose of the Annual Report should be clearly understood: It should present a general view of the activities which have taken place in a past period, that is to say a set of facts which could no more be changed and therefore needed not to be approved by any official body.

Mr. Bobillier made clear that the meaning of distributing an Annual Report long before a General Assembly was:

- 1) To bring the meetings' participants a complete set of informations on the various IFIP activities during the covered period.
- 2) To avoid loss of time in carrying basic informations through the meetings' sessions so that discussions may be focused on important issues requiring a decision from the General Assembly: A short report, presenting the more recent items and the formal suggestions and / or proposals was then to be issued at the time / or just before, the date of the meeting and it should then be possible to immediately bring these matters to attention without necessity of an extensive background exposure.

Council NOTED the recommendation.

Mr. Tuori presented a proposal for a conversion of the membership dues into Swiss Francs explaining that this was brought as a result of the discussions held in June 73 when the Finance Committee had met. New figures were presented based on a conversion rate of US\$ 1,-- = SFr. 3,--)

At the same time a revised dues schedule was presented justified by the necessity to support an increase in the Budget.

The discussion which followed showed that the unfortunate occurrence of fluctuations in international trade would undoubtedly make it uneasy to treat all countries equally and to avoid that those countries which have now a less favourable position in relation to the Swiss Franc will pay to a considerable extent for the difference, especially if the basis for conversion is taken at the rate which was current at the time when the first schedule was set up, namely 4.3, as suggested to straighten the Budget situation.

Council AGREED that the substantial increase in costs resulting from the world trade situation was a main point and that it was urgent to re-establish the reality of the present situation in converting the dues in local currency. However, it was not possible to take a decision at present with regard to the rate to be adopted, as some time should be given to the representatives of member countries to report the matter to their national society.

Council therefore DECIDED that as a first step, the conversion in Swiss Franc was desirable at the present rate for all fees and that a further recommendation should be made for an increase of the fees. The General Assembly representatives should already be urged to consult their home societies in order to have subsequent changes adopted soon.

The Treasurer was requested to carry out the inquiry and to develop a new dues structure on the basis of the answers received. It was expected that this should result in an increase of the dues income of 10 to 15% which was felt as urgent necessity considering the increase in expenditures already paid for an IFIP's account over the past years.

Mr. Bobillier explained that the Administrative Secretariat kept permanent figures of the state of expenses for each budget item and that this could be obtained at any time upon request.

5. TECHNICAL COMMITTEES AND IAG

5.1 TC 1 TERMINOLOGY

Mr. van Wijngaarden expressed his wish to resign from chairmanship of this Committee. TC 1 had edited a book under the guidance of Mr. Gould and the "Guide to Concepts and Terms in Data Processing" had been published since 1971 by North-Holland. It was then stated that a second volume would be edited. However, requests had been sent to all national representatives to supply TC 1 with the translations of terms but with very few results. Lack of cooperation was felt so that the work could not be carried out. Mr. van Wijngaarden therefore asked for a suitable solution to this problem

Mr. Tanaka replied that the Executive Body could offer its help to TC 1 in trying to solve this problem and asked Mr. van Wijngaarden what kind of support he would expect to overcome the present difficulties.

Mr. van Wijngaarden answered that the difficulty was to find a person with the required capacity and understanding of the matter and that when a proper person existed it was not possible to press this person to do the work. His personal attempts had failed.

The President asked Mr. van Wijngaarden if he would accept to give another try if a recommendation was made to the General Assembly strongly urging the Members to give their immediate support in view of obtaining the missing translations.

Mr. van Wijngaarden agreed to the principle. However, he noted that it is not practical to publish volume 2 without the translations in languages such as German, Italian, Russian and Spanish.

Council therefore RECOMMENDED that rather than accept Mr. van Wijngaarden's resignation a resolution should be presented to the General Assembly on this issue.

5.2 TC 2 PROGRAMMING LANGUAGES

The matter of the ISO Recommendation R 1538 on Algol 60 was considered to be solved. TC 2 report would be presented at the General Assembly Meeting.

5.3 TC 6 DATA COMMUNICATIONS

Mr. Sem-Sandberg reported on the work of this Technical Committee which had met on 17th September for the second time this year. The main question raised was how to support UNISIST in its project to create an international network. A coordination of studies involving other IFIP Technical Committees' activities and also a coordination within the Executive Body and Council were desirable to comply with the implementation of the planned work with UNISIST.

A leading project of TC 6 was also to conduct research in the area of packet switched networks and experimental connections of these networks. A proposal was therefore submitted for the creation of a new Working Group (WG 6.1) on International Packet Switching. WG 6.1 would attempt to present some wide papers at Conferences on packet switching and two additional meetings would be scheduled in 1974.

Mr. Sem-Sandberg also reported on the attempts made by TC 6 to define the policy of a joint work with CCITT:

Mr. Douglas asked for more details on the current position with regard to the work of CCITT.

Mr. Sem-Sandberg replied that non-governmental international organisations admitted with non-consultative representation.

Mr. Douglas asked that any point decided by TC 6 regarding the work with CCITT or UNISIST be reported to ICIL.

The President pointed out that Mr. Curran had made a rewarding effort to carry out the cooperation with CCITT and with UNISIST.

Mr. Sem-Sandberg thanked TC 6 for its very dedicated contribution in its field.

5.4 TC 7 OPTIMIZATION

Mr. Goto drew the attention of the Council to the following decisions taken by the last Council meeting in April: 1) To look into the possibility of proposing lecturers for a Symposium on Mathematical Theory of Optimal Control to be held in January 74 in Warsaw. 2) To refuse IFIP sponsorship to the IRIA-Laboria Symposium on Computing Methods in Applied Sciences and Engineering to be held in Paris 1973, December 17-21.

Mr. Balakrishnan, TC 7 Chairman had not received the Minutes of the April Council Meeting and was not informed of the decision taken concerning the two requests for sponsorship presented in Munich by Mr. Goto.

- 1) Concerning the proposal to appoint lecturers, this was not necessary any more as the Polish Academy of Sciences had already established the board of lecturers.
- 2) Sponsorship for the IRIA-Laboria Symposium had been refused by the Council on the basis that this event had no sufficient international character. However, Mr. Balakrishnan pointed out that the list of invited speakers included in the Annual Report – page 52 – showed well that this event was internationally represented and therefore Council requested to revise its decision and to grant IFIP sponsorship to the Symposium. No financial obligation of any kind was involved.

The President wished to remind that IFIP sponsorship was usually granted to events organized by or held in conjunction with Technical Committees' activities or Working Conferences and therefore the request was an unconventional procedure within IFIP.

Mr. Balakrishnan answered that this request was in keeping with the general aim of IFIP as an attempt to favour the sharing of experience gained in an area where the specific activities of the Technical Committee was involved.

Considering that this event has a truly international representation and also in view of the fact that the Vice-President is in favour of giving IFIP's support, Council unanimously DECIDED to grant sponsorship to the Symposium.

Mr. Balakrishnan then presented a proposal already accepted by TC 7 for the establishment of a new Working Group on Numerical Techniques. The proposed chairman, Mr. Lions, had been prevented to attend the meeting as invited observer because of other commitments.

The Aims and Scope of the proposed Working Group were presented as follows;

Aims: To foster international exchange of ideas and experience in the area of Computational Techniques with particular emphasis on distributed systems arising in diverse disciplines such as Mechanics, Economics, Biomedical Engineering, Geophysics, etc.

Scope: Included in the scope of the activity of the Working Group will be the following specific topics:

Computational Techniques for identification and
Optimal Control of Systems Modelled by Partial Differential Equations

Computational Techniques for Structural Problems, Elasticity, Plasticity, etc..., including various approaches such as:

finite Element Approximation Techniques
Decomposition Techniques
Interactive and Graphic Computer Techniques

Considering that to the attendees' cognizance no other international body was presently undertaking parallel activities, the principle of constituting a new Working Group along these lines was unanimously APPROVED. However, it was indicated that emphasis would be given to computational techniques, and therefore it was proposed to change the title "Numerical Techniques" to "Computational Techniques in Distributed Systems". Council unanimously APPROVED this change and RECOMMENDED that a meeting be held with the TC 7 and WG 7.1 chairmen and Mr. Lions to decide the formation of the Working Group on Computational Techniques in Distributed Systems.

5.5 IAG Budget

Mr. Sem-Sandberg commented the proposed Budget for 1974 (Document B2b):

The figures were shown in both dollars and Dutch guilders. This had been done along the same line as the presentation of the IFIP Budget in Swiss francs in view of the currency fluctuations. The Budget for 1974 seemed rather optimistic if related to the results presented for the year 73. The accumulated results showed a total deficit of \$19,272.78 as per 30 July 73 of which \$11,155.67 were the deficit for 73 at that date. It was to be noted on the other hand that the increase on expenditures in 73 was due in great part to the consequences of the dollar devaluation.

Mr. Dixon asked the Council to look behind the figures and at the activities involved.

Three major points of concern came out of the discussion:

A) The relationship between the orientation of the IAG activities and the interest of the individual contributors: The intent of the IAG General Conference on this issue should be clear and it was asked if a suitable proposal had been studied to check the interest of the partners.

It was explained that a Development Committee had been appointed by the General Conference whose tasks were described as follows:

1 – To plan the development of IAG so as to respond to the fullest possible extent to the needs of its partners, and to enhance the standing of IAG in the EDP Community.

2 – To obtain by questionnaire and by direct contact with partners a full understanding of partners' wishes and to assign an order of priority to the recommended actions.

3 – The General Conference had directed the Board of Directors to implement as fully and rapidly as possible the plans of this Committee.

4 – Some persons had already been invited to serve on this Committee, namely Messrs. Erbach, Verhelst, Leskovar, Nord, Canning, Tozer, Bauknecht or Minder.

B) The development of IAG activities toward creating better ground to make more profit on the operations in the future and the specification of how the income from activities should be used.

C) The relationship between what was expected from the participation fees and the expenditures incurred over the same period of time. It was wished that the two figures get closer to one another than it had been observed in the past and it was recommended that at least the general administrative overhead be covered by the participation fees.

For 1974, the partnership fees had been fixed by the General Conference as follows:

- Dfl. 500,-- for partners in Europe except Yugoslavia
- Dfl. 500,-- for Canada and USA
- Dfl. 350,-- for other countries.

Council AGREED with one abstention to recommend to the General Assembly to accept the IAG Budget.

Mr. Sem-Sandberg then presented the recommendation of the IAG General Conference to institute IAG "Individual Associates". This recommendation was contained in Document A1 which also defined the Individual Associate's eventual prerogatives and entitled the IAG Board of Directors to formulate the necessary changes in IAG bylaws. Another Document, A2 was also submitted to the Council, defining the restrictions for the distinction of "Honorary Fellow".

Document B/4, presenting the corresponding proposals for changes in the IAG Bylaws was then distributed by Mr. Duyverman and the following discussion was held:

Mr. Tanaka pointed out that item 10) of article 5) of Document B/4 concerning Membership and Partnership stated that there would be no restriction at all to become an Individual Associate. This article proposed to add the following paragraph to the IAG Bylaws:

- 10) "Any person not being able to participate in IAG through member – or partnership as mentioned under (1) and (2) of this article, may be admitted by IAG as an IAG associate.
An IAG associate has no voting rights in the General Conference."

Mr. Chevion supported Mr. Tanaka's remark and asked who would fix the partnership fee.

Confirmation was the given by Mr. Duyverman that the wording of Document B/4 had not yet been accepted by the General Conference.

It was therefore suggested that the question of how individual partnership should be specified would have to be decided first by the IAG Board of Directors who would then channel their proposals to the Statutes and Bylaws Committee of IFIP. A final proposal would then be presented to the General Assembly within a reasonable delay with a request to give authority to the Council to make a final decision on this issue.

The President had some objection to the wording of Document A2, "Honorary Fellows".

Mr. Tanaka proposed the following motion:

"Council approves the ideas of having both Individual Associates and Honorary Fellows in IAG, however this was to be qualified by specific wording of the Bylaws".

Council unanimously APPROVED on their principle the two ideas contained in this motion.

The President then proposed that this be not yet passed to the General Assembly and that a complete document be prepared for consideration and answers at the next Council and General Assembly meetings.

