

IFIP

Minutes of the Council and General Assembly Meetings

11 – 15 October 1976

TASHKENT / U.S.S.R.

COUNCIL AND GENERAL ASSEMBLY MEETINGS

Tashkent, U.S.S.R. - 11 – 15 October 1976

I N D E X

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COUNCIL AND GENERAL ASSEMBLY MEETINGS

Tashkent, U.S.S.R. - 11 – 15 October 1976

HIGHLIGHTS

ELECTIONS

P.A. Bobillier	(Switzerland)	was elected President-Elect
P.Renard	(France)	was elected Vice-President
A.A. Dorodnicyn	(U.S.S.R.)	were elected Trustees for a three-year term
S.Sem-Sandberg	(Sweden)	
N.J. Lehmann	(G.D.R.)	
J.E.D. Navez	(Belgium)	was elected Trustee for a two-year term

IFIP COUNCIL COMPOSITION:

<u>President:</u>	R.I. Tanaka	(U.S.A.)	1974-1977
<u>President-Elect:</u>	P.A. Bobillier	(Switzerland)	1976-1977
<u>Vice-President:</u>	L. Iliev	(Bulgaria)	1974-1977
	J.M.Bennett	(Australia)	1975-1978
	P.Renard	(France)	1976-1979
<u>Secretary:</u>	H. Keilhau	(Norway)	1975-1978
<u>Treasurer:</u>	J. Tuori	(Finland)	1972-1978
<u>Trustees:</u>	A.S.Douglas	(U.K.)	1975-1977
	R. Narasimhan	(India)	1975-1977
	G.N. Boyd	(Canada)	1975-1978
	J.E.D. Navez	(Belgium)	1976-1978
	A.A. Dorodnicyn	(U.S.S.R.)	1976-1979
	N.J. Lehmann	(G.D.R.)	1976-1979
	S.Sem-Sandberg	(Sweden)	1976-1979

ORGANIZATION OF RESPONSIBILITIES:

President-Elect Bobillier:	Cognizant Officer for IAG, AIC, CGC, ECPC, PIC, FC, and Secretariat Adviser
Vice-President Iliev:	Cognizant Officer for TC 3, TC 4 and TC 5
Vice-President Bennett:	Cognizant Officer for TC 2, TC 6 and TC 9
Vice-President Renard:	Cognizant Officer for TC 7 and TC 10
Trustee Boyd:	Cognizant Officer for TC 8

NOMINATIONS COMMITTEE CHAIRMEN:

Nominations Committee:	Vice- President:	N.J. Lehmann
Nominations Committee:	Trustees:	J.E.D. Navez

ADMISSIONS:

Mexico - Sociedad Mexicana de Computacion Electronica (SMCE) was admitted as a Full Member.

Republic of Korea (South Korea) - Korea Information Science Society (KISS); United Arab Republic (Egypt) - the Egyptian Computer Society: admission approved, in principle, conditional upon the personal appearance of an accredited representative at the next Council or General Assembly Meetings.

TECHNICAL COMMITTEES AND WORKING GROUPS:

TC 10 " (Digital Systems Design) was formally approved.

WG 4.4 (Data Protection in Health Information Systems) was formally approved.

TC 3, WG 3.1, WG 3.2, WG 3.3: new Aims and / or Titles were approved.

TC 4: new Title was approved.

WG 8.1 (Design and Evaluation of Information Systems) Scope and Aims were approved.

WG 6.2 (International Information Network) was disbanded.

TASK GROUPS:

- "Computer Applications in the Humanities and the Social Sciences"
- "Terminology Difficulties in Computer Application Fields"

will be established.

CONGRESS 77

Programme Committee: further Papers and Session Chairmen suggestions requested.

MEDINFO 80

It was agreed, in principle, to hold MEDINFO 80 in Japan.

CONGRESS 80

Japan: Kyoto / Technical Sessions: October 6 (Monday) to October 9 (Thursday)
Tokyo / Exhibition: October 8 (Wednesday) to October 11 (Saturday)

Australia: Melbourne October 14 (Tuesday) to October 17 (Friday)

DUES:

- new Dues effective January 1, 1978
- subject to revision on a three-year cycle after 1978
- based on Swiss Cost of Living Index

IFIP INFORMATION BULLETIN:

- main issue in May / June
- second issue around the end of the year

IFIP SUMMARY:

- new Summary will be distributed at Congress 77
- to be formatted for up-dating 18 months later

ATTENDANCE AT MEETINGS:

Following Resolution approved:

"The IFIP General Assembly reaffirms the basic principle that IFIP meetings can be held only in places where all of the participants can be assured of free access without restriction."

EVENTS APPROVED

TC 2

- WC on "Constructing Quality Software", U.S.S.R., May 1977.
- WC on "Modelling in DBMS", France, January 1977.
- WC on "Formal Description of Programming Concepts", East Canada, August 1977

TC 3

- WC on "The Educational Requirements Introduced by Large Information Systems, Netherlands, April 1977
- WC on "Informatics and Mathematics in Secondary Schools - Impacts and Relationships", Bulgaria, September 1977
- WC on "Post-Secondary and Vocational Education and the Needs of Commerce, Government and Industry, Austria, October 1977.

TC 4

- WC on "Mathematical and Computational Methods in Biomedical Research", U.S.A., Fall 1978
(subject to final approval of Council).
- WC on "Medical Linguistics and Artificial Intelligence in Medicine", Sweden, May 1977.
- WC on "Hospital Information Systems", South Africa, Spring 1979.
- WC on "The Computer in the Doctor's Office", Canada, Spring 1979.
- WC on "Health Care Informatics: What Kind of Education?", Fed.Rep. of Germany, September 1978.
- WC on "Evaluation of Effectiveness of Medical Action, Methodology and Experiences", France, Spring 1979
- WC on "Health Economics and Informatics", Norway, 1979.

TC 5

- "PROLAMAT 79", U.S.A., September 1979.
- Second International Symposium on "Software for Computer Control", C.S.S.R., June 1979
Lead sponsor – IFAC).
- Third Joint Conference on "Computer Applications in the Automation of Shipyard Operations and Ship Design", Scotland, Summer 1979. (Probably IFAC – co-sponsorship).

TC 7

- WC on "Modelling and Simulation of Water Resource Systems", Belgium, August / September 1977.
- Ninth Conference on "Optimization", September 1979.
- Third International Symposium on "Computer Performance Modelling, Measurement and Evaluation", U.S.A., August 1977.

n.b. details of the above in the Minutes

COUNCIL MINUTES

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TC 9 (Relationship between Computers and Society)
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- 9.4 Other

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- 10.2 Regional Development
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- 10.6 Membership Status: Chile and Ghana
- 10.7 Co-operation with Non-IFIP Societies

11. CLOSING OF MEETING

COUNCIL MEETING

Tashkent, U.S.S.R. - 11 – 12 October 1976

ATTENDANCECOUNCIL Members Present

R.I. Tanaka	President
J.M. Bennett	Vice-President
L. Iliev	Vice-President
P. Renard	Vice-President
H. Keilhau	Secretary
J. Tuori	Treasurer
P.A. Bobillier	Trustee
G.N. Boyd	Trustee
D. Chevion	Trustee
A. A. Dorodnicyn	Trustee
A.S. Douglas	Trustee
R. Narasimhan	Trustee

Invitees Present (for certain Agenda items)

P.J. Dixon	IAG Chairman
J.H. Finch	Congress 77 OC Chairman
A. Orsava	Congress 77 PF Chairman
J. Roukens	Chairman, TC 4 / MEDINFO 77
S. Sem-Sandberg	Finance Committee Chairman
W.M. Turski	Congress 77 PC Chairman

Observer

V. Zhurin	U.S.S.R. Academy of Sciences
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In Attendance

L. Baskakova	Assistant to A. A. Dorodnicyn
P. Doumkov	Assistant to L. Iliev
Miss G. Roberts	IFIP Administrative Secretary
S. Tuljaganov	Uzbek Academy of Sciences – Meeting Assistant
O. Zenina	Meeting Secretary / Translator

1. CALL MEETING TO ORDER

The President opened the Council Meeting at 2:00 p.m. and welcomed all participants.

2. APPROVAL OF AGENDA

Council unanimously APPROVED the Agenda, including the morning Executive Body Meeting.

3. APPROVAL OF PREVIOUS MINUTES (C1-Dresden-76)

Council unanimously APPROVED the Dresden Minutes.

4. EXECUTIVE BODY REPORT

The President announced that the added Agenda items from the Executive Body Meeting were: FIACC Meeting – October 1976; Regional Development; IFAC Secretariat; Publication of Bulletin and Summary; Membership Status: Chile and Ghana, and Co-operation with Non-IFIP Societies.

The President said that Mr. Bennett, on behalf of the Australian Computer Society, had presented a proposal regarding the membership status of the President; this item would be deferred to the General Assembly.

The President pointed out that a Council Meeting prior to a General Assembly should be considered as a working meeting in preparation for the General Assembly Meeting, as contrasted with a Spring Council Meeting, which had more decision-making responsibilities.

9. 5. TECHNICAL COMMITTEES, IAG, IAPR

- 5.1 TC 2 (Programming)
 TC 6 (Data Communication)
TC 9 (Relationship between Computers and Society)

TC 2: Mr. Bennett mentioned three issues. One concerned the low attendance of current members at TC 2 Meetings (adding that inactive members could give rise to a quorum difficulty). The second was the need to urge unrepresented National Societies to nominate members; the third related to clarification of the transmission of documents to outside Bodies, since the instructions in the Standing Orders were not entirely clear.

TC 6: Mr. Bennett announced that the TC 6 Chairman, Mr. Pouzin, would be present at the General Assembly, and mentioned that TC 6 also required strengthening its membership.

TC 9: Mr. Bennett stated that TC 9 is planning to form two Working Groups: 9.1. and 9.2.. Their exact definition and schedule of activities are being worked out and would be presented to the Spring Council Meeting for final decision at the Toronto General Assembly.

Action:
Sec't

Mr. Renard mentioned that the potential Aims and Scopes of Working Groups 9.1 "Computers and Work" and 9.2. "Computers and Social Accountability" had been discussed in APC and comments would be transmitted to Messrs. Bennett and Gotlieb. Mr. Bennett requested the Secretariat to forward updated versions of the IFIP Summary showing WG definitions to the Acting WG Chairmen. Mr. Bobillier pointed out that the Annual Report indicated that WG 9.1 had already been agreed upon within TC 9. Mr. Bennett replied that a subsequent document circulated to TC 9 members clearly pointed out additional work on definitions was to be done.

- 5.2 TC 3 (Education)
TC 4 (Information Processing in Medicine)
TC 5 (Computer Applications in Technology)

TC 3: Mr. Iliev announced that the TC 3 Chairman, Mr. Wolbers, would be presenting a report to the General Assembly. One of the major items would be a request for approval of new Aims for TC 3 and for three of its Working Groups, as included in the Annual Report. Mr. Iliev felt that the General Assembly members had had sufficient opportunity to study these and hoped they would be approved.