Council APPROVED the recommendation.

In the same line a new version of the Draft Rules for IAG Desks should be studied by the IAG Board of Directors including the changes that will be made in the Bylaws.

Further IAG issues such as the recommendations on activities and the procedure for organisation of IAG Seminars and Symposia by local IAG organisations and decisions on IAG publications, were postponed for presentation to the 1974 General Assembly meeting.

5.6 IFIP FOUNDATION

The President presented the draft report CGA-Toronto-73/IAG/73:

- 1) The Foundation Board had two meetings in 1973:
 - on April 10, in Munich and
 - on June 20, in Amsterdam
- 2) The Foundation Act and the lease contract with Dutch Crown-Land Authorities were passed and signed.
- 3) An IFIP credit guarantee of Dfl. 55.000,-- was put at the disposal of the Foundation through the "Algemene Bank Nederland".
- 4) The agreement between IAG and the Foundation Board has been accepted by the IAG VIth General Conference and by the Foundation Board.

Council NOTED the report.

6. COMMITTEE REPORTS

6.1 FINANCE COMMITTEE

This item was left for discussion at the General Assembly meeting.

6.2 ADMISSIONS COMMITTEE

Mr. Renard reported on the new applications received:

Two applications had been carefully examined and were proposed for admission:

- 1) The Computer Society of India
- 2) The New Zealand Computer Society

A representative from the Computer Society of India was expected to arrive on October 19th.

A third Society had made a pre-application for admission into IFIP: The Irish Computer Society. However, the formal application of this candidate was subject to the question of the annual subscription fee: Substantial documentation had been provided by the applicant which showed that this society would not be in a condition to pay more than US\$ 125,--. The question therefore raised here was: Should IFIP admit such small societies which may after their acceptance have financial problems such as to send delegates or representatives to IFIP meetings or main events.

Mr. Sem-Sandberg wished to state that to his knowledge the Irish Computer Society was developing towards increasing contribution to the Computer Community. He therefore recommended that in spite of its small size and in consideration of its valuable activity, the Irish Computer Society be admitted into IFIP. The question of the fee could be negotiated so that a lower fee may provisionally be accepted.

Mr. Tuori underlined that such a proposal had not been presented before and that if accepted it should then be considered as a very exceptional case.

Furthermore, it was acceptable only if this society was a fastly growing one so that the initial fee could be revised and raised to a standard fee within a delay which should be previously fixed.

Mr. Sem-Sandberg then proposed that when negotiating it should be made a strong point that, as a rule, US\$ 250.—is the minimum membership fee and that US\$ 125.—will be accepted until the society's own membership exceeds 500 members.

Council ACCEPTED the proposal and DECIDED that the fee should in any case be revised after a 3 years' term after which the initial fee will no more be considered as enough.

6.3 ICIL - INTERNATIONAL LIAISON

Mr. Douglas proposed a formal motion to welcome the nomination of Dr. H. Mahler appointed as WHO Director General and of Dr. Chang Wei Hsun appointed Assistant Director General.

Council unanimously APPROVED the motion.

Mr. Douglas then reported on the Program for Education in Librarianship undertaken by UNESCO and said that ICIL would recommend to a Task Group to present the proposal of a new Working Group in this area to implement the work of UNISIST and the Abstracting Board and to study how to include in all IFIP publications abstracts in a form suitable for classification. ICIL also recommended to APC the establishment of a Task Group to study the submission of a committee to select experts.

Mr. Douglas also called the attention of Council to a request made to the British Computer Society to join an international activity in the field of data processing. The approach had been made by the "Arbeitsgemeinschaft für Datenverarbeitung" (ADV). Attention of the Council was also called to the proposed transnational ACM activities and to the difficulties which may arise in this eventuality.

Concerning the Liaison with Intergovernmental Organisations: The situation of relationship with IBI-ICC was not very satisfactory and would have to be further clarified.

Mr. Douglas recommended that any correspondence with international bodies be copied to ICIL in order to avoid misunderstanding such as the one which had occurred with ITU: A request for financial contribution had been received from this organisation when no formal application had been made.

6.4 STEERING COMMITTEE FOR WCCE

Mr. Chevion presented the reviewed Budget prepared by the Organizing Committee (CGA-Toronto-73/ST WCCE-2) and the Progress Report (STC- WCCE-1).

This Budget showed expenditures amounting to US\$ 190.909 (= 840,000 French francs) and an income of US\$ 196.227 (=863,400 French francs) which meant an estimated surplus of a little less than US\$ 6.000.--

It was hoped that the next version of the report will show a higher surplus, as contributions were expected from several sources such as OECD and IBM. The registration fee could be revised if these contributions are substantial in order to encourage participation.

The President asked how the question raised in Munich about the budgeting of social events and translations had been answered.

Mr. Chevion answered that these items had been separated in the Budget. He reported that the feeling of the Steering Committee was that IFIP should be mentioned as contributing party.

Mr. Bobillier mentioned that it had been decided in Sofia to make a loan of US\$ 10,000.—of which US\$ 5,000.—could be considered as a grant in case of a deficit.

Mr. Chevion insisted that a firm grant of US\$ 5,000.-- was requested and that this was an important matter of policy. The funds had been so far provided by AFCET and the French Government and the presented Budget did not take into account any contribution from IFIP.

Mr. Tanaka observed that the surplus margin would disappear with only 10% less participation, which was a very tight estimate.

Mr. Douglas noted that if the expected registrations were not obtained IFIP would lose its liabilities in terms of loan.

Mr. Sem-Sandberg said that in terms of IFIP policy events of that kind are generally expected to bring some income. This was only possible if the fees are low enough to allow an extensive participation: This was the intent of IFIP when stepping in in terms of budget. This participation was guaranteed: From Scandinavian countries, there was not much to be expected as the date fell at the beginning of a term and also because the fee was too high. The Budget should therefore be revised.

Mr. Chevion insisted on IFIP's firm contribution explaining that this would most probably remain on the paper as the Congress will according to very fair estimates bring more surplus than expected.

Council AGREED that the IFIP contribution had to be discussed again by the General Assembly.

6.5 CONGRESSES

6.5.1 Congress 71

The President indicated that the books for Congress 71 were closed as the surplus still owed in April 73 had entirely been transferred to the IFIP account in Geneva.

6.5.2 Congress 74

Mr. Svenious indicated that the Budget presented in Munich could still be considered as realistic. The contract between St. Erik's Fair and the Convention Bureau in charge of organizing the Congress services had already been signed and the "invitation-action" folder will be distributed by 1973, November 1st.

Concerning the Exhibition, orders for about 1000 square meters had already been received from 5 companies and several other companies had shown interest for another 1000 square meters exhibition space.

Contacts had been made with press representatives in USA; France, U.K., Denmark and Sweden to prepare for the advertisement of both Medinfo and Congress 74.

Arrangements are under study to facilitate the payment of a portion of the participation fee in local currency in countries with currency restrictions and other arrangements are being made for travel expenditures with airline offices in these countries.

The preliminary registration as well as the number of announced papers indicate that participation will be high. This applies also to Medinfo the preparations for which are held roughly in parallel.

Council NOTED the report.

Mr. Sem-Sandberg reported on the first steps taken to form a separate Exhibit Programme Committee.

6.6 CONGRESS 77/80 SITE SELECTION

Council AGREED that five minutes would be given to the Site Selection Committee to present its report to the General Assembly and that each of the representative of countries having submitted a formal proposal would be given 10 minutes to present their offer.

6.7 CURRENCY COMMITTEE

Mr. Douglas explained the necessity to bring assistance to the countries limited by currency problems in order to encourage those countries to send more people to IFIP conferences. It was also felt that there should be more speakers to represent developing countries in IFIP events. Along these lines an experimental step could be taken by opening a bank account in the Soviet Union where, for instance, the registration fees for Congress 74 could be paid by Eastern European countries. The funds would in return be used to encourage attendance to IFIP conferences and to cover the expenses of representatives from these countries.

Mr. Chevion asked what would be the amount to be foreseen as initial fund.

Mr. Douglas replied that this should be fixed according to expenditures over a certain period of time and also according to the number of people IFIP would expect to have from these countries in IFIP events.

Roughly, US\$ 9000,-- would correspond to an attendance of 100 people, covering printing expenses, secretarial help, hotels for delegates, etc.... so that initially US\$ 5000,-- could reasonably be budgeted. However, the details should be studied jointly by the Currency Committee and the Treasurer.

Council unanimously APPROVED the following resolution:

The Treasurer is authorized to negotiate the opening of an IFIP account in Moscow and to work out the details with the appropriate local Authorities.

This is to be considered as an experimental step towards encouraging countries faced with currency problems to send more delegates to attend IFIP events.

6.8 EDUCATION POLICY

An extensive report on education policy (CGA-Toronto-73/Educ-1) was submitted by Mr. Chevion. This document covers all IFIP activities in the field of education since TC 3 was created in 1963 and contains proposals for a review of aims and scopes for the next decade.

Unfortunately, the report had been distributed too late and Council APPROVED the President's suggestion to postpone the discussion on this document to the next Council and General Assembly meetings.

Mr. Sem-Sandberg mentioned some of the problems which TC 3 faces and pointed out that many organisations at national and international levels had been undertaking efforts in the education field which covered activities of TC 3 mainly in the area of WG 3.2 (Organisation of Educational Seminars) and WG 3.4 (Post-Secondary Education and Vocational Training) and this often with far larger means than what was made possible within the framework of IFIP. This was also true to some extent for the area of WG 3.3 (Instructional Use of Computers).

It was therefore recommended to establish better links and better sharing of experience with these organizations and also to organize working conferences and seminars in the field of the instructional use of computers.

Lines of policy toward developing activities in new areas should also be encouraged and could play an important part in the future.

The establishment of computer education curricula at different levels and a discussion on the different items proposed in the document submitted by Mr. Chevion were recommended.

Council AGREED to give these matters for consideration to the Review Committee for TC 3 and for discussion between the chairmen of the different Committees and Working Groups involved.

7. FUTURE COUNCIL MEETINGS – SITE FOR SPRING 1974

Mr. Tuori presented the invitation of the Finnish Data Processing Association to host the next Spring Council meeting. The date was fixed for 1974, March 4 – 5. The 1974 next Council and General Assembly meetings were to be held in Stockholm in the week before Congress 74.

For 1975, proposals were received from the Information Processing Society of Japan, presented by Mr. Goto, for the Spring Council meeting and from SUCESU, Brazil, for the 1975 Autumn Council and General Assembly meetings.

8. CLOSE OF THE MEETING

The President adjourned the Council meeting and thanked the attendees for their active participation.

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CLOSE OF THE MEETING

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GENERAL ASSEMBLY MEETING

Toronto, Canada - 17 – 19 October 1973

ATTENDANCEOfficers Present

H. Zemanek	President	Austria
A. A. Dorodnicyn	Past-President	U.S.S.R
S. Sem-Sandberg	Vice-President	Sweden
E Goto	Vice-President	Japan
A.S. Douglas	Vice-President	United Kingdom
P.A. Bobillier	Secretary	Switzerland
J. Tuori	Treasurer	Finland

Full Members Present

J.M. Bennett	Australia
G. de Manuel	Brazil
J.N.P. Hume	Canada
L. Gvozdjak	Czechoslovakia
TH Herborg-Nielsen	Denmark
P. Renard	France
N.J. Lehmann	German Democratic Republic
K. Samelson	Federal Republic of Germany
D. Chevion	Israel
W.L. van der Poel	Netherlands
H. Keilhau	Norway
R.I. Tanaka	U.S.A.