TC 4: Mr. Iliev pointed out that TC 4 was currently in session and that the TC 4 Chairman, Mr. Roukens, would present a report to the General Assembly. One request would be to change the name of the TC to "Technical Committee for Information Processing in Health Care and the Life Science". Mr. Renard said that APC thought it more appropriate to replace "the Life Science" by "Biomedical Research".

(Mr. Roukens later attended the Council Meeting following his TC 5 Meeting. His comments are included here.)

Mr. Roukens said that among the points to be presented to the General Assembly would be TC 4's proposal to set up a committee to investigate the structure of TC 4 and the feasibility of making a change within the existing framework of IFIP. One reason was that in many countries, there are organizations dealing with medical informatics which have no direct connection with IFIP and a change could facilitate TC 4's relationship with them, e.g. the establishment this year of a European Association of Medical Information Processing Societies. Also, many TC 4 members experience difficulties within their countries since TC 4 is considered as dealing only with technical aspects of medical applications, not the broader areas of medical and public health problems. The objective is to have the committee present a proposal for discussion at the Toronto General Assembly, and confirmation at the following General Assembly – i.e. a span of two years. The President said the appreciated this timing. Mr. Roukens indicated that TC 4 also wanted to establish a new Working Group, 4.4, "Data Protection in Health Information Systems" with Aims and Scope of a non-permanent nature. Mr. Renard said that APC foresaw no problems.

TC 5: Mr. Iliev referred to report (CGA Tashkent 76 / TC 5-2) and in particular to TC 5's request for approval of the proposed WG 5.2 Conference entitled "Artificial Intelligence and Pattern Recognition in Computer Aided Design". Mr. Dorodnicyn felt this should be discussed with IAPR. Mr. Renard replied it was being coordinated in APC, in which Mr. Chevion, the IFIP / IAPR Liaison Officer, was a member.

Mr. Iliev said the joint TC 5 / TC 9 Varna International Working Conference on "Socio-Technical Aspects of Computerization" had previously been approved, but postponed for several reasons. A grant of SFr. 8,000 was being requested under the TC 5 budget.

- 5.3 TC 7 (System Modelling and Optimization)

Mr. Renard referred to his report (CGA Tashkent 76 / TC 7-0) and observed that TC 7 had not held a recent meeting, though a number of Working Conferences had taken place during the year – as outlined in the Annual Report. Mr. Renard said that two requests would be put forward to General Assembly: formal approval of a WG 7.1 Working Conference on "Modelling and Simulation of Water Resource Systems" – August 30 – September 2, 1977 in Ghent, Belgium, with withdrawal of the grant request (SFr. 3,250 approved at the Dresden Council Meeting), and formal approval to prepare for the 9th TC 7 Conference on "Optimization" – September 1979. Mr. Renard expressed concern that preparation for future activity had been low.

- 5.4 TC 8 (Information Systems)

Mr. Boyd submitted the Minutes of the TC 8 Meeting in Amsterdam on September 4, 1976 as the TC report (CGA Tashkent 76 / TC 8-1). Working Groups 8.1 and 8.2 had defined new Aims and Scopes which he proposed to present to the General Assembly for approval. Also, TC 8 had revised its Aims and Scope, following approval at the Dresden Council Meeting. The consensus was that any revisions to the TC 8 Aims and Scope should follow the appointment of the new TC 8 Chairman. The President pointed out there was no request to the General Assembly to approve the revised Aims and Scope of TC 8, and only the Working Groups had to be considered at this time. Mr. Renard felt that WG 8.1 was very well defined and satisfactory, but expressed concern about the overlap in membership with WG 2.6.

After considerable discussion, it was proposed that Mr. Boyd present the Aims and Scope of WG 8.1 to the General Assembly, but that the Aims and Scope of WG 8.2 should be worked on further.

Action
TC 8 Cog. Officer

The President asked Mr. Boyd to work with the TC 8 and APC Chairmen on clarifying the issue of the TC 8 Aims and Scope for presentation to the Spring Council Meeting. Modifications in the Aims and Scope are to include ample justification for the change.

Action
TC 8 Cog. Officer

Mr. Boyd added that TC 8 had decided Mr. Langefors should carry on as Interim Chairman until the Toronto General Assembly when Mr. Verrijn Stuart, Vice-Chairman, would take over. Following discussion, the President suggested that Mr. Boyd request Mr. Verrijn Stuart to take over the function of TC 8 Chairman as soon as possible in 1977

A motion to this effect was unanimously ADOPTED.

Action
TC 3, TC 8 + IAG
Cog. Officers

Mr. Boyd said that no formal budget request had yet been submitted, subject to discussion with the Treasurer. There was also a question of the joint Working Conference (TC 3 / TC 8 / IAG) on "Educational Requirements Introduced By Large Information Systems" to be held in April 1977 for which a grant of SFr. 5,000 had been allocated in Rio. Mr. Dixon suggested that the Chairmen of TC 3 and TC 8 be asked to consider using the services of the IFIP Foundation rather than an outside Secretariat. The President requested the Cognizant Officers to follow up on this entire matter.

5.5 IAG

Mr. Bobillier stated that the IAG Annual Report was not included in the IFIP Annual Report, but had subsequently been circulated to all General Assembly members in September 1976. He recalled that the financial situation of IAG had been discussed in Dresden and that the President had appointed a Task Group to look into the reasons for the projected loss. Mr. Bobillier said that the Task Group, under his Chairmanship, had met in London in April 1976, and had suggested short and long-term recommendations to the President. The IAG Board of Directors met in Rome on June 16, 1976 and Mr. Bobillier remarked that the then Chairman presented a budget for 1977 with a projected accumulated deficit of Fl. 138,300 at the end of 1977, an intolerable picture.

Mr. Bobillier reported that at the IAG General Conference, Mr. Dixon had been elected to take the office of IAG Chairman immediately. Since then, because of several actions, the forecasted financial deficit for 1976 is foreseen to be Fl. 48,000 and the 1977 deficit, Fl. 7,000.

Mr. Dixon pointed out that Fl. 20,000 of the 1976 deficit is an extraordinary provision for bad debts. He added that Fl. 7,300 had recently been recorded as the result of a donation drive.

Mr. Dixon stated that an infusion of new people into IAG Management would be necessary during the next two to three years to stimulate other positive actions. He added that he had written about 50 letters to executives in North America; 15 replies had been received thus far, with 10 indicating that they would join IAG or requesting additional information. Mr. Dixon also referred to the Oxford Centre for Management Studies with which IAG is establishing Executive Round Table Meetings, to bring together executives in Europe, with an objective of attracting new Partners for IAG:

Mr. Dixon said that until IAG is in the black again, no IAG Officer would be entitled to any expenses. He added that IAG had appointed an experienced Activities Committee Chairman and a new Programme has been established for 1977 and 1978. Mr. Dixon said he was open to any discussion / suggestion on methods of management, budget, etc.

The President commended the personal efforts expended by Mr. Dixon in trying to ameliorate the IAG situation, but noted that the question of whether the financial problem is solvable remains to be worked out.

Mr. Bobillier indicated that Council recommend to the General Assembly that the IFIP guarantee of Fl. 55,000 to the Foundation be extended to the end of 1977, and that Council be given the authority to increase this guarantee by a defined amount, up to Fl. 15 / 20,000, should this be found necessary in the Spring.

Council APPROVED.

5.6 IAPR

5.6.1 Clarification of Status

Mr. Keilhau said that the recommendations in the report (CGA Tashkent 76 / IAPR-1) on the clarification of the status between IAPR and IFIP would be submitted to the General Assembly. Along with the status of IAPR as an Affiliate Member, as defined by the IFIP Statutes and Bylaws, each party will appoint a Liaison Officer and will keep each other informed of their activity plans. IAPR will also contribute to the IFIP Annual Report.

Mr. Bennett mentioned that IFIP might be approached by another organization on becoming an Affiliate Member and recommended that guidelines or Standing Orders should be laid down. Mr. Keilhau remarked that the Statutes and Bylaws Committee had been discussing an amendment to the Bylaws, Section 2.3, on the Admission of Affiliate Members. A proposal is expected for the General Assembly in Toronto.

5.6.2 Activity

Mr. Chevion, the current IFIP / IAPR Liaison Officer, referred to his report (CGA Tashkent 76 / IAPR-2) and in particular to the point indicating that IAPR's activities would be included in the IFIP 6-Year Plan.

Mr. Chevion mentioned that a report on IAPR was included in the IFIP Annual Report and drew attention to the Third International Conference on Pattern Recognition which would be held in Coronado, U.S.A. in November 1976.

6. COMMITTEE REPORTS

6.1 Activity Planning Committee

Mr. Renard referred to his report (CGA Tashkent 76 / APC-1) and said APC would be presenting one item for approval by the General Assembly, namely, establishing a new Technical Committee, No: 10, on "Digital Systems Design". This is the result of work carried out by a Task Group chaired by Mr. Piloty. Since the Task Group's report had been distributed to the General Assembly members in September 1976, only the proposed Aims and Scope would be distributed to the General Assembly.

There was some discussion of the nomenclature and of the need for the Technical Committee. Also, the President asked if APC had studied the question of the suitable number of Technical Committees, since formation of a TC places an obligation on the National Members. Mr. Renard thought that this might be better handled by the Executive Body.

Action:
President

Following discussion on the number of Technical Committees which should exist and the number of Working Groups which could be created, the President said he would appoint a committee of three to look into these issues.

Mr. Renard stated APC plans to establish two further Task Groups, one on "Computer Applications in the Humanities and the Social Sciences" and the other on "Terminology Difficulties in Computer Application Fields".

6.2 Admissions Committee

Mr. Narasimhan said that his report (CGA Tashkent 76 / AC-1, 2 + 3) had been circulated to General Assembly members in early September 1976 and drew attention to AC's recommendation to admit Mexico and the Republic of Korea (South Korea) to Full Membership.

Not in the report was an official request from Norway, asking that a new society, the Norwegian Computer Society, resulting from the combination of two Norwegian associations, be recognized as the IFIP Member. Mr. Narasimhan also announced that the Egyptian Computer Society of the United Arab Republic (Egypt) had applied for Membership, but that this had not yet been discussed with the other members of AC. He had, therefore, prepared an interim report (CGA Tashkent 76 / AC-4) and hoped the matter could be dealt with at the Spring council Meeting.

Mr. Bobillier queried if representatives from Mexico and South Korea would be present at the General Assembly Meeting. Mr. Narasimhan replied that invitations had been sent, but no one would be coming. However, it was likely that Mexico would send a representative to the Spring Council Meeting. Mr. Bobillier moved that Council recommend to General Assembly the admission of Mexico as a Full Member.

Council unanimously APPROVED this motion.

On the South Korean application, there was discussion on the matter of recognizing two Koreas, and on the status of the applying society – The Korea Information Science Society (KISS). Mr. Narasimhan replied that complete information was available in the AC report and that the Admissions Committee felt KISS's application fulfilled the required criteria.

Council APPROVED a recommendation to the General Assembly, the admission of South Korea and the United Arab Republic (Egypt).

Council also APPROVED that Messrs. Keilhau and Narasimhan present to the General Assembly a proposal to transfer Membership from the previous Norwegian associations (Norwegian Computer Society and Norwegian Data Processing Association) to the new one – Norwegian Computer Society.

6.3 Congress Guidelines Committee

Mr. Bennett announced that Mr. Koory would not be in Tashkent, but a report would be presented to the General Assembly on Mr. Koory's behalf.

6.4 European Conference Policy Committee

The President proposed that Mr. Sem-Sandberg's report (CGA Tashkent 76 / ECPC 79-1) be discussed at the General Assembly.

6.5 Finance Committee

Mr. Tuori referred to report (CGA Tashkent 76 / FC-1) and in particular to the proposed Dues structure and automatic adjustment of same. After some discussion the President proposed the discussion be deferred to the General Assembly Meeting.

In connection with Other Sources of Income, and cooperation with the North-Holland Publishing Co. on publication royalties, Mr. Dixon expressed the desire for IAG to be included in any arrangement.

Action:
President

The President will contact North-Holland to introduce Mr. Dixon.

6.6 IFIP Committee for International Liaison (ICIL)

Mr. Douglas drew attention to the ICIL contribution to the IFIP Annual Report and advised that an ICIL Meeting had taken place prior to Council. Mr. Douglas stated that an action point resulting from this meeting is a recommendation to the General Assembly to support ICIL's nomination of Professor Harry D. Huskey for the UNESCO Science Prize.

6.7 Publications Committee

The President announced that Mr. Zemanek, PC Chairman, would present a report to the General Assembly.

6.8 Public Information Committee

The President likewise advised that Mr. Navez, PIC Chairman, would present a report to the General Assembly.

6.9 Regional Conference Policy Committee

Mr. Bennett said that they could not move faster than CGC. So far, eight draft chapters of the CGC Guidelines had been distributed to RCPC members.

6.10 Statutes and Bylaws Committee

The President indicated that the recommendations of SBC (refer report GA Tashkent 76 / SBC -1) had been distributed to General Assembly members in mid-August 1976. Since one point concerned the number of Trustees, the President said that the SBC report would be discussed in General Assembly prior to the elections.

7. IFIP CONGRESSES

7.1 Congress 77 Organizing Committee

Mr. Finch, C77 OV Chairman, introduced Mr. Orsava, C77 PR Chairman, and said they had prepared a comprehensive report which would form the basis of the final report. Mr. Finch pointed out that a new budget (the third) had been prepared for distribution to the General Assembly, with an estimate of the surplus to IFIP based on attendance of 4,000.

Mr. Finch announced that it had originally been anticipated that a Congress Manager would be hired a few months prior to the Congress itself, but that it appeared necessary to take more immediate action. With Council's agreement, he planned to assume full-time participation as Congress Manager.

Council APPROVED.

Mr. Finch indicated that the Organizing Committee's relationship with the Programme Committee was going well, that early bird registration had realized approximately \$40,000 and that a number of exhibition booths had been sold. He added that AFIPS considered an anticipated 2,500 U.S. participants as over-optimistic and OC is, therefore, trying to attract more Canadian and overseas registrants. Mr. Finch mentioned that one of Mr. Orsava's tasks during the General Assembly gathering would be to establish better contact with the National Societies through the General Assembly representatives.

Mr. Finch said that no arrangements had yet been made for a closing ceremony. The President remarked that this was the occasion when the new IFIP President took office and the Silver Core awards were presented. Discussion ensued and it was decided that OC would make arrangements for a closing ceremony.

Regarding dual registration for Congress 77 and MEDINFO 77, Mr. Finch stated that a MEDINFO 77 registrant would be charged an extra \$ 50 for C77 and a C77 registrant would be charged an extra \$55 prior to April 30, 1977 and an extra \$60 after that date for MEDINFO77. No student fee had been provided.

7.2 Congress 77 Programme Committee

Action
C77 PC Ch.

Mr. Turski said the Programme Committee work was progressing smoothly. He announced that PC is eagerly looking for Congress Session Chairmen; despite written requests to all National Societies to provide suitable names, only one answer had been received to-date. Mr. Turski felt this matter should be brought to the attention of the General Assembly members, since PC has to make its final decisions by February 1977. Mr. Bennett asked if it would be possible to supply the General Assembly member and / or the liaison person with the names of people who have registered, to help in obtaining suggestions regarding Session Chairmen. The President requested that the registrants' names be made available.

Mr. Turski referred to report (GA Tashkent 76 / C77 PC-1) and, in particular, to a suggestion to organize five discussion panels, with tentative titles, in areas of broad scope. After considerable discussion, because of the controversial nature of some of the topics, it was decided to continue the discussion in the General Assembly Meeting.

7.3 MEDINFO 77

Mr. Roukens announced that Mrs. Barrett (representing the OC Chairman) and he would be presenting reports to the General Assembly.

7.4 Congress 80 – Australia / Japan

The President advised that C80 representatives from Australia and Japan would be present to give their reports to the General Assembly, but requested Council to give thought to the question of a Programme Committee Chairman, since this appointment should be made shortly.

7.5 MEDINFO 80

Mr. Roukens said he had received a formal proposal from Japan to host MEDINFO 80 in Tokyo one week prior to IFIP Congress 80. The budget would be based on a 1,000 participation to break even. Mr. Roukens added that the Japanese would have funding for back-up purposes and that simultaneous translation would be covered outside of the MEDINFO budget.

8. CONFERENCES

8.1 SEARCC

Mr. Bennett commented on the success of SEARCC 76, with a participation of over 350 delegates from about 20 countries. He indicated there were plans to hold a SEARCC 78 and other activities. The SEARCC Liaison Committee wished to propose to the General Assembly that IFIP establish a South East Asian Regional Committee for the purpose of organizing regional activities.

Council unanimously APPROVED this proposal.

Action:
ICIL Ch.

The President suggested that Mr. Douglas, ICIL Chairman, look into the possibility of obtaining UNESCO support for these South East Asian regional activities.

8.2 ICCA

Mr. Chevion referred to his report (CGA Tashkent 76 / AITC-1) and confirmed that arrangements were proceeding satisfactorily for the International Conference on Computer Application in Developing Countries – scheduled for August 22-25, 1977 in Bangkok, organized by the Asian Institute of Technology. He recalled that IFIP had agreed to sponsor this Conference “in name only” at the Rio General Assembly; however, he wished to propose to the General Assembly that IFIP accord a guarantee of up to SFr. 3,750 if there should be a final deficit, under certain conditions.

Council APPROVED, unanimously, the proposal to the General Assembly.

9. FUTURE COUNCIL AND GENERAL ASSEMBLY MEETINGS

9.1 The British Computer Society Invitation – Council

Action:
President

The President announced, after consultation with Council members, the week of March 7-11, 1977 for the London Meeting. He would propose the following schedule to The British Computer Society:

Wednesday a.m.,	9 March	-	Executive Body
Wednesday p.m.,	9 March	-	Council
Thursday a.m.,	10 March	-	Council
Thursday p.m.,	10 March	-	free
Friday	11 March	-	Council

9.2 Computer Society of India Invitation – Council

Action:
President

The President confirmed that CSI had kindly offered to host the 1978 Spring Council Meeting and Mr. Narasimhan said the venue would be either Bombay or New Delhi. The President felt it should be planned for late February / early March in view of the 1977 General Assembly taking place early August; however, the timing could be discussed further at the 1977 Spring Council.

9.3 Australian Computer Society Inc. Invitation - General Assembly

The President said ACS had kindly offered to host the General Assembly in Sydney in 1980 and informed Mr. Bennett that it would be appreciated if the decision could be delayed.

9.4 Other

The President advised of an invitation from Norway to host the 1978 Council and General Assembly Meetings in Oslo, and of the availability of an invitation from the U.S.A. to meet in Southern California.

10. OTHER COUNCIL BUSINESS

10.1 FIACC Meeting

The President announced he had attended a FIACC Meeting in Paris the previous week.

Much of the discussion, among the Presidents and representatives of the five international associations, was on coordination of activities. Specific requests for co-sponsorship and cooperative activities would be sent to the IFIP Secretariat.

The matter of UNESCO membership was also discussed at length. FIACC has decided to defer any further action on this matter, and to maintain its current working relationship with UNESCO.

The President mentioned that Mr. Douglas had chaired a FIACC / UNESCO Committee in March 1976, on the topic of computer activities in developing countries.

The President said the next FIACC Meeting was scheduled for March 1977, adjacent to the time of the IFIP Council Meeting.

10.2 Regional Development

Mr. Bennett said the SEARCC experience would be valuable for similar future undertakings, and again referred to the work being carried out by RCPC in formulating guidelines for regional conferences within the concepts of CGC.

10.3 General Assembly Agenda

The Agenda was discussed and additions suggested and adopted (refer General Assembly Minutes).

10.4 IFAC Secretariat

Action:
Mr. Bobillier

Mr. Bobillier described the contact by Mr. Cuenod, IFAC Treasurer, on the possibility of adjoining the IFAC Secretariat to the IFIP Secretariat. It was agreed that Mr. Bobillier would write to Mr. Cuenod, proposing the services of the IFIP Foundation, since it had the space and staff to provide for IFAC.

10.5 Publication of Information Bulletin and Summary

Action:
Sec't

Mr. Keilhau said it was the unanimous decision of the Executive Body that the Information Bulletin should be produced at least twice yearly, and the Secretariat will undertake to produce the main issue in Summer and a further issue near the end of the year.

Action:
Sec't

Regarding the Summary, Mr. Keilhau announced that it had previously been issued in conjunction with the IFIP Congress. However, the Executive Body had proposed that an update be issued 18 months later.

10.6 Membership Status: Chile and Ghana

With regard to Chile and Ghana which, by the end of 1976, will be three years in arrears with Dues payments, Mr. Keilhau said he had sent registered letters to the respective societies in mid-September 1976. Chile had responded, stating its desire to remain in IFIP and to up-date its Dues situation, but no reply had been received from Ghana. The President requested Mr. Keilhau to present these cases to the General Assembly (refer report CGA Tashkent 76 / SECR.-3).

10.7 Co-operation with Non-IFIP Societies

Mr. Keilhau remarked that, in various countries, there are societies not necessarily familiar with IFIP, for example, the European Medical Informatics Association. (There has been a proposal that IFIP should instruct its National Member Societies to establish contact with them.) The President said this general issue is on the Agenda in view of a request from the TC 4 Chairman, Mr. Roukens.

11. CLOSING OF MEETING

The President thanked the Council Members for their contributions and declared the Meeting closed.