Honorary and Individual Members Present

I.L. Auerbach	Honorary Member
N.I. Bech	Individual Member

Associate Members Present

S. D. Duyverman	IAG
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Full Members represented by Proxy

D. Ribbens	Belgium
I. Iliev	Bulgaria
L. Lukaszewicz	Poland
V.E. Marting	South Africa

Proxy Held By

H. Zemanek
A. A. Dorodnicyn
A. A. Dorodnicyn
R.I. Tanaka

Full Members Absent

Y. Mentalecheta	Algeria
M. Milchberg	Argentina
J. Duran R.	Chile
R. Alvarez Marcer	Cuba
K. Doe	Ghana
I. Kadar	Hungary
L. Dadda	Italy
S.F. Beltran	Mexico
R. Moreno-Diaz	Spain
A.P. Zeleznikar	Yugoslavia

Committee Chairmen Present

A. van Wijngaarden	TC 1 Chairman
T.B. Steel, Jr.	TC 2 Chairman

D.H. Wolbers
J. Roukens
T.J. Williams
A. Curran
A.V. Balakrishnan

TC.3 Chairman
TC.4, in place of F. Gremy, Chairman
TC 5 Chairman
TC 6 Chairman
TC 7 Chairman

Committee Chairmen Absent

F. Gremy

TC.4, Chairman, excused

Standing and Ad Hoc Committee Chairmen Present

D. Kroneberg
P. Svenonius
H. Freeman
E.L. Harder

Publications Committee
Congress 74 Organizing Committee
Congress 74 Programme Committee
Recognition Committee

Invitees Special Interest Groups Present

P.J. Dixon

IAG

Invitees Representatives Present

J.C. Lozier
C.E. Law
R. Vichnervetsky

President, IFAC
Delegate IFORS
President, AICA

Observers Present

J.Y.S. Luh
J. Vlietstra
P.E. Green
C.C. Gotlieb
G.N. Boyd
J. Finch
M.C. Ashill
M. Chandrashekar
A.F. Kaldor

WG 5.1, Chairman
WG 5.2, Chairman
TC 7, proposed Chairman new WG 7.3
Committee for International Liaison
President, Canadian Computer Society
Canadian Computer Society
British Computer Society
Computer Society of India
Australian Computer Society

In Attendance

G. Kögl
Erika Bosshard
Ch.A. Royez

Assistant to H. Zemanek
Secretary to P.A. Bobillier
Administrative Secretary

1. CALL MEETING TO ORDER

The President opened the meeting and gave the desk to Mr. Boyd, President of the Canadian Computer Society, who said a few words of welcome to IFIP.

The President then greeted Mr. Law, representing IFORS and Mr. Lozier, representing IFAC and thanked the two sister federations for their spirit of cooperation. A very nice letter had also been received from Mr. Barg, of the New Technologies Section of the United Nations as well as from Mr. Sylla of UNIDO and a cable had been received from WHO. The International Council of Scientific Unions (ICSU) and FID had shown interest in sending representatives but this had not been possible. Our sister organisation, IMEKO, had been prevented to send a representative, but Mr. Vichnevetsky, new President of AICA was present on behalf of his organisation.

The President also welcomed Mr. Keilhau, who replaced Mr. Overgaard as representative of the Norwegian Joint Committee of Data Processing Societies and Mr. de Manuel who replaced Mr. Konishi as representative of SUCESU, Brazil.

Proxies had been received from the Belgian Society in favour of Mr. Zemanek, from the Computer Society of South Africa in favour of Mr. Tanaka, from the Bulgarian Academy of Sciences and from the Polish Academy of Sciences in favour of Mr. Dorodnicyn.

The quorum being obtained, the General Assembly had full power to take decision on all subjects.

2. MOTIONS ON AGENDA AND APPROVAL

General Assembly unanimously APPROVED the agenda.

3. REVIEW OF LAST MINUTES (GA-Sofia-72)

Mr. Tuori referred to point 7.3.1 of the Minutes: Programme Committee Congress 74, reading:

“Mr. Tuori stated that all Scandinavian countries would do all possible to make the Congress a big success and to ensure that the Nordic Conference be of as little detriment as possible to Congress 74”.

and requested the following modification:

“Mr. Tuori stated the Scandinavian concern on the programme and the work of the Programme Committee: There was no member of the Programme Committee from Nordic countries and up until the present time, there were no features in the planned programme which will especially attract the most potential group of participants: Scandinavians. He presented three proposals concerning this programme. He added that all Scandinavian countries will do everything possible to make the Congress a great success”.

General Assembly unanimously APPROVED the Minutes with the above modification.

4. OFFICER REPORTS

4.1 PRESIDENT

The President presented a short review of the activity period 1972-1973: Continuity of work and policy had been insured and a remarkable advance in new TC's and WG's had been made thanks to rewarding efforts. However, more support was needed from the national members of the General Assembly to find a suitable shape for IAG in all IFIP countries and also for a better public information work in order to keep and strengthen IFIP's position. Cooperation was requested for the promotion of Congress 74/Medinfo 74 and particularly for the Exhibition: The establishment of national committees for the advancement and preparation of these events was strongly recommended. IFIP will try to establish contacts with the new people being our partner in UNESCO. Attention was drawn to the necessity to straighten the financial situation and to produce more policy documents. A new area of activities was entered with the planned Conference on Human Choice and Computers to be held in

Vienna, 1974, April 1-5, which was an interesting attempt to get computer engineers and sociologists to join in one discussion.

4.2 SECRETARY

Mr. Bobillier said that a document containing a set of written rules for standing orders will be distributed.

Concerning the IFIP Information Bulletin, cooperation was required with regard to articles and correction of the contents. Regarding the reporting to the General Assembly, recommendation was made again to submit to the General Assembly only short documents containing suggestions and proposals to be presented for approval in order to shorten the time dedicated during the meeting's sessions to administrative matters. In order to obtain that result it was necessary to send a complete activities' report in time to permit the early distribution of the IFIP Annual Report.

It was indicated that there still was a need to appoint IFIP correspondents. The purpose of this nomination was to take from the General Assembly representative the work that he could not carry out himself.

Mr. Bobillier also indicated that the Secretariat will not be operating in the month of January 1974, the Administrative Secretary being on vacation.

4.3 TREASURER

Mr. Tuori presented the following documents:

4.3.1 T-1: Audited Accounts

Net assets at the end of 1972 amounted to US\$ 134,048.82. Total expenses were US\$ 45,845.66 and total income US\$ 42,715.66. The deficit amounted to US\$ 3,130.--. The expenditure was about US\$ 14,000.—below the original Ljubljana Budget in spite of the unbudgeted write off over US\$ 9,100.—of old loans. The income was greater than budgeted primarily because of the unbudgeted Congress surplus.

General Assembly unanimously ADOPTED the 1972 audited accounts.

4.3.2 T-2: Statement of Receipts and Expenditures for the period: 1973, January 1 to 1973, September 19.

Mr. Tuori indicated that the income side had been a very lucky one this year thanks to the payment of the royalties corresponding to sales over 1972: The budgeted figure was US\$ 6,000.—and the actual income was US\$ 26,494.17. He mentioned an error contained in this document on page 1(4): The title of the first column should read: "Receipts up to September 19th, 1973" rather than "Spent up to"

On the expenditure side, Mr. Tuori indicated that the Administrative Secretariat had been spending more than expected as a consequence of the dollar devaluation and the Sofia Budget had therefore to be revised.

On page 3(4) of Document T-2, the 4th item should read "Congress Organizing Committee" rather than "Congress 74 – Organization".

Attention was drawn on several payments made in 1973 which should normally have been accounted on the 1972 Budget. It was recalled that as a rule, expense requests received or paid after the end of the calendar year could not be accounted on the previous year's Budget.

General Assembly NOTED the report.

4.3.3 T-3: IFIP Dues Situation and T-8: Conversion of Dues to Swiss francs

Mr. Tuori said that a formal letter should be sent to Chile, Argentina and Mexico by the Admissions Committee, claiming their dues and stating the conditions contained in the bylaws concerning termination of membership in case a Member is more than three years in arrears with the payment of dues.

Mr. Renard asked why Ghana, which had not paid any fee before 73 and therefore should still be considered as owing two years is mentioned as owing nothing.

Mr. Tuori replied that he was asked by the President to forgive the unpaid back dues.

Mr. Renard asked if there had been any special motion on this point.

The President answered that:

1) As a rule IFIP does not accept a payment of a current year if the previous years have not been paid and therefore in such cases the amount received would be accounted as a back payment.

2) In the case of Ghana, he had been trying to help them to meet the membership requirements and he would continue to try to get the problems settled.

Mr. Dorodnicyn pointed out that the situation of Ghana was much the same as for the case of Argentina and Chile.

Mr. Douglas presented the following motion:

General Assembly agrees that should Ghana apply for the permitted reduced fee (50% of the minimum fee), the President is empowered to negotiate with the Information Processing Society of Ghana in terms that the money that they have paid extinguishes their current debt.

General Assembly unanimously APPROVED the motion.

Concerning Chile, already four years in arrear, and Argentina and Mexico, both already three years in arrear, General Assembly unanimously INSTRUCTED the Secretary to write to the concerned associations drawing their attention to the fact that they will be excluded from IFIP if they do not pay their back dues.

General Assembly REQUESTED the Admissions Committee to immediately look for a new member in those countries.

Concerning the conversion of membership dues to Swiss francs (Document T-8) Mr. Tuori explained that in order to re-establish the reality of the financial situation the conversion rate to be used be approximately what is was at the time the fees were fixed, that is US\$ 1 = Sfr. 4.3. The converted amounts according to this rate were therefore proposed to the General Assembly as new schedule.

Mr. Dorodnicyn said that it would be reasonable to wait with any change until the oscillating situation of the currencies will cease.

Mr. Tuori replied that it was impossible to foresee when this stabilisation will take place and that the dues schedule revision was an urgent matter.

Mr. Bobillier summarized the discussion held by the Council on this issue indicating that there should be two distinct steps: 1) The conversion of the dues at the present rate of US\$ 1 = Sfr. 3.00 and 2) The increase of the fees.

Mr. Douglas added that there was evidence for everybody that expenses had increased and that as an alternative measure the fees should be converted into Swiss francs so that it would restore the income amounts to the situation as it was at the time the dues were fixed.

Mr. Tuori expressed his wish to know the decision taken on the change in the schedule structure already at the beginning of 1974.

As no General Assembly Member could commit his National Society with an immediate decision on this change, it was further proposed that the Treasurer will submit a state of IFIP dues in Swiss francs at the old rate of 4.3 based on the current accepted schedule in dollars. This should be submitted to each Member Society with the recommendation that reaction be given before 1973, December 31. The document should be prepared by the Treasurer as soon as possible in order to speed up decision. It was made clear that in no case a National Society should pay less than they paid in the past in their national currency.

General Assembly APPROVED the proposals with three abstentions.

General Assembly also DECIDED to discuss this issue at the next meeting.

4.3.4 T-4: Cumulative Loans and Grants

Mr. Tuori indicated that the foot note reading: "Accounted as US\$ 1500 loan and US\$ 1500 grant etc...." should be crossed.

It was confirmed that the US\$ 2000.—to the Man-Machine Conference (Human Choice and Computers) is a loan and not a grant.

The loan to Congress 74 exceeded by US\$ 2,256.90 what had been budgeted for this item (US\$ 10,000.--). This was explained as a consequence of the dollar devaluation: The Committee had to receive what had been expected in Swedish crowns.

It was also confirmed that the US\$ 20,000.—appearing under the item IFIP subsidiary was to be considered as a kind of back guarantee to the IFIP Foundation. It should be clear, however, that this was not an investment but a normal expenditure on the loan's account.

4.3.5 T-5: Royalty Record

Mr. van Wijngaarden pointed out several errors and omissions in this report. In particular a number of authors and editors were missing.

The President asked Mr. Kroneberg to produce an updated list of IFIP publications.

4.3.6 T-6: Financial Summary

The results by mid-September 1973 showed a little better situation in net worth than expected. However, there were still a lot of expenditures to be incurred before the end of 1973. An increase of some US\$ 400.—in net worth could reasonably be expected.

4.3.7 T-7: Amendments to the 1973 Budget

This document contained only the changed items: The income was increased by US\$ 22,800.—mainly in consideration of the royalties received in 1973. On the expenditure side, several accounts were already ahead of the budgeted allowance and therefore had been revised to adapt to the real situation. A better examination of the Administrative Secretariat expenses showed that the final Budget on this item should be US\$ 21,860.—instead of the budgeted US\$ 14,780.--. Another important change was the Budget of Congress 74 – Programme Committee: The total figure should be US\$ 9,000.—rather than the budgeted US\$ 6,000.--. Approval was requested for a total increase of US\$ 13,580.—of the expenditures as budgeted in Sofia.

General Assembly unanimously APPROVED the amendments.