GENERAL ASSEMBLY MINUTES

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GENERAL ASSEMBLY MEETING

Tashkent, U.S.S.R. - 13 – 15 October 1976

ATTENDANCEOfficers Present

R.I. Tanaka	President	U.S.A.
J.M. Bennett	Vice-President	Australia
L. Iliev	Vice-President	Bulgaria
P. Renard	Vice-President	France
H. Keilhau	Secretary	Norway
J. Tuori	Treasurer	Finland

Members Present

H. Zemanek		Austria
J.E.D. Navez		Belgium
G.N. Boyd		Canada
L. Gvozdjak		Czechoslovakia
TH Herborg-Nielsen		Denmark
R. Piloty		Federal Republic of Germany
N.J. Lehmann		German Democratic Republic
I. Kadar*		Hungary
R. Narasimhan		India
D. Chevion		Israel
E Goto		Japan
W.L. van der Poel		Netherlands
L. Lukaszewicz		Poland
S. Sem-Sandberg		Sweden
P.A. Bobillier		Switzerland
A.S. Douglas		United Kingdom
A. A. Dorodnicyn		U.S.S.R
P.J. Dixon	Assoc. Member	IAG

Members Represented by Proxy

T.A. Scoular	New Zealand
G. van der Veer	South Africa
I.Kadar *	Hungary

Proxy Held By

J.M. Bennett
J.M. Bennett
A. A. Dorodnicyn

Members Absent

Y. Mentalecheta		Algeria
R. Carvalho de Oliveira		Brazil
R.J. Duran		Chile
J. Martinez Martinez**		Cuba
C.E. Quist		Ghana
J.F. Dempsey		Ireland
L. Dadda		Italy
M.A.Eced S.		Spain
A.P. Zeleznikar		Yugoslavia
I.L. Auerbach	Honorary Member	
H. Freeman	Affil Member	IAPR

(* present 13 October only)

(** Proxies given to C. Remesar Meneses and G. Sacerdoti respectively who were unable to attend.)

Technical Committee Chairmen Present

D.H. Wolbers
J. Roukens
L. Pouzin

TC 3 Chairman
TC 4 Chairman
TC 6 Chairman

Technical Committee Chairmen Absent

M. Paul
T.J. Williams
A.V. Balakrishnan
B. Langefors
C.C. Gotlieb

TC 2 Chairman
TC 5 Chairman
TC 7 Chairman
TC 8 Chairman
TC 9 Chairman

Committee Chairmen Present

J.H. Finch
A. Orsava
W.M. Turski
M. Barrett
K. Ando
A.W. Goldsworthy

representing
representing

Congress 77 Organizing Committee
Congress 77 Organizing Committee - PR
Congress 77 Programme Committee
MEDINFO 77 Organizing Committee
Congress 80
Congress 80 Organizing Committee - Australia

Observers Present

V.K. Kabulov

A.J. Kitov
M. Oshima

A.S. Sadykov
Gy. Striker
V. Zhurin

Computing Centre, Uzbek Institute of
Cybernetics
TC 4 Member: U.S.S.R.
Chairman, Japanese Committee for
Arrangement of MEDINFO 80
President, Uzbek Academy of Sciences
Honorary Secretary, FIACC
U.S.S.R. Academy of Sciences

In Attendance

L. Baskakova
P. Doumkov
Miss G. Roberts
S. Tuljaganov
O. Zenina

Assistant to A. A. Dorodnicyn
Assistant to L. Iliev
IFIP Administrative Secretary
Uzbek Academy of Sciences – Meeting Assistant
Meeting Secretary / Translator

1. CALL MEETING TO ORDER

The President opened the General Assembly Meeting and welcomed all participants. He introduced a new National representative, Mr. Piloty of DARA, Federal Republic of Germany, and a new Chairman of IAG, Mr. Dixon.

The President also introduced two of the Hosts: Mr. Kabulov of the Computing Centre, Uzbek Institute of Cybernetics and Mr. Sadykov, President of the Uzbek Academy of Sciences.

Mr. Sadykov, in welcoming the IFIP representatives, gave a brief history * of the mathematical work in Uzbekistan. He underlined the importance of informatics and the necessity of international co-operation.

The President, on behalf of IFIP, expressed his appreciation to the Hosts for their hospitality and for the work undertaken to organize the General Assembly Meeting in Tashkent.

Mr. Keilhau announced that proxies had been received from Mr. Scoular, New Zealand and from Mr. van der Veer, South Africa, in favour of Mr. Bennett. He mentioned that proxies had been given by Mr. Martinez Martinez, Cuba, in favour of Mr. Remesar Meneses and by Mr. Dadda, Italy, in favour of Mr. Sacerdoti, but Messrs. Remesar Meneses and Sacerdoti were also unable to attend.

Mr. Keilhau added that absence notifications, without proxies, had been received from the representatives of Brazil and Ireland, but no notification of any kind had been received from Algeria, Chile, Ghana, Spain and Yugoslavia.

* Quoting the names of famous Uzbekistani mathematicians across the centuries, Mr. Sadykov mentioned Al Khorezmy, who had given exact definitions to rules of computational procedures and pointed out that "algorithm" is a modification of his name.

2. APPROVAL OF AGENDA

General Assembly unanimously APPROVED the agenda with the inclusion of other items.

3. APPROVAL OF PREVIOUS MINUTES (GA RIO 75)

General Assembly unanimously APPROVED the Minutes OF THE Rio General Assembly Meeting.

4. PRESIDENT'S REPORT

The President announced that his report would be relatively informal and brief, and that his major comments would be presented with each Agenda item.

The President described results and actions from: the Spring Council Meeting in Dresden; INFOPOL 76 in Warsaw following Council; SEARCC 76, September in Singapore; the IFIP Foundation Board Meeting and several meetings with IAG management; meetings with UNESCO in March and in July; and a FIACC Meeting in Paris just prior to the General Assembly.

The President added that a large number of Working Conferences had taken place during the past year, that an Information Bulletin had been issued in May and that the 1975-76 Annual Report had been distributed at the end of August.

In terms of the future, the President mentioned progress on the Regional Conference in Europe, tentatively scheduled for 1979, and discussed some of the work being carried out by the Congress 77 Organizing and Programme Committees, as well as the MEDINFO 77 Committees.

5. SECRETARY'S REPORT

Mr. Keilhau referred to his comments in the Annual Report. He said that Executive Body and Council had discussed the desirability of issuing two Information Bulletins per year; as a result, the Secretariat would produce the main issue in May/June and a second issue around the end of the year. As for the IFIP Summary, Mr. Keilhau mentioned that the Summary had previously been issued in conjunction with a Congress, but that the new Summary, produced for distribution at Congress 77, would be formatted to allow up-dating 18 months later.

6. ADMISSIONS COMMITTEE

Mr. Narasimhan referred to his report (CGA Tashkent 76/AC-1) summarizing the activities of the past year. He advised that he had received a letter from Argentina indicating their intent to apply for IFIP Membership, but it will take up to a year. Ireland foresees being able to send a representative to the London Spring Council.

Mr. Narasimhan announced that the problem of multiple Membership applications from Mexico had been resolved and Sociedad Mexicana de Computacion Electronica (SMCE) had submitted up-dated information. He drew attention to AC's recommendation to admit SMCE as a Full Member (CGA Tashkent 76/AC-2). Mr. Tuori said FC proposed 1977 Membership Dues for Mexico in the amount of SFr. 2,150.

General Assembly unanimously APPROVED the admission of SMCE as a Full Member to represent Mexico with 1977 Membership Dues of SFr. 2,150.

Action:
President

Mr. Narasimhan suggested that the President write to the SMCE President, advising him of the planned Dues increase and subsequent automatic adjustment.

Mr. Narasimhan referred to report (CGA Tashkent 76/AC-3) recommending approval of the application from the Korea Information Science Society (KISS) to represent the Republic of Korea (South Korea) and to report (CGA Tashkent 76/AC-4) recommending approval of the reactivated application of the Egyptian Computer Society to represent the United Arab Republic (Egypt). Mr. Narasimhan said these cases had been discussed in Council, with the recommendation that the General Assembly approve, in principle, the admission of the South Korean and Egyptian Societies, with formal admission of each conditional upon the personal appearance of an accredited representative of the Society at either the March 1977 Meeting of the IFIP Council in London, or the August 1977 Meeting of the IFIP General Assembly in Toronto.

General Assembly unanimously APPROVED Council's recommendation.

Mr. Tuori moved that the Membership Dues for Egypt be SFr. 1,075 for 1977 and SFr. 1,400 from 1978.

General Assembly unanimously APPROVED the motion.

Action:
Council

As for the Dues for South Korea, Mr. Tuori said he required further financial information before recommending a figure. Mr. Douglas proposed that the General Assembly delegate to Council the decision for establishing the Dues figure for South Korea.

General Assembly unanimously ADOPTED the proposal.

Mr. Narasimhan drew attention to an omission in his report concerning Norway. The two Norwegian associations holding IFIP Membership through their Joint Committee of Data Processing Societies had made organizational changes and requested that the Norwegian Computer Society (NCS) be regarded as the Norwegian Member in IFIP as from 1 July 1976. Mr. Keilhau pointed out that documentation, including the NCS Statutes, historical background and information on members and financial resources, had been forwarded to the President and AC Chairman in mid-August 1976.

Mr. Douglas moved that the General Assembly accept this change.

General Assembly unanimously ADOPTED the motion.

6A. STATUTES AND BYLAWS COMMITTEE (Agenda Point 12.9)

Mr. Lehmann referred to the SBC report (CGA Tashkent 76/SBC-1) which had been distributed to General Assembly members in early August 1976, thereby fulfilling statutory requirements, seeking approval of the following recommendations:

In Statute 4.2.1, the restriction to six Trustees should be replaced by a restriction to eight.

General Assembly unanimously APPROVED this recommendation.

At the end of Statute 4.2.1, add (as was approved): A Trustee who has not attended two consecutive Council meetings is deemed to have resigned and a successor may be elected.

After a short discussion, General Assembly unanimously APPROVED this recommendation. (the original recommendation, prior to discussion, used the word "should" instead of "may".)

Bylaws Section 2.1.4 should be amended to read:

Formal Admission

The actual admission of an organization after approval by the General Assembly shall be preceded by payment of dues and shall occur at a meeting of the General Assembly or Council where an official representative of that organization is present in person, in general (if not otherwise agreed in admission negotiations), one year after the approval at the most.

General Assembly unanimously APPROVED this recommendation.

Mr. Lehmann said that IAG's name-change, which had been approved at the Rio General Assembly, would be written out in full in the revised Statutes and Bylaws reprint which would be issued by year-end. (IAG is referred to in the Appendix to the IFIP Bylaws.)

Action:

IAG Ch.

Mr. Lehmann announced that the Statutes and Bylaws Committee was still without an IAG representative and Mr. Dixon promised to appoint a member following the next IAG Board of Directors Meeting on December 10-11, 1976.

7. ELECTIONS

For the vote: First number will be "in favour"
 Second number will be "against"
 Third number will be "abstention"
 (including ballots improperly filled out)

7.1 Nominations Committee Report: President-Elect

Mr. Boyd referred to the previously-distributed report (GA Tashkent 76/NCPE-1) nominating Mr. Bobillier as President-Elect.

There were no nominations from the floor. General Assembly ELECTED Mr. Bobillier (19/1/4) as President-Elect.

7.2 Nominations Committee Report: Vice-President (three-year term)

Mr. Bobillier referred to the previously-distributed report (GA Tashkent 76/NCVP-1) nominating Mr. Renard as Vice-President for a three-year term.

There were no nominations from the floor. General Assembly ELECTED Mr. Renard (23/0/2) as Vice-President for a three-year term.

7.3 Nominations Committee Report: Trustees

Mr. Bennett referred to report (CGA Tashkent 76/NCT-1) proposing Messrs. Dorodnycyn, Sem-Sandberg, Renard and Lehmann and mentioned that in view of Mr. Renard's nomination as Vice-President, the Nominations Committee would like to propose a further nominee.

The President also drew attention to the decision to permit an increase in the number of Trustees (refer point 6A, of the Minutes) and proposed that General Assembly decide on the number at this point.

General Assembly VOTED, with one abstention, in favour of having seven Trustees.

After recess, Mr. Bennett announced that the Nominations Committee wished to put forward the name of Mr. Navez for a Trustee position.

There were no further nominations from the floor and General Assembly ELECTED the following Trustees:

Mr. Dorodnycyn	for three years	(24/0/1)
Mr. Sem-Sandberg	for three years	(25/0/0)
Mr. Lehmann	for three years	(25/0/0)
Mr. Navez	for two years	(25/0/0)

The President congratulated the persons elected, and thanked Mr. Chevion for his very valuable services as Trustee since 1970.

General Assembly gave a VOTE of thanks to Mr. Chevion.

Mr. Bobillier said he would like to thank the General Assembly for expressing its confidence in him.

8. FINANCES

8.1 1975 Audited Accounts

Mr. Tuori referred to the TREAS-1 report which shows net assets at the end of 1975 of SFr. 589,528.55. Total expenses for 1975 amounted to SFr. 177,357.25 against an income of SFr. 221,907.80. He indicated that the income from royalties was nearly twice the original estimate. Mr. Tuori stated that the accounts had been audited (TREAS-2, the Auditor's Report). He also drew attention to TREAS-3, the 1975 Income/Expense vs. Budget which more broadly described the financial situation.

Mr. Tuori confirmed that the reports had been discussed at the Dresden Council Meeting.

General Assembly unanimously APPROVED the reports, TREAS-1, 2 and 3.

8.2 1976 Statement – to 31 August 1976

Mr. Tuori presented TREAS-4 and pointed out that the receipts were in line with predictions although the royalties income was slightly under budget. He pointed out that the President's account included expenses of the Congress Guidelines Committee and a grant to TC 4 for an Electro-cardiogram Working Conference.

General Assembly NOTED the report.

8.3 Dues Situation

Mr. Tuori pointed out that TREAS-5 indicated the current year's position on Dues payments, and that 76% of the Dues had been paid by 24 September 1976.

Referring to the Back Dues situation (TREAS-6), Mr. Tuori said that action on Chile and Ghana was being taken.

General Assembly NOTED the reports.

8.4 Loans and Grant Report

General Assembly NOTED the report (TREAS-7).

8.5 1977 Budget

(The budget discussion was held at the end of the Meeting, to permit revisions and discussions of proposals, but is reported here for coherence with the other financial reports.)

Mr. Tuori referred to the IFIP 1977 Budget (CGA Tashkent 76/ TREAS-9, dated 14 October 1976), which resulted from actions taken throughout the General Assembly Meeting.

It was moved that the Budget be accepted.

General Assembly APPROVED the motion, with one abstention. (Later action by the General Assembly affects the scope of this motion.)

In a subsequent discussion, several issues relating to the allocation of IFIP resources were raised. Among these were: the relationship of expenditures for technical versus administrative activities, control of budget for new activities, specific items in several of the budget requests and the total budget for 1977 versus expected income.

As part of the discussion, it was moved that the following Committees report to the President-Elect, as Cognizant Officer for these Committees: Internal Awards Committee, Congress Guidelines Committee, European Conference Policy Committee, Public Information Committee, and Finance Committee.

General Assembly ADOPTED the motion, with seven abstentions.

Following additional discussion, it was moved that authority to act on behalf of the General Assembly, on remaining budget and agenda items, be delegated to the Council for their next Meeting in March, or to the President if earlier action were necessary.

The motion was unanimously APPROVED.

8.6 Other

8.6.1 Financial Summary: 1975

Mr. Tuori presented TREAS-8 showing the financial summary to end-December 1975.

General Assembly NOTED the report.

8.6.2 Proposed Changes in 1976 Budget

(The discussion on the 1976 Budget was held at the end of the Meeting, preceding the 1977 Budget discussion of 8.5, but is described here for coherence.)

Mr. Tuori presented report TREAS-10, with proposed changes in the current 1976 Budget. He drew attention to the entry of SFr. 7,000 for the Congress Guidelines Committee, whose expenses to-date of approximately SFr. 5,000 had come out of the President's Account, and to the request of the European Conference Policy Committee for SFr. 2,000.

There was considerable discussion on the advisability of making modifications to the 1976 Budget at this time of the year.

It was proposed that only the revised grants be acted upon. Mr. Tuori referred to:

- INFOPOL (which had been approved by Council in Dresden) – SFr. 5,150.
- TC 4 WC “Electro-cardiogram” (which had been approved by the President) – SFr. 1,866.
- TC 4 WC “Health Data Banks” (already approved by General Assembly in Stockholm) – SFr. 5,000.

He said that the TC 7 WC "Water Resources" request for SFr. 3,250 had been withdrawn.

It was moved that the General Assembly approve only that part of the Revised Budget for 1976 pertaining to the grants.

General Assembly unanimously ADOPTED the motion.

8.6.3 IFIP Foundation Finances

Mr. Tuori drew attention to TREAS-11 showing the Balance Sheet and Statement of Income and Expenditure of the IFIP Foundation for the period 1 January through 30 September 1976.

General Assembly NOTED the report.

9. IFIP FOUNDATION

The President said that while the IFIP Foundation's services and facilities were still mainly used for IAG activities, an increasing level was being used by the Congress 77 Programme Committee and by some of the IFIP Technical, Standing and Ad Hoc Committee.

Mr. Bobillier said that the IAG situation would be discussed later in the meeting, but felt it appropriate to refer to Point 7 of his report (CGA Tashkent 76/IAG-2), recommending the extension of the IFIP bank guarantee of Fl. 55,000 to the IFIP Foundation until the end of 1977. Based on information available, Council had supported this recommendation.

General Assembly unanimously APPROVED extending the guarantee for one year.

Mr. Bobillier subsequently drew attention to Point 8 of his report requesting General Assembly authorization for Council to increase this guarantee by a maximum amount of up to Fl. 15/20,000 in the Spring if deemed necessary.

(Action on this matter is described under Agenda item 16.9, of the Minutes.)

10. CONGRESS 77

10.1 Organizing Committee

Mr. Finch, in beginning his report, introduced Mr. Orsava, C77 Public Relations Chairman.

Mr. Finch referred to the budget contained in the booklet report (GA Tashkent 76/C77OC-1) and said that this third revision showed an improvement in the surplus, based on an attendance of 4,000. Previous budgets had assumed from 5,000 to 6,000 participants and since some of the expenses in the latest budget still related to the higher attendance figure, he felt the current objective would be met. Additionally, there is a better plan for the exhibition; following the Rio General Assembly, OC was successful in arranging for AFIPS to manage the exhibition and they are confident that 300* booths will be sold. Mr. Finch drew attention to the early bird registration of \$40,000, which assists the cash flow.

Mr. Finch requested General Assembly to approve the budget for Congress 77 as submitted in the OC report.

General Assembly unanimously APPROVED the revised budget for Congress 77.

Action:
C77 OC Ch.

Based upon Council recommendation, contrary to the comment in the OC report, there will be a closing ceremony on Friday afternoon of the Congress. The details are to be worked out and will be presented to the Spring Council Meeting.

Mr. Finch announced that the work of OC had become very heavy and so he had made the decision to assume full-time responsibility as Congress Manager, starting November through the end of Congress. Council had been informed and raised no objection to this decision.

General Assembly also APPROVED.

Mr. Finch and Mr. Orsava made a slide presentation of Toronto, including all the locations which would be utilized for the working and social sessions of Congress 77.

* More accurately, the reference is to 3,000 square meters of booth space to be sold.

10.2 Programme Committee

Mr. Turski referred to document (GA Tashkent 76/C77PC-1), supplementing his report in the IFIP Annual Report. He pointed out that the Programme Committee had succeeded in inviting 24 distinguished members of the profession, including 8 executives of commercial firms dealing with data processing, to present papers at the Congress. Mr. Bennett asked about the publicity being undertaken to make the most of the speakers and the topics; Mr. Turski replied that each Newsletter, henceforth, would feature a few of the names and some had been and would be used in publicity releases.

The Programme, as currently defined, will consist of 108 sessions, each of 90 minutes, of which 63 sessions will be devoted to formal papers (including the sessions with invited papers).

Mr. Turski said the Call for Papers had been distributed world-wide. By mid-September, 456 requests for instructions had been received from 35 countries. PC was expecting to receive from 900 to 1,300 submitted papers, out of which 140 would be selected. To process the papers, PC had sought an international body of reviewers and now had confirmation from over 1,200 reviewers, world-wide. Mr. Lehmann brought up the question of geographical balance to which Mr. Turski replied that PC had made every possible effort to get invited speakers and submitted papers from all of the IFIP National Society countries. However, almost no response had been forthcoming from the National Societies nor General Assembly representatives themselves.

Action:
GA members

Mr. Turski emphasized that there was still time remaining for paper submission, and urged the General Assembly members to stimulate contributions from their respective countries.

Mr. Dixon noted that IAG had made a special mailing to all of its Partners and that the IAG Communications had published special sections devoted to the Congress 77 Programme and Call for Papers.

Mr. Turski announced that the Programme Committee is implementing a large number of mini-symposia / panel sessions, based on oral presentations rather than on formal papers; 30 had been chartered as shown in the PC report.

Action:
GA members

Mr. Turski repeated his earlier request for Session Chairmen suggestions, and urged the General Assembly members to supply names, indicating areas of specialization. Without additional suggestions, PC would be obliged to call upon the services of already-known people. The names should be received by 10 February 1977. The obligations of a Session Chairman include: personal presence in Toronto; ability to conduct a Session in the Congress language – English, ability to control a Session with respect to its timing and the question-answer periods; and the ability to cope with up to 2,000 participants. There would be no obligation to write a report.

Action:
C77 PC

Mr. Turski drew attention to a controversial point discussed in Council, the suggestion to organize 5 discussion panels with seemingly provocative titles. Following a lengthy discussion, a motion was made that the General Assembly authorize the PC Chairman to organize any or all of the 5 panels, on condition that the titles be reworded to be objective, and that the Programme Committee, as a whole, specifically review each Panel Chairman and Member at its meeting in February 1977.

General Assembly ADOPTED the motion (16/2/5).

Mr. Turski confirmed that the PC meeting would take place at the IFIP Foundation, Amsterdam during the week of 14 February, and he hoped to be able to present the complete Programme of Congress 77 to the Spring Council.

The President expressed his appreciation for the work and enthusiasm of the Programme Committee and asked the General Assembly members to give their full support to Mr. Turski and his Committee.

11. MEDINFO

11.1 MEDINFO 77: Steering Committee

Mr. Roukens expressed his regrets for the absence of both the Organizing and Programme Committee Chairmen. He introduced Mrs. Barrett, Chairman of the Local Arrangements Committee, who was representing Mr. Brandejs, OC Chairman. He drew attention to the MEDINFO 77 Interim Report prepared by Mr. Brandejs for the TC 4 and General Assembly meetings in Tashkent.