4.3.8 T-9: 1974 Budget

Mr. Tuori further presented this document giving all the budgeted figures since 1972 in Swiss francs in order to have a basis for comparison and presenting both requested amounts and proposed figures for the 1974 Budget: There was an increase in Secretarial expenses and on the other hand many of the submitted figures, particularly for Working Groups had been cut off which proved necessary in order to avoid deficit, as the expected income for 1974 was much lower than the 1973 income.

Mr. Tuori indicated that these changes had been made without any consideration of priority by only on the basis of expenses already expressed. It was also made clear that the vote was requested for the total budget of each Technical Committee and not for the details. The fact that the TC 3 and TC 4 expenses had been reduced more than others only meant that what had been spent up to the present time did not seem to justify higher amounts on these budgets. It was agreed that in case there would be some surplus in 1973, this would be made available for 1974 expenses upon request.

Mr. Renard and Mr. Bobillier expressed the wish that the Programme Committee Budget be included in the Congress Budget.

The President answered that it had always been IFIP policy to separate these two Budgets.

General Assembly unanimously APPROVED the 1974 Budget.

5. TECHNICAL COMMITTEES AND IAG

5.1 TC 1 TERMINOLOGY

Mr. van Wijngaarden presented the difficulties this Committee faces to fulfil its task, which presently was to produce a multilingual list of terms used in data processing as second volume of the already published "Guide to Concepts and Terms in Data Processing".

Letters had been sent to several of the General Assembly representatives. A few translations had already been obtained but could not be published yet, as a number of very important languages were still missing. This problem had been discussed in the Council meeting and it had been decided to request the General Assembly to give more support to the Chairman of TC 1 in this difficult task rather than to accept Mr. van Wijngaarden's resignation.

Mr. Sem-Sandberg said that it is very important to publish the volume as soon as possible and he suggested that, to speed up the procedure, there could be first a volume II containing the translations in the languages already available up to date and a volume III could be further published with the missing languages.

Mr. van Wijngaarden replied that this could be done if the General Assembly agreed to the decision but also if a reasonable offer could be obtained from the publisher which was not guaranteed, as a book containing translations in only minor languages could be discussed from the point of view of its commercial value.

Mr. Douglas suggested that separate booklets could be issued for each language.

Mr. Tuori replied that this was not recommended, as there may exist in many countries a national translation already available and the aim was to raise interest for an international translation. Mr. van Wijngaarden insisted on the initial ideas of producing an international work of a very good quality.

Mr. Samelson stated that to his knowledge the German translation had been started and that he would investigate immediately what the situation was.

Mr. Sem-Sandberg proposed the following motions:

- 1) The Chairman of TC 1 is instructed to examine the possibility of publishing the guide in two or more volumes so that one can have the needed translations in the languages already available.
- 2) The General Assembly is instructed to assist the Chairman of TC 1 with the translation of terms that he requires in order to accelerate the publications of Volume II.
- 3) The Chairman of TC 1 is instructed to write a small document describing the situation as well as his point of view on the exact assistance which he needs.

Mr. Tanaka asked what would be the schedule for the issue of the next volume.

Mr. van Wijngaarden replied that half a year would be needed to prepare the already translated terms and have it published, as a lot of editing was still needed.

Mr. Sem-Sandberg asked Mr. De Manuel if there was a possibility of having a translation in Portuguese. Mr. de Manuel replied that the matter was new to him and therefore he needed time to investigate the possibilities.

Mr. Goto indicated that he would try to provide a translation in Japanese.

General Assembly unanimously APPROVED the proposals.

The President insisted on the necessity to provide translations in the main languages.

5.2 TC 2 PROGRAMMING LANGUAGES

Mr. Steel presented his report (GA-Toronto 73 – TC 2-1).

The Committee had held two meetings since the last General Assembly meeting: 1973, April 9 -10, Munich and 1973, October 10-11, Toronto.

Mr. Steel indicated that participation was not satisfactory, for several reasons:

- 1) The schedule was not known long enough in advance,
- 2) Other activities were scheduled for the same period.

He recommended the General Assembly members to encourage their appointed representatives in TC 2 to participate in the Committee meetings.

WG 2.1 (ALGOL) had completed the “Proposed Revised Report on the Algorithmic Language ALGOL 68”. This report is available and a proposal was submitted for support of its publication.

WG 2.2 (Formal Language Description) had held a policy meeting in Paris in June 1973 and subsequently TC 2 requested IFIP to approve the following change in name and scope of Working Group 2.2:

Name: WG.2.2 Formal Description of Programming Concepts.

Scope: To explicate programming concepts through the development, examination and comparison of various formal models of these concepts. The models of concern must, at least in part,

1. apply to actual computing milieu;
2. have sufficient generality to describe total systems or useful subsystems;
3. treat either:
 - a) problem specification;
 - b) solution specification;
4. provide practical guides towards derivation of:
 - capabilities,
 - correctness,
 - equivalence,
 - implementability,
 - performance;
5. assist in standards development and specification;
6. have a pedagogical utility.

WG 2.2 (Programming Methodology) had met once since the last General Assembly meeting:

1973, April 2 – 6, Munich.

The main task was to conduct discussion on various topics and publish professional papers.

ALGOL Bulletin: Mr. Steel indicated that according to information received from Mr. Lindsey, there was a fair number of subscriptions.

Working Conference on Programming Teaching Techniques, held in September 1972, in Zakopane: After some delay, the proceedings are going to be published and the editing is under normal process.

Mr. Steel made it clear that the contents were not concerned with the use of computers in any particular area but dealt with how to teach programming to people at university level.

The Working Conference on Machine-Oriented Higher-Level Languages held in Trondheim, 1973, August 27 – 31, was highly successful and TC 2 suggested to establish a new Working Group on this subject. Approval of the General Assembly was requested for a Working Group (WG 2.4) with name and scope as follows:

Name: WG.2.4 Machine-Oriented Higher-Level Languages.

Scope: The purpose of the Working Group is to promote the exchange of information between researchers and users in the area of machine-oriented higher-level languages, and thereby to improve the evolution of ideas in this area.

In general these languages are characterized by:

- 1) their intended application area (software development);
- 2) their machine orientation (they may be used as assembler replacements);
- 3) their concern with the efficiency of the object program;
- 4) and their use of control (but not necessarily data or operation) features of general purpose programming languages.

Areas of principal concern to the Working Group will be:

- 1) portability and its relation to machine dependence;
- 2) the conflict, if any, between the notions of "higher-level" and "machine-oriented";
- 3) the impact of programming methodology on language design;
- 4) the relation between language design and object-code efficiency;
- 5) the relation of language design to the problems of system maintenance and enhancement;
- 6) experience in the actual use of MOHLL's.

Subject to General Assembly approval, the new Working Group will meet in Paris, probably 1974, April 8 – 12.

The report also indicated the planned TC 2 Committee and Working Groups meetings for the coming year as well as the planned Working Conference:

- A Working Conference on Data Base Management Systems to be held in Cargese, Corse, 1974, April 1 – 5 and
- A Working Conference on Command Languages to be held in Lund, Sweden, 1974, July 29 – August 2.

Which were submitted to the General Assembly for approval.

Mr. Steel also mentioned that TC 2 had been encouraging two proposals:

- 1) to study the establishment of a Working Group on Numerical Program Libraries and
- 2) to study the possibility of organizing a Working Conference on Mini-Computers and Computer networks.

Mr. Sem-Sandberg asked for more details about the type of operation involved in point 2).

Mr. Steel explained that the concern was how one puts mini-computers into use in a computer network and said that the work of the Committee on Data Communication would probably be involved.

General Assembly NOTED the report and unanimously APPROVED all the proposals.

5.3 TC 3 EDUCATION

Mr. Wolbers presented Document GA-Toronto 73 – TC 3-1 containing a review of the activities of the Committee and of TC 3 Working Groups during the past period.

WG 3.1 (Secondary School Education) was working on the publication of new booklets with provisional titles as follows:

- 1) The Nature of a Digital Computer;
- 2) Analysis and Algorithms;
- 3) Programming Languages;
- 4) Computer Applications in Industry and Commerce;
- 5) Computers in Education;
- 6) Computers in Subject Disciplines (A Series);
- 7) Computers in Society.

A request for increase in the budget of TC 3 to support these publications was submitted to the General Assembly for approval.

WG 3.2 (Organization of Educational Seminars)

In view of the need to support the training of computer specialists, particularly in developing countries, a request was submitted to the General Assembly for approval of more financial support for the work of this group. A recommendation was made with regard to future activities in the area of information system design. This should be jointly studied by a small review committee and APC.

WG 3.3 (Instructional Uses of Computers) was now operating and will soon produce a small booklet. ("Use of the Computer in Instruction").

WG 3.4 (Post-Secondary Education and Vocational Training) had planned to hold a meeting in the week following the General Assembly.

Mr. Wolbers underlined the bad financial situation of TC 3 which delayed the activities of several Working Groups. The proposed budget for this year (US\$ 8400,--) would probably be exceeded in the next year.

The President asked what was the situation regarding the loan to CEPIA (US\$ 3000) made in 1969.

Mr. Sem-Sandberg indicated that the situation was in the process of being clarified and that a report on this issue would be made at the next Council meeting.

General Assembly APPROVED the report.

5.4 TC 4 MEDICINE

Mr. Roukens wished to express his sympathy to Mr. Gremy who had been prevented from attending the meeting due to his state of health.

Document GA-Toronto 73 – TC 4-2 was then presented by Mr. Roukens on behalf of Mr. Gremy. He underlined the importance of TC 4 members as main channels of communication between the Committee and the medical informatics community in the country they represent and therefore the importance of defining criteria for the selection of the proper person who should be prepared to participate in the meetings.

A proposal was presented to grant TC 4 sponsorship to several publications in the medical informatics field. The implications were to be discussed with the Publications Committee.

WG 4.1 (Computer Education of Medical and Paramedical Personnel)

A report will be presented to TC 4 in Spring 1974 on the study of a possible review of the aims of this Group.

WG 4.2 (Requirements for Input/Output Procedures in Medical Information Systems)

A meeting was planned before the end of this year and two meetings were planned for the coming year.

A proposal was submitted for the establishment of a new Working Group: WG 4.3

Name: "Guidelines for Testing and Validating ECG-Analysis Programs"

The reason for this proposal was the need for a more efficient exchange of information and improved cooperation between various groups of investigators in development of computer programs for ECG analysis. A report on the precise aims and an activity plan will be submitted by Mr. Zywiets who had been asked to organize the group. This report will be established for the next meeting subject to General Assembly's approval.

Mr. Bennett, commenting the mentioned inactivity of many of the TC 4 members said that the question of acquiring proper representatives from the national societies should be taken seriously into consideration and that the TC 4 members should be required to respond to the letters that have been sent to them.

The President said that TC 4 faced the problem that their members should be medical doctors and not usual members of the member society.

Mr. van Wijngaarden suggested that the rules established by some Working Groups who keep a record of the attendance could be applied: if three meetings are not attended, this implies exclusion from the membership list.

The President recommended that all Working Groups should keep a record of the attendance at meetings.

Mr. Tanaka commenting the proposed Budget of Sfr. 15,000.-- * for 1974 said that this figure seemed quite high to him.

Mr. Tuori reminded that the current figures for the 1974 IFIP Budget were:

income:	Sfrs. 134,000
Expenses:	Sfrs. 217,050

Mr. Bobillier suggested that this be reconsidered later if there is a substantial income from royalties.

The President commented on a statement made in the TC 4 report on activities (page 33 of the Annual Report) reading:

“WG 4.1 has finished its work. The recommendations are now completely finished, this will constitute a booklet of about 50 pages. The main actual problem is the publication. It is not understandable that IFIP as such does not feel concerned by the results of the activity of its own Working Group and leaves the responsibility of finding publisher to the members of the Working Group themselves”.

The President commented that IFIP as such could not handle Working Groups' publication problems, but that any Working Group would find appropriate support from the Publications Committee.

Mr. Kroneberg proposed that this issued be discussed jointly with the Publications Committee report.

The planned activities of TC 4 were discussed as follows:

The President asked if TC 4 intended to follow the established scheme for IFIP Working Conferences: This point was confirmed by Mr. Roukens.

Mr. Samelson objected to the proposed Working Conference on “The Use of Computers for Drug Research” and commented that the topic of this conference seemed to him as being out of the main line of data processing activities.