11.2 MEDINFO 77: Organizing Committee

Mrs. Barrett advised that except for the local arrangements work in Toronto, all other facets of MEDINFO were directed from Ottawa.

Mrs. Barrett said the Harbour Castle Hotel would accommodate approximately 600 MEDINFO 77 registrants; other hotels were available, including probably, lower-cost accommodations at the University of Toronto. The Harbour Castle Hotel is building a convention site to provide meeting space for approximately 500 participants. The construction should be completed in time for MEDINFO 77; however, a contingency plan is being arranged in case of delay.

Mrs. Barrett mentioned that the registration figure to-date was at 326 and referred to Exhibit 6 in the MEDINFO 77 Interim Report. The budget is based on an attendance of 1,000 although an objective of 1,500 is envisaged. It is hoped to make a surplus on the Conference of between \$25,000 to \$50,000.

Mrs. Barrett pointed out that MEDINFO OC is represented at all Congress 77 OC meetings and that the opening and closing ceremonies of Congress 77 and MEDINFO 77, and most social events, would be combined, although MEDINFO 77 would have a separate banquet.

The Proceedings will be published by North-Holland under the editorship of Mr. Shires.

11.3 MEDINFO 77: Programme Committee

Mr. Roukens referred to the Programme Committee report, noting the objective of providing for the interests of several different groups – e.g. those responsible for hospital and public health management; clinical doctors; those active in the social health field, and those who work in bio-medical research. In addition to the usual sessions, there will be informal sessions to allow participants to present recent information about their projects.

Action:

GA members

Mr. Roukens emphasized that the Programme Committee had done its best to balance the geographical distribution of invited papers and Chairmen. But, he also requested the assistance of General Assembly members to help increase the number of papers and participants from those areas of the world thus far less represented.

Mr. Roukens referred to the MEDINFO 77 budget which had been distributed to the General Assembly, indicating projected expenses of \$126,500 against projected income of \$150,800.

Following discussion of the Proceedings and related costs, General Assembly APPROVED, with 2 abstentions, the MEDINFO 77 budget.

11.4 MEDINFO 80

Mr. Roukens announced that 8 professional organizations in Japan, interested in medical information science, had formed a joint committee to investigate the feasibility of hosting MEDINFO 80. This committee has extended a formal invitation to TC 4 to host MEDINFO 80 in Tokyo, one week prior to Congress 80.

Mr. Roukens referred to the document containing the proposal by the Japanese Committee for the Arrangement of MEDINFO 80 and introduced the Committee's Chairman, Mr. Oshima, who had come to Tashkent as an Observer.

Mr. Roukens advised that MEDINFO 80 would have similar programme objectives as those of MEDINFO 74 and 77.

TC 4 estimates an attendance of between 1,000 and 1,500 although the Japanese conservatively anticipate 600 participants.

In reply to Mr. Bobillier's query regarding provision for a possible deficit, Mr. Roukens said it is proposed to have a National Conference in Japan in 1980, combined with MEDINFO 80, to increase participation and financial resources. But, at this point, there were no provisions for written guarantee against losses.

The President asked if TC 4 had considered splitting MEDINFO 80 in the same way as Congress 80. Mr. Roukens replied that this fact had been discussed, but considered unfeasible.

Mr. Goldsworthy said the Australians had realized that the Japanese were interested in hosting MEDINFO 80. The Australians were organizing other events in 1980, in data communications and other areas, so there would be no objection by Australia if MEDINFO 80 were to be held only in Japan.

Mr. Bobillier asked about the deadline date for decision. Mr. Goto pointed out that the Conference hall and facilities had to be reserved far in advance. Therefore, the Japanese would appreciate an early decision to allow them to go ahead with the planning.

Following further discussion, it was moved that the General Assembly agree, in principle, to the MEDINFO 80 arrangement in Japan, subject to the normal review processes.

General Assembly unanimously ADOPTED the motion.

12. POLICIES

12.1 Congress Guidelines Committee

Mr. Bennett presented Mr. Koory's report (GA Tashkent 76/CGC-1) and said CGC had just met in Amsterdam to review the first drafts of chapters for the Guidelines Manual. Nine chapters out of sixteen were reviewed and three new chapters were identified. Mr. Bennett indicated that CGC intended to complete first and second drafts of all chapters by early February 1977, and to meet in Paris just prior to the Spring 1977 Council Meeting. The early drafts would be distributed to General Assembly members and to past, present and future Congress OC and PC members for their comments prior to submittal of a final draft to the General Assembly.

Mr. Bennett advised that CGC had incurred expenses during the current year, and was also submitting a budget request for 1977.

General Assembly NOTED the report.

12.2 European Conference Policy Committee

Mr. Sem-Sandberg recalled that the President had appointed ECPC, following the Dresden Council decision to work on plans for the proposed IFIP European Conference 1979. He said he would report on activity undertaken by the Committee – comprised of Messrs. Bobillier, Dorodnicyn, Renard and himself, and referred to document (CGA Tashkent 76/ECPC 79-1).

Mr. Sem-Sandberg said a letter had been sent to all European General Assembly representatives in early June 1976, requesting comments, suggestions and invitations. Replies were received from the C.S.S.R., Hungary, Netherlands, United Kingdom and the U.S.S.R., A firm invitation was received from The British Computer Society, with a proposal to hold the Conference in connection with Data Fair. He said ECPC had written to The British Computer Society and asked them for a provisional budget for this General Assembly.

Mr. Sem-Sandberg mentioned that the Committee, with the exception of Mr. Dorodnicyn, had met in Stockholm in August 1976. September 1979 was considered a suitable time, with the Conference lasting from 3 – 5 days. The number of participants was estimated between 1,500 and 2,000, but the budget would be designed to break even with an attendance of 750. With regard to any surplus, the Committee felt the pattern of the Congresses should be followed – IFIP would receive all of the first part of the surplus, up to a defined amount, and the remainder would be divided between IFIP and the local society, e.g. 70% / 30%. There should be a local guarantee to cover losses. Royalties from the Conference Proceedings would go to IFIP, with publication handled by North-Holland.

The Committee felt that the programme should be balanced, with regard to user orientation and computer science, and should include a stream for the IFIP TC's and SIG's, with presentations reflecting the same balance. This would necessitate a Chairman to coordinate the TC / SIG activities and the Committee had proposed a possible candidate. For the Programme Committee itself, Mr. Sem-Sandberg referred to some suggested names in the ECPC document, adding that the Host country should also be represented on the Programme Committee. The Committee felt that, although presentations in any of the main European languages would be acceptable, English should be used whenever possible. The Proceedings text would be in English.

After lengthy discussion, the President summarized the interim points requiring General Assembly consideration: the basic nature of the Conference and the timing, whether in 1978 or 1979. It seemed the consensus to have a balanced programme, conducted with the participation of IFIP TC's and perhaps run in conjunction with other IFIP activities such as an IAG Conference.

Mr. Narasimhan said the initial idea was to have a regional conference and should it become international, then it would seem to conflict with Congress 80. If the regional aspect were emphasized, it would avoid confusion for people who will be submitting papers for Congress 80.

Mr. Goldsworthy said he was concerned that the European Conference might have a negative impact on Congress 80 and suggested it be held no later than the end of 1978. Mr. Douglas felt that, if handled properly, the IFIP European Conference could stimulate European interest which would be beneficial to Congress 80. Mr. Renard said his Society especially desired an IFIP European event, since many of the French computer community would be unable to participate in Congress 80, due to the distance.

Further discussion ensued and a motion was put forward with the following guidelines: to charge the Committee to plan on having an IFIP European Conference (IEC) in the late Fall of 1978 or, if this is not possible, in early Spring 1979. If possible, the Conference would be held in co-operation with ECI, Norddata and CSPST, but, if a formal, co-operative venture became unwieldy, the Committee should go ahead with the necessary work to plan the European Conference.

General Assembly ADOPTED the motion, with one opposition and two abstentions.

Mr. Sem-Sandberg moved that final decisions with regard to the European event be delegated to the Spring 1977 Council, but that the President be given authority to make necessary interim decisions required until that time.

General Assembly ADOPTED the motion, with three abstentions.

12.3 Finance Committee

Mr. Sem-Sandberg referred to the FC report in the IFIP Annual Report from its meeting in January 1976, and presented document (CGA Tashkent 76/FC-1) resulting from the FC meeting held in Stockholm on 31 August 1976.

Mr. Sem-Sandberg drew attention to the proposed new Dues structure (document Appendix 1) which would become effective 1 January 1978, including the 30% increase decided at the Rio General Assembly.

Following considerable discussion, it was moved that General Assembly approve the new Dues structure, to take effect 1 January 1978, as contained in Appendix 1 of document (CGA Tashkent 76/FC-1)

General Assembly APPROVED* the Dues structure, with seven abstentions.

* This action was taken later in the discussion, but is included here for clarity.

Mr. Sem-Sandberg noted that various schemes had been considered for the automatic adjustment of Dues, and that the official Swiss Cost of Living Index, which, since 1971, has averaged 7 ½ % per year, had been selected. The Finance Committee had made projections based on this estimated yearly increase. Mr. Tuori pointed out that the inflation rate in Switzerland was among the lowest in the World. The President recalled that it had been decided to establish an automatic adjustment formula to avoid unnecessary discussions at future meetings and to forewarn the National Societies.

Action:
FC

Mr. Dorodnicyn referred to his observation made in Council, that he would prefer to see the Dues figures rounded off. Mr. Sem-Sandberg said that this would be followed.

Following discussion on the percentage increase and time-cycle, Mr. Douglas put forward a motion that FC work on a three-year cycle after 1978, on the basis of the proposed formula, and that the final decision be presented to General Assembly with as much notice as possible.

General Assembly ADOPTED the motion, with six abstentions.

Action:
FC

The President requested the Finance Committee to present a very brief and specific example at the next General Assembly Meeting.

Mr. Sem-Sandberg said FC was also asked to look into the question of loans and grants and referred to Appendix 2 of the report. He pointed out that estimated loans for the current year were SFr. 133,000, including loans to Congress and MEDINFO 77. The Finance Committee has estimated a conservative return of the congress 77 loan in 1978 to arrive at a positive net worth that year of approximately SFr. 170.000.

Mr. Sem-Sandberg stated that FC is looking for other sources of income. The hiring of a Secretary General, to raise funds, had been proposed, but not favoured by the Dresden Council. Another possibility would be to try and generate income from the activities of IFIP's Technical Committees, with the IFIP Foundation possibly used as the operating base.

Mr. Sem-Sandberg stated he had had discussions with Mr. Fredriksson of the North-Holland Publishing Co. and an extended co-operation is envisaged which would involve North-Holland handling all IAG publications and result in increased royalties. Mr. Dixon commented that he favoured this recommendation. Mr. Bobillier observed that if each Working Group could produce one additional publication, this would improve royalties.

Action:
Cog. Officers

The President requested the Cognizant Officers to encourage the TC Chairmen on this point. Mr. Bennett said it was also easier to consider WG budget requests which lead to publications, and that this should also be pointed out to the TC and WG Chairmen.

Mr. Sem-Sandberg said the Finance Committee holds meetings at least twice a year and was requesting a 1977 budget to include some potential need for travel expenditure.