The President replied that IFIP had from the very beginning offered its support to the medical people in their activities in the data processing field, what ever TC 4 wanted to do.

General Assembly APPROVED the report.

* remark: The budget which was finally approved by the General Assembly was Sfr. 10,000.—for TC 4.

5.5 TC 5 COMPUTER APPLICATIONS IN TECHNOLOGY

Mr. Williams presented his report (Document CGA-Toronto 73 – TC 5-1) containing information on the activities of the four very active Working Groups of this Committee.

The two main events of the year:

Prolamat 73 held in Budapest, 1973, April 10 – 13 and, the IFAC / IFIP Ship Operation Automation Symposium held in Oslo, 1973 July 2 – 5, had been very successful: This had been realized thanks to the very rewarding work of the Working Groups involved.

Mr. Williams wished to call the attention of the General Assembly to the importance of TC 5 contribution to IFIP publications referring to the various conference proceedings. He also mentioned some problems with the future schedule of the Workshop on Socio-Technical Aspects of Computerized Automation of Industrial Plants and Processes.

The following recommendations were submitted to the General Assembly for approval:

- 1) The appointment of Mr. Luh as Secretary of TC 5 in addition to his position as WG 5.1 Chairman.

General Assembly ACCEPTED the proposal with applause.

- 2) A Second International Conference on Computer Applications in the Automation of Shipyard Operation and Ship Design to be held in Lund, Sweden, in June 1976

- 3) A Second Symposium on Ship Operation Automation to be held in Japan or in the USA in August 1976, hopefully with the cooperation of IFAC.

The General Assembly unanimously APPROVED the recommendations.

Mr. Samelson showed some concern about the membership of WG 5.4 (Common and / or Standardized Hardware and Software Techniques) almost entirely composed of American people.

Mr. Williams replied that he would be very pleased to accept new people of other countries.

The President wished to congratulate the Chairman on the work of TC 5 for the great success of the conferences held in 1973 in Oslo and Tokyo.

Mr. Williams further presented a request to the General Assembly for the approval of the co-sponsorship of IFIP to the 1974 National Design Conference, organized by ASEE (American Society of Engineering Education). The theme of the Conference was Computer-Aided Design and the proposed Chairman Mr. Allan (Member of WG 5.2). No costs for IFIP were involved. Only participation was requested.

The General Assembly unanimously APPROVED the proposal and the TC 5 report.

5.6 TC 6 DATA COMMUNICATIONS

Mr. Curran presented his report. He mentioned that TC 6 held two meetings during 1973 and presented the TC 6 programme of activities:

- 1) To constitute a documentation on switching networks to cover the gap in information availability and to study the methods by which packet switched networks can be interconnected. For the moment the work undertaken was in its experimental stage: The results of these studies would be made available to CCITT and to ISO as well as to the computing community in general.

However, difficulties were encountered in the conduction of the proposed experiments as the interconnections involve several countries and there was a problem of delay until agreement of all parties could be obtained. Other limitation problems were found because of the existing regulations of the operating procedures of private-use networks (Recommendation D.1, Par 5.5 of the Draft Revised Recommendations, CCITT).

A group of experts directed by Mr. Vint Cerf and including representatives of eight countries was presently carrying on the work, and TC 6 recommended the General Assembly to constitute this Group as a Working Group 6.1 with the name: International Packet Switching.

It was explained that the experts involved had been experimenting links between computer networks based on different principles and that these experiments should be encouraged by IFIP.

Mr. Tanaka suggested that the title be changed into: "International Packet Switching for Computer Sharing" in order to be more explicit.

- 2) The evaluation of the technical and economic feasibility of massive data banks accessed through telecommunications facilities.

Joint work with UNISIST was recommended to achieve this as well as the active participation of other technical committees, mainly TC 2, TC 5, TC 7.

A request was submitted to the General Assembly for the appointment of a coordinator to deal with UNISIST and the different TCs involved.

A letter had been sent by Mr. Curran and Mr. Wyscki, summarizing TC 6 understanding of the UNISIST program and offering TC 6 assistance in the planned work of UNISIST to realize its network. An answer to this letter dated 1973, August 30, was still expected.

Mr. Curran pointed out that TC 6 feeling was that the time indicated as required by UNISIST to reach the designed objectives was too short.

Mr. Bennett reported on a discussion he had some time ago with an expert in Stockholm which had given him the impression that a great part of the UNISIST program did not relate to IFIP activities.

Mr. Curran replied that only a small portion of their study did not cover IFIP activities.

Mr. Douglas said that he approved the appointment of a coordinator and considered this to be an ICIL matter to be discussed in a separate meeting.

Mr. Sem-Sandberg replied that the matter involved pure technical coordination and therefore the Technical Committee itself should take the lead and administrative problems should not be put ahead of it.

General Assembly APPROVED with three abstentions:

1) The establishment of Working Group 6.1:
Name: WG 6.1 International Packet Switching for Computer Sharing.

Scope: WG 6.2 will study the problem associated with the interworking of packet switching computer networks planned or under construction in various countries. The ultimate goal is to define the technical characteristics of facilities and operating procedures which will make it possible and attractive to interconnect such computer networks.
In pursuit of this goal, WG 6.1 will attempt to define and publish guidelines for the interconnection of packet switching networks. Where necessary and possible, WG 6.1 will test the guidelines with experimental interconnections between cooperating packet switching networks.

2) The appointment of a coordinator to lead the work of IFIP in a consultative role with the UNISIST program of UNESCO.

Mr. Bobillier asked what was the situation with regard to relationships with CCITT.

Mr. Curran reported on the progress made to obtain a formalized association of IFIP as Associate Member. No money should be required, as TC 6 was offering a contribution on their work in the area of packet switching. The Canadian Computer Society had offered to present a formal proposal to CCITT for the acceptance of IFIP/TC 6.

3) A proposal to dispatch a letter to the telecommunications administration of UK, France, Germany, Sweden and Norway urging them to facilitate the allocation of telecommunication channels for experiments conducted by Working Group 6.1

Mr. Renard asked for more information on the kind of work involved.

The President agreed that a full description of this work should be provided.

Mr. Samelson stated that he would most probably have a hard time to get the approval of his PTT Administration in the Federal Republic of Germany.

Mr. Keilhau pointed out that there was no TC 6 member from Norway.

Mr. Bennett requested that the letter be extended to other countries to channel the experiment in such countries that already carry out this kind of research.

The General Assembly unanimously APPROVED the TC 6 proposal as it stands and instructed Mr. Curran and Mr. Sem-Sandberg to draft the letter which could be sent to the mentioned countries with copies to TC 6 members and General Assembly members.

General Assembly APPROVED the TC 6 report.

5.7 TC 7 OPTIMIZATION

Mr. Balakrishnan presented his report (Document CGA-Toronto 73 – TC 7-1) and gave several items for discussion:

1) The establishment of a new Working Group: WG 7.2:

Name: WG 7.2 Computational Techniques in Distributed Systems.

Aims: To foster international exchange of ideas and experience in the area of Computational Techniques with particular emphasis on distributed systems arising in diverse disciplines such as Mechanics, Economics, Biomedical Engineering, Geophysics, etc.,

Scope: Included in the scope of the activity of the Working Group will be the following specific topics:

- Computational Techniques for Identification and Optimal Control of Systems Modelled by Partial Differential Equations.
- Computational Techniques for Structural Problems, Elasticity, Plasticity, etc., including various approaches such as

Finite Element Approximation Techniques
Decomposition Techniques
Interactive and Graphic Computer Techniques

Mr. Lions was recommended as Chairman of this Working Group.

2) The establishment of a new Working Group: 7.3

Name: WG 7.3 Computer System Modelling

Aims: The work of the group is directed toward improving the art of analyzing and optimizing performance and costs of data processing systems through the use of analytical models.

Scope: Topics which fall within the scope of the Group include:

- a) The initial wording, reading:
“Optimization of telecommunication line routings and the allocation of resources (such as memory, compute power, and points of concentration and switching), in distributed information processing systems”.
was replaced by:
“Optimized allocation of resources for emphasis such as telecommunication line (such as memory, compute power, and points of concentration and switching), in distributed information processing systems”.
- b) Analyses of throughput and response time.
- c) Analyses of reliability in the presence of failures of hardware, software or telecommunications.
- d) Analyses of CPU, main memory and I/O channel scheduling and allocating procedures.
- e) Analyses of storage systems including memory hierarchies and geographically distributed data bases.
- f) Comparison with simulations and with performance indices measured experimentally.

This proposal had been presented in May 1973, in Rome by Mr. Green who was present and introduced by Mr. Balakrishnan.

Mr. Green explained that this group would treat the technology of models of data processing systems which was an important area not yet well developed and geographically only covered by a few research centres. There was a question on possible overlap with the work of other committees such as TC 5 and TC 6.

Mr. Curran strongly supported the creation of this new Working Group as being a very good introduction for the cooperation of Technical Committees in the field of data communication.

The President congratulated Mr. Balakrishnan on the achieved combination of theoretical and practical aspects in TC 7.

Mr. Balakrishnan then presented a request for the co-sponsoring of the Symposium on Computing Methods in Applied Sciences and Engineering organized by IRIA-LABORIA, to be held in Paris 1973 December 17-20. The list of speakers was in the opinion of TC 7 of sufficient international level and this Symposium falls within the aims and scope of this committee. No financial obligation would be involved for IFIP.

The approval of the General Assembly was also requested for the next Conference on Optimization to be held in Novosibirsk, in 1974.

There was no financial obligation of any kind for IFIP and a very good attendance was expected.

Mr. Bobillier asked if the proceedings of these conferences would be published and if the royalties would be paid to IFIP. Mr. Balakrishnan replied that these proceedings would be published in two volumes of 300 pages each.

The General Assembly unanimously APPROVED the proposal for the new WG 7.2 and WG 7.3 as presented above and unanimously APPROVED the requests made by TC 7 concerning the IRIA-LABORIA Symposium and the next Conference on Optimization.

Mr. Balakrishnan also requested approval for a Working Conference on Modelling and Simulation of Water Resource Systems, to be held in Ghent, Belgium, in October 1974.

This proposal had been sent by Mr. Karplus. Belgium had been chosen in order to initiate this type of activities in that country.

Mr. Tanaka pointed out that the proposed date conflicted with Congress 74. He showed concern that the schedule made it impossible for people abroad to stay for both events.

Mr. Dorodnicyn observed that too many conferences were planned and he recommended for the future that a better coordination with other events be made in terms of schedule and also that geographical factors be taken more into consideration.

The President said what bothered him more was the lack of propositions for the future and he recommended Mr. Balakrishnan to make effort for earlier planning and to run TC 7 a little more in IFIP fashion.

Mr. Bennett mentioned that the proposed schedule made it impossible for Australians to attend this event.

General Assembly APPROVED the Working Conference with one abstention.

Another request for co-sponsorship of the meeting on "Optimierungstheorie und Optimalsteuerungen" to be held in Oberwolfach, 1974 November 17-23, was presented by Mr. Balakrishnan. No financial contribution was involved for IFIP.

General Assembly APPROVED with three abstentions to so-sponsor this event.

General Assembly APPROVED the TC 7 report.

5.8 IAG

Mr. Duyverman presented the IAG Annual report together with the following documents:

Accounts 1972: CGA Toronto 73 – IAG-B1 and B1a

Budget 1974: CGA Toronto 73 – IAG-B2b

Programme of activities first half of 1974:

CGA Toronto 73 – IAG-B3

Change of IAG Bylaws:

CGA Toronto 73 – IAG-B4.

Mr. Herborg-Nielsen pointed out that a more extensive report was available containing much more detailed information and had been distributed to the Council Members.

Mr. van der Poel asked that copies of this Document (C2 Toronto 73 – IAG) be distributed to all General Assembly members.

Mr. Bobillier pointed out that no IAG contribution to the IFIP Annual Report had been sent to the Secretariat before the meetings, recommended that IAG follow the rules on the point in the future and requested that distribution be made to attendees who request it. He pointed out that IAG had decided at the Council Meeting not to submit it as such to the General Assembly.

Mr. Dixon indicated that measures will be taken to provide the contribution to the IFIP Annual Report in time in the future.

Mr. Sem-Sandberg presented the main points discussed during the IAG General Conference in Zürich and mentioned proposals which were presented to the IFIP Council. Council had recommended that there be further studies by IAG before submission to the General Assembly.

There were changes in the IAG Bylaws proposing:

- a) The institution of IAG “Individual Membership”.
- b) The institution of the distinction of IAG “Honorary Fellowship”.

Mr. Sem-Sandberg reported that the Council recommend to the General Assembly:

- The approval of the IAG Budget.
- The approval of the IAG programme of activities.

Mr. Auerbach asked what was the intent of introducing individual membership within the IAG.

Mr. Dixon explained that the intent was to provide a possibility of membership to individuals (teachers, students, and other individuals) who cannot be IAG partners. He stated that the IAG General Conference felt that good support could be obtained from such individuals.

Mr. Auerbach commented that IFIP being a Society of Societies, this would bring a major change which had to be considered very carefully from two points of view:

- 1) The danger of introducing a basic change in one SIG. Other SIG’s may be created in the future, which may bring severe potential problems.
- 2) The financial point of view: Personal membership fees would bring significantly less income than what partners’ fees would amount to.
The IAG Budget mentioned US\$ 48,000 as income from fees in 1973 and US\$ 74,000 as expected for 1974: Could the expected figure be reached with the proposed new structure? If not, the Budget would be completely unbalanced.

Mr. Douglas underlined the danger of competition which these “Associates” may create between the interest of IAG and that of the national societies. Mr. van der Poel supported this point.

Proposals were presented as rules for admission:

Mr. Dixon proposed that the Associates should already be members of a national society.

Mr. Sem-Sandberg added that the application should also be submitted to a board of IAG which would decide upon the admission on an individual basis.

Mr. Tanaka proposed that the General Assembly express their feeling on the possible introduction of associate members in special interest groups provided:

- 1) That the qualification be submitted to the restriction that it should not be in contradiction with the interest of the national society.
- 2) That the details be worked out by IAG and a motion on this issue be submitted to the General Assembly for later approval.

General Assembly VOTED on the proposed motion and the results were:

15 in favour
5 abstentions
1 against

Mr. Tanaka proposed that the wording be prepared by IAG and by the Statutes and Bylaws Committee with the help of Mr. Sem-Sandberg. He suggested that a document be presented to the next Council meeting for submission to the 1974 General Assembly.

General Assembly unanimously APPROVED the recommendation.

General Assembly unanimously ADOPTED the IAG audited accounts for 1972 and unanimously APPROVED the IAG Budget for 1974.

Mr. Bobillier recommended expenses be carefully watched so that they can be adapted to the real income.

Mr. Sem-Sandberg presented Document (CGA Toronto 73 – IAG B/4) as revised by the Council, submitting a proposal to change the IAG Bylaws in view of expanding the IAG Board of Directors from seven to ten members.

General Assembly unanimously APPROVED the proposed change.

Mr. Sem-Sandberg addressed a word of thanks to Mr. Dixon for his efforts in keeping the IAG activities at a high level and submitted the IAG activities programme for approval by the General Assembly. The recommendations of the VIth General Conference regarding this issue were contained in Document (CGA Toronto 73 – IAG B3)

Mr. Auerbach proposed to approve the submitted programme with the recommendation that these activities remain within a zero loss.

Mr. Dixon replied that he could not provide such a guarantee but that every effort will be made in this direction.

Mr. Auerbach stressed that it was clearly IAG's responsibility to control their activities from the point of view of the expenses involved.

General Assembly unanimously APPROVED the programme of activities with the recommendation that there should be no financial loss.

Mr. Duyverman proposed that the General Assembly make a vote of thanks in favour of Mr. Herborg-Nielsen who had worked for 6 years in the IAG Board of Directors.

General Assembly unanimously AGREED to the proposal.

The President wished to personally thank Mr. Herborg-Nielsen for the work done.

5.9 IFIP FOUNDATION

The President presented his report (Document CGA Toronto 73 – IAG C/3).

The Board of the Foundation had held two meetings in 1973, the Foundation act and the lease contract for the office space were signed and the agreement between IAG and the Foundation Board had been accepted by both parties.

6. NEW TC'S AND SIG'S

6.1 COMMITTEE ON NON-TECHNICAL APPLICATIONS

The President presented a proposal (Document CGA Toronto 73 – IAG CAH1) for the establishment of a new Technical Committee: TC 8 on Human and Social Questions in Information Processing.

This Committee would deal with matters such as Social Sciences, History and Philosophy and other non-technical questions which are involved in the operation and application of computers. He requested approval of the General Assembly for the establishment of a first Working Group on History of Computers and Automata.

Mr. Dorodnicyn pointed out that the Task Groups proposed by the Activity Planning Committee covered a larger amount of such subjects that the proposed Technical Committee and asked if this proposal was not in contradiction with the new idea of Task Groups.

The President answered that in several areas concerned practical work was already going on.

Mr. Auerbach said, with reference to the proposed Working Group 8.3 on History, that the General Assembly should be aware of the many projects already conducted on the history of computers, representing considerable amounts of efforts and money. He mentioned in particular the work carried out by the AFIPS / Smithsonian Institution project on the history of computers and recommended that IFIO coordinates activities with this group.

Mr. Tanaka suggested that the ideas of the proposed TC be approved on its principle but that no decision be taken at present for its establishment.

Mr. Douglas approved the idea and proposed to appoint a Task Group to look into the matter and prepare a recommendation for submission to the Council.

General Assembly DECIDED that a Task Group be appointed and charged to make a recommendation to the General Assembly.

7. COMMITTEE REPORTS

7.1 GENERAL REVIEWS OF COMMITTEES

No report was presented on this item.

7.2 FINANCE COMMITTEE

Mr. van der Poel presented his report (Document CGA Toronto 73 – FC) containing the following recommendations:

- 1) IAG activities should never cause a loss to IFIP.
- 2) The Treasurer should present as reviewed schedule of dues expressed in Swiss francs.
- 3) The investment in dollars should not yet be converted (in view of the high interest paid on this investment)
- 4) The capital should be at least three times the annual budgeted expenses in order to buffer the irregularities in the income and expense streams. There should also be an established relation between income, expense and capital of IFIP.

Mr. Bobillier strongly objected to point 2) saying that the establishment of the new dues schedule should be worked out jointly by the Finance Committee and the Treasurer as decided by the Council.

For discussion and decisions on that issue refer to point 4.3.3:

Treasurer's report – IFIP dues situation (T-8 Conversion of membership dues to Swiss francs at the rate US\$ 1 = Sfrs. 4.3)

Mr. Renard commented item 4) of the report and expressed his surprise concerning the recommendation that the capital should be “at least three times” the annual budgeted expenses.

Mr. van der Poel explained that the intent was to cover irregularities over a period of three year (cycle of IFIP Congresses).

Mr. Tuori reported on the currency problems:

- 1) The investment fund had been affected by the dollar devaluation. Several ways had been investigated to increase the profit. However, the conclusion was that there was very little advantage in speculation for the time being and that it was not advisable to change the investment policy in the near future: The fund would therefore remain invested for periods of three or six months. The interest for the next three months was of about 10.4% per annum.
- 2) The accounting and budgeting were also to be revised in consideration of the currency problems.

Mr. Tuori therefore proposed the conversion at the end of 1973 of the IFIP accounts from US\$ into Swiss francs in view of the number of transactions made in this currency which could also be considered as more stable than the dollar.

General Assembly APPROVED this proposal with one abstention.

General Assembly NOTED the Finance Committee report.

7.3 ACTIVITY Planning

A report (CGA Toronto 73 – APC-1) submitted by Mr. Tanaka had been distributed in early September. This Document was to be considered as a preliminary version of a long range plan for IFIP, proposing actions in specified areas. A time-table for reviewing IFIP's current work through Review Committees was submitted and a schedule proposed for the new areas of activities to be initiated by Task Groups. The report also included a list of documents necessary to provide operating rules for the organization.

General Assembly unanimously APPROVED the report.

Mr. Bobillier mentioned that a first draft of IFIP Standing Orders had been prepared and was distributed. He indicated that the Executive Body considered this document as a first draft of the written rules which should be observed in IFIP. They should be used immediately and suggestions and / or additions should be proposed to the Secretary.

7.4 STATUTES AND BYLAWS

The final version of the IFIP Statutes and Bylaws had been edited and printed and Mr. Tanaka said that this part of the work being done he had resigned as Chairman of this Committee.

The President congratulated the Statutes and Bylaws Committee and thanked Mr. Tanaka for the work performed.

7.5 ADMISSIONS COMMITTEE

Mr. Renard presented his report (Document CGA Toronto 73 – AC-1) proposing the admission of

- 1) The Computer society of India
A letter had been received from the Indian Government's Administration declaring that the Computer Society of India is the "largest Society" in the country in the computer field and a letter of support was sent by the Indian Institute of Science stating that the CSI is "the only Computer Society which is competent enough to become an IFIP member".

Mr. Chandrashekar, presently working at the Department of Systems Design of the University of Waterloo, Ontario, had been asked to represent his Society and was introduced by Mr. Renard. He said a few words to present the Computer Society of India and its objectives which are similar to IFIP's. The membership of CSI presently consists of 140 Institutional members and 1013 Individual members.

Mr. Chandrashekar explained that the requested US\$ 750,-- fee was felt to be too high and therefore the CSI would either postpone their application for membership or request the acceptance of a lower fee for the first two years.

Mr. Bobillier, referring to the comments made at the Council meeting, suggested that the CSI investigate the possibility of requesting the support of the Indian Government for the representation of their Society in international events and activities.

Mr. Chandrashekar replied that this would be difficult to obtain in view of the present state of exchange trade rates.

Mr. Sem-Sandberg suggested that, if there existed two computer societies in India, an arrangement could be made to share the fee.

Mr. Douglas mentioned that the Computer Society of India was a relatively small-sized Society and suggested to operate by step: He proposed to admit the CSI with a fee of Sfr. 1,075,- and the Treasurer would be instructed to approach the CSI to explain that this was accepted as a starting condition but would have to be reconsidered by the end of 1974 so as to adapt to the size and level of activities of the Society.

General Assembly unanimously AGREED to this proposal and APPROVED by 23 votes in favour the admission of the Computer Society of India as an IFIP member.

Mr. Chandrashekar thanked the General Assembly on behalf of his Society and indicated that the membership of the CSI would start on 1974, January 1.

2) The New Zealand Computer Society

A letter of application had been received in July 1973 from Mr. Cox, President of this Society whose objectives were stated as follows:

“To develop the practice of the profession of information processing and related sciences in New Zealand; to foster education; to grant diplomas; to develop lectures and to promote research in information processing and computer technology.”

The present membership of 1575 members includes: 3 fellows, 259 members, 1306 associates, 5 students.

Mr. Bennett who had been asked to represent the New Zealand Computer Society at this meeting stated that this Society was ready to accept the proposed fee of Sfrs. 2,150.-.

General Assembly unanimously APPROVED with 23 votes in favour the admission of the New Zealand Computer Society as new IFIP member.

Mr. Bennett indicated that the membership of the New Zealand Computer Society would be effective as of 1974.

3) The Irish Computer Society

The formal application of this Society was subject to the question of the subscription fee and Council had decided to propose that General Assembly accept a 50% reduction of the fee for a period of three years.

The main problem raised was: Will this Society be able to attend IFIP meetings?

Mr. Douglas said that it should be made clear to societies applying for membership that they will be expected to attend the IFIP meetings as a condition for their admission.

Mr. Auerbach replied that it would be an error to consider that IFIP cannot admit the societies having financial difficulties, as this would penalize the developing countries and that IFIP should rather adopt a broad minded attitude as the United Nations do.

Mr. Keilhau observed that as there was no formal application, it was not possible to take any decision and he suggested that a straw vote be taken on the General Assembly's feeling about this request.

Mr. Douglas proposed the following statement:

Should the Irish Computer Society apply for membership, it is the feeling of the General Assembly that they would agree to a fee of Sfrs. 1,075.-, half of which could be remitted for up to three years upon request of the Irish Computer Society.

General Assembly unanimously APPROVED the proposed statement.

4) Mr. Renard mentioned an inquiry received from a representative of a group of data processing professionals in the Philippines.