General Assembly unanimously NOTED the report (CGA Tashkent 76/FC-1).

12.4 Publication Information Committee

Mr. Navez presented his report (CGA Tashkent 76/PIC-1). The Committee membership is still incomplete, but he would attempt to enlarge the present Committee, composed of Messrs. Bruhn, Morris and himself. Mr. Navez felt this could be carried out by letter, keeping the President informed.

Mr. Navez pointed out that a PIC policy has to be established to guide the Committee's course of action, and appropriate information material has to be gathered for dissemination through the National Society representatives, IFIP correspondents, Computer publications and, possibly via ICIL, to organizations such as UNESCO.

As to material to disseminate, Mr. Navez said he would refer to the sources mentioned in the Publications Committee Policy report and would also like to receive details of TC major achievements, which the Public Information Committee could simplify for distribution to a less-specialized audience. Mr. Tuori suggested that reports be obtained from the Working Conferences describing the activity and most important results.

Mr. Bobillier stated that, previously, IFIP issued Press Releases after major events and he recommended that PIC establish channels whereby the TC and WG Chairmen automatically produce text for Press Releases. He added that PIC could also assist the Secretariat by preparing some information for the Bulletin.

The President said he felt that many activities should be publicized prior to their taking place. He pointed out that all this work would require a fair amount of time and funding.

Mr. Chevion stated that these undertakings would necessitate the services of professional staff in addition to the three or four-man Committee and expenses must be borne.

Mr. Bobillier said a plan of action was required indicating what IFIP should do, the advantages and disadvantages together with projected costs. At that stage, a decision could be taken on the course to follow.

Action:
PIC

PIC was asked to meet and evolve a recommendation for action.

Mr. Navez said the Committee would need some administrative support and felt the services of the IFIP Foundation could be a practical solution.

General Assembly NOTED the report (CGA Tashkent 76/PIC-1).

12.5 Regional Conference Policy Committee

Mr. Bennett referred to his report (GA Tashkent 76/RCPC-1) and indicated the preparation of Guidelines for Regional Conferences is to be based on the Congress Guidelines currently in process. He pointed out that 8 draft chapters of the CGC document had been distributed to RCPC members. Mr. Bennett added that the SEARCC experience would be instrumental in formulating some of the Guidelines.

General Assembly NOTED the report (CGA Tashkent 76/RCPC-1).

12.6 Review Committee TC 4

Mr. Iliev said he was Chairman of the Review Committee, comprised of Messrs. Zemanek, Roukens and an outside expert, Mr. Grabner (who subsequently was elected as the Austrian representative to TC 4). He advised that the first 3 members had met in Rio last year and prepared a draft of the RC report which was submitted to Mr. Grabner for his comments. A final version of the report was distributed to and discussed with the Activity Planning Committee and the Executive Body.

Mr. Iliev pointed out that TC 4 had been an active and dynamic Technical Committee and had established relations with national and international organizations concerned with medical informatics. The Review Committee recommended that TC 4, which is now well recognized by both professional and governmental organizations in its field, undertake regional meetings, strengthen its relations globally and thus be considered as the international coordinating body for the national medical informatics associations. Additionally, TC 4 should intensify its activities in the areas of biomedical and biomathematical research, health administration and environmental health.

He added that TC 4 would be making a proposal to restructure itself within a period of 2 years. The Review Committee recommended that TC 4's reorganization proposal – perhaps to become a Special Interest Group – be given due consideration by the General Assembly.

12.7 Review Committee TC 6

Mr. Bennett referred to his report (GA Tashkent 76/RCTC 6-1) and said the Committee, composed of himself as Chairman, Messrs. Pouzin and Navez and an outside expert, Mr. Hughes, was joined by Mr. van der Veer – South African TC 6 representative – as an Observer, and had met in Amsterdam just prior to General Assembly. He stated that a written report would be distributed to the Activity Planning Committee and the Executive Body.

Action:
RCTC 6

Mr. Bennett said that TC 6 has been a very active Committee, conducting seminars in a number of countries.

Mr. Bennett pointed out that under the Chairmanship of Mr. Pouzin, who had recently assumed this office, TC 6 planned to conduct a series of “State of the Art” seminars which would take into consideration the long-range economical and technical impact and effect of voice packets, facsimile transmission, distributed processing, satellites and components such as micro-processors. It is hoped these seminars would give rise to formal publications.

Action:
GA members

Mr. Bennett mentioned that TC 6 would like to increase its membership and probably create new Working Groups. Therefore, he requested General Assembly members to look into the possibility of their Societies nominating representatives, if unrepresented, or to find a replacement, if the current representative is inactive.

Mr. Bennett concluded by drawing attention to two other planned areas of re-orientation – namely collaboration between Users and PTT’s in the various Member countries and closer co-operation with IAG in fostering the creation of User Groups.

General Assembly NOTED the report (GA Tashkent 76/RCTC 6-1).

13. FUTURE MEETINGS

13.1 General Assembly (ACS Invitation)

Action:
Mr. Bennett / Mr. Goto

Following discussion on the most appropriate place and time to hold the 1980 General Assembly Meeting in view of the split nature of Congress 80, it was suggested that Australia and Japan work on a specific proposal for decision at a later meeting.

13.2 Other

The President said Spring Council 1977 would take place in London in March, the 1977 Council / General Assembly in Toronto, just prior to Congress 77, and the Spring Council 1978 in either Bombay or New Delhi.

An invitation had been received to hold the 1978 Council / General Assembly in Oslo. The President announced that he had also received a telegram from Mr. van der Veer inviting IFIP to hold the 1979 Council / General Assembly in South Africa. The President also indicated that the U.S.A. would like to host a meeting in Southern California and that a tentative invitation had been put forward by the C.S.S.R.

It was proposed that all the possibilities be noted and the decision deferred to Spring Council 1977 or the following General Assembly, since the place and date of the IFIP European Conference then would be known.

General Assembly ACCEPTED this proposition with one abstention.

The President expressed his appreciation for the invitations received and said he would write to the people concerned.

14. IFIP COMMITTEE FOR INTERNATIONAL LIAISON (ICIL)

Mr. Douglas referred to the ICIL report in the IFIP Annual Report and announced that the Committee had met in Tashkent just prior to the General Assembly.

Mr. Douglas drew attention to the points listed under UNESCO Relations and said a FIACC / UNESCO Working Group meeting had taken place in March 1976 to discuss how FIACC and its individual societies could co-operate with UNESCO – especially regarding problems in developing countries. Messrs. Bennett and Kohli participated at the meeting and gave considerable assistance in preparing a report, which was to be soon circulated to General Assembly members.

Based on ICIL negotiations with UNESCO, support was received for SEARCC. It is hoped that further support from UNESCO will be forthcoming for similar events.

Mr. Douglas reviewed the recommendation to the General Assembly to support ICIL's nomination of Professor Harry D. Huskey for the UNESCO Science Prize. The procedure to be followed would be to assemble and submit the required details to UNESCO. A copy would be sent to every General Assembly member with a request that he contact his National representative at UNESCO to gain support for Professor Huskey.

General Assembly unanimously APPROVED the nomination of Professor Harry D. Huskey for the UNESCO Science Prize and the procedure relating to the candidacy.

Mr. Douglas stated that ICIL had co-operated closely with ICSU on a number of matters. IFIP's relationship with IBI has been established by appointing Mr. Renard and the Deputy Director of IBI, Mr. Costa, as liaison for IFIP and IBI. Mr. Douglas requested that IFIP Committees which wished to work with IBI should first inform Mr. Renard, with copy to himself. He pointed out that TC 6 had established a good relationship with ITU.

General Assembly NOTED the report and budget request.

The President remarked that the ICIL Committee report was a long-needed, complete and comprehensive summary. Because of the importance of the liaison activity with outside organizations, he was extremely pleased and urged the Committee to continue to report on its activities along the lines of this pattern.

15. ACTIVITY PLANNING COMMITTEE

Mr. Renard referred to his report (CGA Tashkent 76/APC -1).

15.1 Establishment of Technical Committee 10

Mr. Renard pointed out that the proposal to establish this new TC is the recommendation of the Task Group on "Computer System Architecture", chaired by Mr. Piloty, which worked for approximately 18 months. Following an earlier, interim report, the final report was distributed to General Assembly members on 1 September 1976.

Mr. Piloty recalled that the Task Group had been charged to determine if IFIP activity would be warranted in the Computer System Architecture area, interpreted to include all levels of digital hardware design and those aspects of system software design related to the hardware architecture. The Task Group's conclusion was to recommend the formation of a new TC for the reasons outlined in the final report. It was proposed to name the new TC "Digital Systems Design" (refer Appendix 1, of the Minutes).

Mr. Piloty advised that the Task Group had also concluded that three Working Groups could be recommended at this preliminary stage: WG 10.1 "Systems Concepts and Characteristics", WG 10.2 "Hardware Description Languages" and WG 10.3 "Software / Hardware Interrelation".

Mr. Renard pointed out that defining some potential Working Groups gave assurance and definition to the future work of the TC, but the first formal step would be to establish the TC itself.

Mr. Renard mentioned the intention of naming Mr. Piloty as the Chairman of TC 10.

General Assembly unanimously APPROVED the establishment of TC 10 –“Digital Systems Design” with Aims and Scope per Appendix 1 of the Minutes.

15.2 Establishment of a Task Group on
“Computer Applications in the Humanities and the Social Sciences

Mr. Renard said that APC proposed appointing a Task Group on “Computer Applications in the Humanities and the Social Sciences”, as described in Appendix B of the APC report, to determine whether the area warranted establishing either a new Technical Committee or a new Working Group within the framework of an existing TC. In the latter case, this could lead to a modification of the Aims and Scope of an existing TC. Mr. Renard advised that Mr. Borillo of France would be the Chairman of this Task Group.

There was considerable discussion, including questions on possible overlap with the work of TC 7, TC 8 and TC 9. The President pointed out that concept of Task Groups was invented two years ago to help in solving problems of this kind and that a possible result might well be for IFIP to make no changes. It was understood that the Activity Planning Committee would proceed to establish this Task Group.

15.3 Establishment of a Task Group on
“Terminology Difficulties in Computer Application Fields”

Mr. Renard drew attention to the previous work in the terminology field by IFIP and various organizations. Nevertheless, there still appears to be a need for clarification and standardization of terminology.

A Task Group will be set up by Mr. Roukens, in collaboration with some members of the past TC 1, and a report would be presented to the next General Assembly.

15.4 UP-dating the Reviewing Mechanism

Mr. Renard announced that since the scheduled reviews had been completed, APC would like to replace the current, systematic schedule by another process, namely, to initiate a review in specific cases at the request of the Executive Body, Council or the General Assembly. It also would be an objective to involve the Executive Body and IFIP Officers more actively in the work of the Review Committees, perhaps to help increase the critical content.

General Assembly NOTED, with one abstention, the report (CGA Tashkent 76/APC -1) and budget request.

15.5 IFIP 6-Year Plan

Mr. Renard presented the IFIP 6-Year Plan (CGA Tashkent 76/APC -2), subject to amendment due to last-minute changes in various TC activities. Mr. Renard said APC urged the TC Chairmen to prepare the required information for the 6-Year plan according to the previously agreed schedule.