Mr. Auerbach proposed that the Admissions Committee tried to investigate the interest of other countries in joining IFIP. He stated that many countries in Asia, Africa and South America were known as having growing activities in the information processing field. In his opinion IFIP should look for more members rather than wait for applications and should invite delegates from such countries to attend the IFIP Congress 74 in Stockholm.

The President indicated that the People's Republic of China and the Turkish Computer Society had shown some interest.

Mr. Renard pointed out that the Admissions Committee was working on the policy of waiting for applications rather than advertising and trying to draw members into IFIP.

Mr. Douglas added that such propaganda should be done by ICIL, but that all General Assembly members should make an effort to bring new members into IFIP.

7.6 INTERNATIONAL LIAISON

7.6.1 Report

Mr. Douglas presented his report (Document CGA Toronto 73 – ICIL-2) proposing that the General Assembly formally convey their congratulations to Dr. H. Mahler on his appointment as WHO Director General and Dr. Chang Wei Hsun as Assistant Director General.

General Assembly unanimously APPROVED the proposal.

7.6.2 FIACC

No information was presented on this item.

7.6.3 Relations to other Bodies

The situation of IFIP relationships with IBI-ICC was discussed as follows:

Mr. Douglas reminded that IFIP had agreed in the past to participate in IBI-ICC's activities, however, the situation was not yet satisfactory.

Mr. Auerbach mentioned his efforts to negotiate with IBI-ICC in the past three years. As IFIP delegate to the Technical Board he had done everything to achieve this participation and had contacted personally the IBI-ICC Director, Mr. Barnasconi, who also serves as Chairman of the Technical Advisory Board.

Mr. Roukens said he felt also unclarities in the relations with IBI-ICC. He asked to be authorized to continue further contacts on behalf of TC 4.

Mr. Douglas was opposed to contacts through independent Technical Committees and requested that any transaction with IBI-ICC be made through ICIL.

Mr. Bobillier proposed that a request be made to IBI-ICC to send a formal statement defining the relationships between IBI-ICC and IFIP.

Mr. Douglas agreed to convey this request to IBI-ICC on behalf of the General Assembly.

General Assembly NOTED the ICIL report.

7.7 EDUCATION POLICY

Mr. Chevion presented his report (CGA Toronto 73 –EDUC-1)
(see point 6.8 of Council Minutes).

Mr. Chevion said that it was important to accelerate the educational and training process in the less developed countries. From the organizational point of view, he proposed to straighten the TC 3 situation by appointing one representative per country and mentioned the possibility of a transformation of this Committee into a Special Interest Group.

The President indicated that these points will be considered by the Review Committee for TC 3.

Mr. Douglas agreed that all Committees and Working Groups involved in TC 3 matters should give their comments to the Review Committee.

7.8 PUBLICATIONS COMMITTEE

Mr. Kroneberg presented his report (CGA Toronto 73 –PUB-1)

- 1) State of Current Publications
By September 20th only two books had been published in 1973 out of the six which had been proposed at the last Council meeting in Munich:
 - a) Lindsey/Van der Meulen "Informal Introduction to ALGOL 68"
 - b) Vlietstra/Wielinga "Computer Aided Design".

The remaining four books were still to be published. The referring titles will be indicated in the next IFIP-Bulletin (No.8).

Mr. Kroneberg also mentioned that TC 3 and TC 4 had contacted him for new publications.

- 2) A draft agreement had been established for the production of the preprints and final proceedings of Congress 74.
- 3) The sales figures of recent publications up to August 1973 were presented.

General Assembly NOTED the report.

The President thanked Mr. Kroneberg for the work done.

7.9 PUBLIC INFORMATION COMMITTEE

No report was submitted on this item.

The President repeated his invitation for the membership of this Committee.

7.10 RECOGNITION COMMITTEE

Mr. Harder presented his report (GA Toronto 73 – R-1)

Two types of awards were proposed:

- a) An Achievement Award, made to pioneers in the profession
- b) A Service Award, made to individuals who have rendered good services to IFIP.

The report discussed awards of individual-member societies, proposed a three years cycle for the achievement award, repeated the top award "Honorary Member", and gave propositions for the achievement award.

The discussion developed mainly to the last item, the Service Award, which could be called "Silver Core" and to which individuals with six or more years of IFIP service would be eligible. The recommendation was to:

- (a) have the plaque designed
- (b) propose the initial slate to the Council in Spring 1974
- (c) produce the plaques to be presented at the Stockholm Congress
- (d) produce invitation letter for Secretary to send to selectees
- (e) arrange with Congress 74 modalities
- (f) consider in the first list only those who have been active in the last five years.

Mr. Auerbach objected to limitation (f) which was deleted.

Mr. Harder requested the help of the Secretariat to determine the regular attendance of the individuals.

Mr. Goto requested more information about how other international organizations proceed.

The President said that specific propositions of the Recognition Committee should be required and made available a long time in advance.

Mr. Vlietstra suggested that awards be granted not only to individuals but also to the institutions that bring the individual into IFIP.

Honorary Member: General Assembly unanimously APPROVED that the Honorary Member listing should be supplemented by a Plaque.

Achievement Award: General Assembly AGREED on the principle with six abstentions.

IFIP Fellow:

Mr. Auerbach opposed to the term "Fellow".

Mr. Harder answered that this title was not necessary and that it could be called the "Silver Core Award".

General Assembly unanimously APPROVED the change.

Finally, General Assembly RECOMMENDED the creation of an Award Committee to work out the details of:

- The plaque to supplement Honorary Membership.
- The IFIP Achievement Award.

Mr. Goto requested that the past IFIP officers and past IFIP General Assembly members receive the Information Bulletin.

8. ELECTIONS

8.1 PRESIDENT-ELECT

Mr. Hume presented Document (GA Toronto 73 – NPE-1) proposing the name of Mr. Tanaka as President-Elect.

There being no other proposal from the floor, General Assembly proceeded to vote by secret ballot. There were 23 members present or represented and 12 votes were needed for the election.

General Assembly ELECTED (23/0/0) Mr. Tanaka as President-Elect and greeted the nominee with applause.

8.2 VICE-PRESIDENT

Mr. Lehmann presented Document (GA Toronto 73 – NVP-1) proposing the re-election of Mr. Sem-Sandberg as Vice-President for one more year.

Mr. Bobillier confirmed that every year a Vice-President is elected for three years which meant that in case there was no objection to re-election of Mr. Sem-Sandberg for one year, General Assembly would have to elect a Vice-President for two years in 1974.

There being no other proposal from the floor, General Assembly proceeded to vote by secret ballot.

General Assembly ELECTED (22/0/1) Mr. Sem-Sandberg as Vice-President for a one year term.

8.3 TRUSTEES

Mr. Bennett presented Document (GA Toronto 73 – NTE-1).

Following the election of Mr. Tanaka and Mr. Sem-Sandberg, the nominees were: Mr. Chevion and Mr. Dorodnicyn.

There being no other proposal from the floor, General Assembly proceeded to vote by secret ballot.

General Assembly ELECTED Mr. Chevion (19/0/4) and Mr. Dorodnicyn (22/0/1) as Trustees for a three-year term.

Mr. Bennett made the proposal to increase the number of Trustees from 6 to 8 and to modify the Statutes and Bylaws accordingly.

Mr. Tanaka pointed out the potential danger of not reaching the quorum during the Council meeting.

Mr. Bobillier said that increasing the number of Council members would also increase the probability of having Council members not attending the meetings.

Mr. Auerbach insisted that a nomination to the rank of Trustee was not to be considered as an honorary post but rather as an invitation to work within the Council. He requested that the persons who are not able to make the required attendance effectively refuse their nomination or resign from their post.

Mr. Bobillier and Mr. Sem-Sandberg strongly supported Mr. Auerbach and Mr. Douglas propose that a change in the Bylaws be prepared and presented at the next meeting in order to permit that the vacancies which could then occur be filled.

General Assembly was asked to give their feelings on this issue. The result of a straw-vote gave 9 votes in favour, 8 votes against and 3 abstentions.

This showed no decisive opinion and the General Assembly therefore RECOMMENDED that the issue be passed on to the Statutes and Bylaws Committee and be presented at the next meeting for further consideration.

General Assembly also RECOMMENDED to the Nominations Committee to request a letter from the Nominees stating that they are prepared to participate actively in the work and to attend the meetings.

9. IFIP CONGRESSES

9.1 CONGRESS 71

The President indicated that the accounts for Congress 71 were closed.

9.2 CONGRESS 74

9.2.1 Programme Committee

Mr. Freeman presented his report (CGA Toronto 73 – C.74 – PC - 1) covering the activities of his Committee from October 72 to October 73.

Calls for Papers had been sent to IFIP delegates in IFIP member countries, to IFIP Committee Chairmen and to a large international journal mailing list. Over 800 individuals from 30 different countries had already shown their interest to submit papers and it was expected that the final programme will contain about 200 selected papers.

Invited Papers: The invited speakers had been selected in the second meeting of the Committee in March 1973 in Paris. 41 invited papers from 16 different countries had been scheduled so that no two are delivered simultaneously. The final list was released in early September.

Programme: The opening session will start on Monday morning and the Congress will end with a closing session on Saturday morning. Distinguee speakers will be invited for both sessions. The daily paper presentations from Monday afternoon through Friday afternoon were planned so as to have six or seven sessions in parallel and there will be 8 to 10 panel sessions on topics of current interest.

Proceedings: It had been decided with Mr. Rosenfeld, Proceedings Editor, and with the Publications Committee to have only one printing and the Proceedings will be available at the Congress.

Social Events: A "World Computer Chess Championship" was considered as a possible social event.

Mr. Samelson was surprised by the distribution shown in the list of invited speakers. He noted that 50% were from USA and expressed high concern about the international representation of the Congress.

Mr. Freeman said that the Programme Committee had tried to change this and that additional invitations had been sent out.

Mr. Samelson indicated that a set of rules should have been settled before the selection.

General Assembly NOTED the report.

9.2.2 Organizing Committee

Mr. Svenonius presented his report (CGA Toronto 73 – C.74 – OC - 1) describing the various actions taken by his Committee since the last IFIP Council in Munich. The Document showed that the preparations were progressing well.

(see also point 6.5.2 of the Council Minutes).

Registration Fees: The problem of the payment of registration fees by countries having currency limitations was a main concern and was seriously studied: Transactions with the Soviet Union will be facilitated by the opening of a special bank account in this country.

Mr. Tanaka asked if there were separate formalities for visitors to the Exhibition

Mr. Sem-Sandberg said that the entrance fee would not exceed US\$ 1.- and that the income would be less than what the control would cost.

Mr. Auerbach said that the major source of surplus mainly came from the registration fees for the Exhibition and that better control should be put on this.

Mr. Svenonius indicated that there was no provision in the contract with St. Erik's Fair on that point.

Mr. Tanaka requested that this be reconsidered and said that an entrance fee to the Exhibition should be of the order of US\$ 5.- which would produce some income.

Mr. Sem-Sandberg stated he would approach St. Erik's Fair and try:

- to increase the entrance fee and,
- to get some income for IFIP out of it.

Mr. Auerbach pointed out that better attention should be given in the future to the necessity of getting a revenue from the exhibits and mentioned the Congress in Edinburgh where a significant part of the surplus had come from this source.

The President recalled the proposal made in April at the Council meeting in Munich to create a third Committee to look into these matters and left it to the consideration of the General Assembly to establish an International Exhibition Committee.

Surplus

Mr. Svenonius stated that the figures had been established with a lot of care and that he would be very surprised if the Congress did not bring some surplus.

Mr. Auerbach recommended to use the experience gained from other Congresses and to avoid very expensive fancy items in the organization.

Mr. Svenonius said that he perfectly agreed with this recommendation and that there was nothing of this kind to be feared.

General Assembly NOTED the report.

9.2.3 MEDINFO 74

Mr. Roukens presented point 2.4 of the report (GA Toronto 73 – TC 4 – 2).

The Document contained a list of the distinguished speakers invited to address the Medinfo opening session and indications of expected papers and attendances: 350 authors have indicated their intention to submit a paper.

Mr. Roukens submitted to approval by the General Assembly the budgeted expenses for the Programme Committee totalizing Sfrs. 25,000.-. He indicated that the Programme Committee and the Organizing Committee are operating separately.

General Assembly NOTED the report.

9.3 CONGRESS 77 / 80 SITE SELECTION

Mr. Samelson presented the report (GA Toronto 73 – C.77/80 – Site - 1) submitted by Mr. Iliev and commented the two invitations presented by the Australian Computer Society (ACS) and by the Canadian Information Processing Society (CIPS):

Both proposals offer good facilities with regard to space and exhibition area and in both cases there is fine environment and local support. Toronto had however better hotel facilities in the area near the Congress halls.

The budgets showed important discrepancies but were not comparable, because they did not include the same items. It seemed to the Site Selection Committee that Toronto would be more favourable from the point of view of international attendance. Therefore it was proposed to the General Assembly to hold the IFIP Congress 77 in Toronto during the period of 1977, June 12 to 16.

Mr. Dorodnicyn pointed out the difference in the proposed dates:

12 – 16 June for Canada
Late August for Australia

Mr. Bennett spoke on behalf of the Australian Computer Society. He said that he could provide all guarantees for accommodation and that any date chosen would be considered as acceptable to his Society. He pointed out that the Budget reflects figures similar to other Congresses and that special allowance would be granted for professional attendance. He mentioned that the surplus expected from the exhibition was quite high. He stated that a high attendance was expected.

He gave as examples international conferences organized in Australia with high attendance by professional groups: special travelling arrangements were planned for participants from developing countries.

Mr. Hume asked Mr. Finch to present the proposal of the Canadian Information Society.

Mr. Finch recalled the support his Society had given to IFIP's activities. He described the extremely good facilities for accommodations such as the Four Season's Hotel and mentioned that volunteers would work in the Organization Committee. No subsidies were required from IFIP and guarantees had been taken against any catastrophe. The preliminary Budget showed a very high expected income from registrations and exhibition and a very fair surplus of which a minimum of US\$ 30,000.- was guaranteed to IFIP, the rest being shared on the basis of 70 % to IFIP and 30% to CIPS.

Mr. Dorodnicyn asked if low cost accommodation would be available.

Mr. Bennett answered that college full board accommodation could be provided in Australia for A\$ 22.--

Mr. Finch said that college rooms would be available for US\$ 6.—to 7.--.

Mr. Herborg-Nielsen asked what was the expected local attendance in each case.

Mr. Bennett answered that previous experience had shown over 2,000 to 2,500 from new Zealand and Australia.

Mr. Finch mentioned that out of the 3,500 expected registrations, 1,500 would be from the USA and 800 from Canada. He added that the figures could be compared on this point with the Ljubljana Congress.

Mr. Herborg-Nielsen showed some reservation about the June date.

Mr. Dorodnicyn stated that end-August would be more favourable.

Mr. Finch replied that the national exhibition was scheduled for August, and it was therefore impossible to have the Congress at that time.

Mr. Herborg-Nielsen suggested May.

Mr. Tanaka expressed the wish of AFIPS that the date be moved as far as possible from the annual AFIPS Conference.

Mr. Dorodnicyn insisted that the month of June was a most difficult time for holding a Congress.

The President pointed out the report of the Site Selection Committee was very short and did not indicate very strong reasons for one or the other candidate and therefore made it very difficult for the General Assembly to make a decision.

It was finally decided to make a secret ballot. The results were:

Canada:	16 votes
Australia:	7 votes

The General Assembly had therefore DECIDED to hold the IFIP Congress 77 in Toronto.

The Canadian Information processing Society was urged to seriously consider the possibility of moving the date of the Congress from June to July.

Mr. Hume stated that July would offer less low cost accommodation.

General Assembly expressed a very definite preference for July with less low budget accommodation rather than June with more low budget accommodation.

Mr. Boyd (President of CIPS) thanked the General Assembly for their confidence and indicated that his Committee will investigate the request of the General Assembly.

Mr. Bennett expressed his regret for not having been able to convince the General Assembly to hold the Congress in Australia and congratulated his Canadian colleagues.

The President expressed his regret for neither having been able to accept the Australian invitations to hold the Congress 77 nor the Council meeting in Spring 1974.

Mr. Tanaka proposed to investigate the possibilities of an IFIP regional conference: Australia, Japan, AFIPS or something similar, for the future.

Mr. Bennett stated he would be glad to cooperate.

Congress 80

Mr. Goto presented the invitation of the Information Society of Japan to host the IFIP Congress 80.

Mr. Bennett said that the invitation of the Australian Computer Society was extended for the IFIP Congress 80 as well.

Mr. Keilhau expressed great concern about the fact that Europe would not have any important IFIP event for about a decade. He asked that the possibility of shortening the delay between Congresses be seriously considered.

Mr. Douglas approved and suggested that other alternatives could be to have regional conferences. Such possibilities should be studied by the Council.

Mr. Chevion suggested to study the possibility of splitting the Congresses by subjects.

The President said that such proposals should be submitted to the Congress Organization Committee. He underlined the efforts to be put into it and asked support of the General Assembly members in the work of that Committee.

Mr. Keilhau suggested the Congress Organizing Committee be urged to look into this problem.

10. FUTURE EVENTS

10.1 WORLD CONFERENCE ON COMPUTER EDUCATION

Mr. Chevion presented the report (CGA Toronto 73 – STC-WCCE-1)

He mentioned that the preparations were progressing satisfactorily and that the environment and facilities were favourable to a good attendance.

The topics will cover all subjects concerned with education in computer sciences.

Particular care was given to the participation from developing countries.

The event was sponsored by the French Minister of Education and the French Government contributed an amount of FF. 200,000.--. IBI-ICC contributed an amount of US\$ 10,000.—and other contributions from various sources were expected.

Mr. Chevion presented to the General Assembly the request of the Steering Committee for US\$ 5,000.- contribution from IFIP and subsequent revision of the Sofia Budget on this item. This request was very important, especially from the psychological point of view.

General Assembly NOTED the report.

10.2 CONFERENCE ON HUMAN CHOICE AND COMPUTERS

The President submitted a report (CGA Toronto 73 – HCC) providing information on this event as follows:

- The Conference is to be held in Vienna, 1974 April 1 - 5 and is financially supported by the Austrian Government.
- The intent is to focus on the social aspects of computers, and participation is therefore restricted in order to permit small Working Group discussions, the results of which are to be reported in two plenary sessions.
- Four speakers will introduce the main topics and 23 invited papers have been accepted. Proceedings will be edited and preprints distributed to the participants one month before the conference.
- The final programme will be available in February 1974.

The President asked the General Assembly for a grant of US\$ 2,000.-

General Assembly unanimously APPROVED the conference and the grant.

11. FUTURE GENERAL ASSEMBLY MEETINGS

The President read a letter sent by SUCESU, inviting the General Assembly to meet in Brazil in October 1975.

Mr. Dorodnicyn asked if there would be problems with visa regulations.

Mr. de Manuel stated that to his knowledge Brazil had a loose visa policy for events such as international conferences. He said he would provide the necessary details.

General Assembly thanked SUCESU for their invitation.

Mr. Dorodnicyn presented an unofficial invitation, subject to approval by the Academy of Sciences of the USSR, to hold the 1976 General Assembly in the Soviet Union.

CLOSE OF THE MEETING

There being no other matter for discussion, the President thanked all participants for their contribution and closed the meeting.

ACTION LIST

- I. THE SECRETARY is charged to send a formal letter to Chile, Argentina and Mexico claiming their dues and stating the conditions contained in the Bylaws concerning termination of membership in case a member is more than three years in arrears with the payment of dues. (Point 4.3.3 – Dues Situation – GA Minutes)

- II. THE TREASURER is requested to inquire about the member societies' reaction to the proposal of an increase of the membership fees (Point 4 – Executive Body Report, Council Minutes).

The Treasurer is requested to submit a state of IFIP dues in Swiss francs at the old rate of US\$ 1 = Sfr. 4.3 based on the current accepted schedule in dollars (Point 4.3.3 – Conversion of Dues to Swiss francs – GA Minutes)

The Treasurer is charged to negotiate the opening of an IFIP account in Moscow and to work out the details with the appropriate local authorities (Point 6.7 – Currency Committee – Council Minutes).

The Treasurer is instructed to approach the Computer Society of India to explain that the fee of Sfrs. 1,075.- was accepted as a starting condition but that this will have to be reconsidered by the end of 1974 so as to adapt to the size and level of activities of the CSI. (Point 7.5 – Admissions Committee – GA Minutes).

- III. GENERAL ASSEMBLY

General Assembly Members are requested to give their support to find a suitable shape for IAG in IFIP countries (Point 4.1, President – GA Minutes).

General Assembly Members are requested to cooperate to the promotion of Congress 74 / Medinfo 74 (Point 4.1, President – GA Minutes).

General Assembly Members are requested to appoint IFIP correspondents when this has not yet been done (Point 4.2 – Secretary – GA Minutes).

General Assembly Members are requested to immediately submit the proposed fee in Swiss francs to their national society and to send the answer as soon as possible to the Secretariat (Point 4.3.3 – IFIP Dues Situation – GA Minutes).

General Assembly Members are urged to assist the Chairman of TC 1 with the translation of terms that he requires in order to accelerate the publication of Volume II of the "Guide to Concepts and Terms in Data Processing". (Point 5.1 – Terminology – GA Minutes).

General Assembly Members are asked to look into the possibility of establishing an International Exhibition Committee. (Point 9.2.2 – Congress 74 – Organizing Committee – GA Minutes).

General Assembly Members are requested to consider again the possibility of an IFIP contribution to the budget of WCCE 75 – Computer Education - GA Minutes).

- IV. THE CHAIRMAN OF TC 1 is instructed to examine the possibility of publishing the second part of the "Guide to Concepts and Terms in Data Processing" in two or more volumes (Point 5.1 – Terminology – GA Minutes).

The Chairman of TC 1 is instructed to write a small document describing the situation with regard to the publication of the second part of the "Guide to Concepts and Terms in Data Processing" and giving his point of view on the exact assistance which he needs. (Point 5.1 – Terminology – GA Minutes).

- V. THE ADMISSIONS COMMITTEE is requested to immediately look for other national societies to represent those countries where the admitted IFIP member is more than three years in arrears in the payment of the membership fee. (Point 4.3.3 – IFIP dues situation – GA Minutes).

The Admissions Committee is instructed to negotiate with the Irish Computer Society pointing out that as a rule, Sfrs. 1,075,- is the minimum membership fee and that, should they apply for membership,

Sfrs. 538.- would be accepted for a three years' term after which the fee would be revised (Point 7.5 – Admissions Committee– GA Minutes).

- VI. THE STATUTES AND BYLAWS COMMITTEE is instructed to:
- 1) Examine the proposals submitted by the IAG Board of Directors for the changes to be made in the IAG Bylaws concerning the possibility of having Individual Associates and Honorary Fellows in IAG.
 - 2) Prepare a document on this issue for discussion at the next Council meeting and to submit a final proposal to the 1974 General Assembly (Point 5.8 – IAG – GA Minutes).

The Statutes and Bylaws Committee is charged to examine the proposal to increase the number of Trustees and to study a solution to the problem which occurs when Council Members do not effectively attend Council Meetings. (Point 8.3 – Trustees – GA Minutes).

- VII. THE REVIEW COMMITTEE FOR TC 3 is instructed to examine the different items proposed in Document (CGA-Toronto 73 –Educ-1) submitted by Mr. Chevion and to discuss these items with the Chairmen of the different Committees and Working Groups involved who are asked to channel their comments to the Review Committee (Point 7.7 – Education Policy).

- VIII. TC 6 is requested to provide General Assembly Members with a full description of the work involved in the planned experiments of the new Working Group 6.1 on International Packet Switching for Computer Sharing (Point 6 – Data Communications).

Mr. Curran and Mr. Sem-Sandberg are instructed to draft a letter to be sent to the telecommunications administration of UK, France, Germany, Sweden and Norway, urging them to facilitate the allocation of telecommunication channel for experiments conducted by WG 6.1 (Point 5.6 – Data Communications – GA Minutes).

- IX. THE CANADIAN INFORMATION PROCESSING SOCIETY is urged to seriously consider the possibility of moving the date of the Congress 77 from June to July. (Point 9.3 – Congress 77 / 80 – Site Selection).