Action:

Cog. Officers

The President reiterated his views on keeping the 6-Year Plan as current as possible, and requested the Cognizant Officers to remind present and new TC Chairmen of the necessity for providing information to the Activity Planning Committee.

16. TECHNICAL COMMITTEES, IAG, IAPR

16.1 TC 2 (Programming)

Mr. Bennett presented his report (GA Tashkent 76/TC 2-1) summarizing action items from the TC 2 meeting held in Grenoble on September 3 – 4, 1976.

Mr. Bennett said that TC 2 had endorsed a resolution by WG 2.1, intended for transmission to ISO, and had requested General Assembly endorsement prior to transmission to ISO. The resolution was:

"In view of the length of time which has elapsed since the start of the attempts by ISO to standardize ALGOL 60, and in view of the confusion caused by R1538 with its many and serious errors, and of the difficulties apparently inherent in rectifying them, and in view of the fact that the Working Group has recently released the specification of a modified form of the language, IFIP WG 2.1 recommends to ISO that all attempts to standardize ALGOL 60 in its original form should be abandoned, and that R1538 should simply be withdrawn.

Should ISO now be prepared to standardize the modified language, IFIP WG 2.1 would be willing to co-operate, provided that the standardization were done by a reference to the modified Report to be published in the November 1976 issue of the Computer Journal."

Mr. Bennett felt that the resolution should be modified to include: "IFIP General Assembly members are asked to convey this information to the Standards Institutions representatives in their countries."

General Assembly APPROVED, with one abstention, the modified resolution.

Mr. Bennett said TC 2 requested approval of a Working Conference on "Constructing Quality Software" to be held in Novosibirsk, U.S.S.R. from May 23 to 28, 1977.

The Conference would be organized in co-operation with WG 2.1 and WG 2.4 and hosted by the Siberian Division of the Academy of Sciences of the U.S.S.R. Its purpose would be to survey the state of the art on certain criteria which enter into determining the quality of a software product (validity, integrity, efficiency and clarity) and to assess the potential impact of recent research. The Programme Co-Chairman is Mr. S.A.Schuman. Completed papers will be due on January 31, 1977.

Mr. Bennett pointed out that it is necessary to be reassured all could attend, and he requested that General Assembly approve in principle the Working Conference, but to draw the attention of TC 2 to the importance of holding the Conference in a venue which is accessible to all members of all IFIP Member Societies.

General Assembly APPROVED, with three abstentions, the WC on "Constructing Quality Software".

Mr. Bennett referred to the ALGOL Bulletin which now has a circulation of 500. The editor, Mr. C. Lindsey, requested that, for convenience, the signatories for the joint account be himself and Mr. Douglas. This was approved. The ALGOL Bulletin accounts were separated from the IFIP accounts long ago for practical reasons; Mr. Tuori suggested that the accounts should, however, be audited and noted in the IFIP reports.

Action:

Mr. Douglas

Mr. Douglas said he would discuss this matter with the ALGOL Bulletin Treasurer and Editor next March.

The TC 2 report also asked about an apparent conflict in the Standing Orders regarding the transmittal of documents to outside groups. If the rules of Article 5.4 "Distribution of Documents" were to be interpreted in a restrictive sense, TC's and WG's would be hampered in their work with Non-IFIP bodies, since transmission of working documents to such bodies would require the President's explicit permission in each case. The President felt that the rules were intended to apply only to unauthorized publication of internal or interim working papers and not to the flow of normal correspondence and the transmittal of documents. Therefore, he saw no specific reason to change the Standing Orders, and the General Assembly CONCURRED.

Mr. Bennett said WG 2.3 wished to publish a collection of papers, with David Gries as Editor. Mr. Gries is an Editor of the Springer Verlag lecture series; during the discussion, it was noted that Mr. Gries was also an Editor for North-Holland.

General Assembly VOTED, with one abstention, that the question be first presented to the Publications Committee.

Action:

Treasurer

Mr. Goto asked about the financial standing of North-Holland, since IFIP's intent is to use one publisher. The President requested Mr. Tuori to write to Mr. Fredriksson of North-Holland in this respect.

Action:
GA members
Nat. Soc.

Mr. Bennett asked General Assembly members to bring to the notice of their National Societies the low attendance at TC 2 meetings and, if not represented, to nominate active members. It was also suggested that National Societies consider hosting TC 2 meetings in conjunction with their own conferences, in the same way that TC 6 meetings have been hosted.

Mr. Bennett drew attention to a TC 2 proposal from last year to produce a Journal for all its WG:s. The matter is still under discussion, but Mr. Steel has volunteered as Managing Editor and the AFIPS office would undertake the distribution and reproduction. A budget had been allocated for 1976, but no utilized, and a similar amount was being requested for 1977. Mr. Sem-Sandberg said the Finance Committee had noted other requests from TC's for Journals and possibly some coordination, perhaps with North-Holland, would be helpful.

A loan of SFr. 2,000 for the TC 2 Journal will be included in the IFIP Budget. There was general agreement of the publication, with the understanding that further details would be made available.

Mr. Bennett drew attention to the proposed budget request for TC 2 Operating Expenses which he would discuss with Mr. Tuori.

Mr. Bennett requested authorization and a grant for a Working Conference on "Modelling in DBMS" to be held in Nice, France, January 3-7, 1977. The President mentioned that this was the third Conference on the subject, the previous two were held in Corsica and the Federal Republic of Germany.

General Assembly APPROVED, with two abstentions, the WC on "Modelling in DBMS".

Mr. Bennett also requested authorization and a grant for a Working Conference on "Formal Description of Programming Concepts" to be held in Eastern Canada (site to be chosen), August 1-4, 1977. This would be the second Conference of this type. Since the first led to a publication the second should, also

General Assembly APPROVED, with two abstentions, the WC on "Formal Description of Programming Concepts".

It was observed that the General Assembly had been asked to approve three Working Conferences scheduled for the near future, with very little information available and that existing procedures, which provide for Spring Council discussion, should be followed.

Action:
TC 2 Ch.

It was also noted that a direct report from the TC Chairman would be desirable.

16.2 TC 3 (Education)

Mr. Wolbers referred to his report in the IFIP Annual Report and the supplementary document (GA Tashkent 76/TC 3-1).

Action:
Nat. Soc.

Mr. Wolbers pointed out that attendance at the yearly meetings was low and regretted the lack of contact between the National Technical Committee and General Assembly members. Many TC members were not fully aware of IFIP procedures, and dialogue with their General Assembly National members could overcome some of the difficulties. He also requested National Societies not represented to nominate members.

Mr. Wolbers requested approval for the following Working Conferences:

- "The Educational Requirements Introduced by Large Information Systems" – The Hague, Netherlands, April 19 -23, 1977-.

This WC, initiated by WG 3.2 together with TC 8 and IAG, was initially approved at the Rio General Assembly and accorded a grant of SFr. 5,000. A further SFr. 2,000 was being requested.

- “Informatics and Mathematics in Secondary Schools – Impacts and Relationships” – Varna, Bulgaria, September 19 -23, 1977.

This WC, initiated by WG 3.1 and organized in co-operation with ICMI (International Commission on Mathematical Instruction), was initially approved at the Rio General Assembly and accorded a grant of SFr. 2,000. A further SFr. 5,000 was being requested.

- “Post-Secondary and Vocational Education and the Needs of Commerce, Government and Industry” – Baden, Vienna, Austria, October 24 -29, 1977.

This WC would be organized by WG 3.4, a grant of SFr. 6,000 was requested.

General Assembly unanimously APPROVED these Working Conferences.

Mr. Wolbers mentioned that the Varna Conference might receive financial support from UNESCO on condition that the use of pocket calculators be taken into account in the programme.

Mr. Wolbers mentioned that WG 3.3 was planning to hold a Working conference with the title “CAI: Mini versus Maxi” in South Africa at the end of 1977. However, he could not present a formal proposal at this time.

General Assembly NOTED the 1977 budget requests for TC 3.

Mr. Wolbers pointed out that TC 3 had proposed new Aims for the Committee, new titles for Working Groups 3.1 and 3.2, and new Aims for Working Groups 3.1, 3.2 and 3.3 in the 1975 Annual Report and again in the current Annual Report. He stated that these changes had been fully discussed at two TC 3 meetings, at the 1974 Review Committee meeting, and within APC. Mr. Wolbers proposed that these modifications be accepted by the General Assembly, notably:

- TC 3 new Aims (refer Appendix 2 of the Minutes)
- WG 3.1 new title “Informatics Education at the Secondary Education Level” and new Aims (refer Appendix 3 of the Minutes).
- WG 3.2 new title “Advanced Curriculum Projects in Information Processing” and new Aims (refer Appendix 4 of the Minutes).
- WG 3.3 new aims (refer Appendix 5 of the Minutes)

General Assembly unanimously APPROVED these changes.

16.3 TC 4 (Information Processing in Medicine)

Mr. Roukens presented his report (GA Tashkent 76/TC 4-1) and said that in addition to TC and WG meetings, three Working Conferences had taken place during the year and a fourth was scheduled for the beginning of November.

Mr. Roukens said TC 4’s first proposal to the General Assembly was to change its name to “Technical Committee for Information Processing in Health Care and Biomedical Research”. The President pointed out that this had been discussed and recommended by the Activity Planning Committee, Executive Body and Council.

General Assembly unanimously APPROVED TC 4 changing its name to “Technical Committee for Information Processing in Health Care and Biomedical Research”.

Mr. Roukens said that TC 4 feels it is appropriate to consider changing its structure within two years and proposed that a committee be established to undertake an in-depth study of the situation. The committee, after consultation with TC 4, could then put forward suggestions to the Toronto General Assembly for discussion, and a proposal ultimately confirmed at the following General Assembly. Restructuring would enhance TC 4 collaboration with medical informatics organizations having no other direct contact with IFIP and permit expansion into the domain of public health and biomedical research.

It was proposed that the President be authorized to appoint this ad-hoc committee.

General Assembly unanimously APPROVED the proposal.

The President appointed a committee consisting of: Mr. Roukens as Chairman, Mr. Dixon as Adviser and Messrs. Iliev, Keilhau, Kitov and Lindberg as Members.

Action:
TC 4 Ch.

Mr. Roukens said TC 4 was planning a Working Conference on "Mathematical and Computational Methods in Biomedical Research" in Washington, D.C. in the Fall of 1978. The organizational structure would be similar to the IFP Congress and MEDINFO, including the procedure for Proceedings. The U.S.A. TC 4 member, Mr. D.A. Lindberg, is the proposed OC Chairman. The budget has yet to be worked out, but the Conference will be planned to break even with a participation of 500. Details would be presented to the Spring 1977 Council, and a loan of SFr. 15,000 would be requested. If approval were given, the loan would be needed in the second half of 1978.

Mr. Bobillier proposed that the Conference be approved, in principle, and that the requested loan be approved subject to final approval by Spring 1977 Council when the detailed financial information would be available.

General Assembly APPROVED, with two abstentions, the WC on "Mathematical and Computational Methods in Biomedical Research", in principle, and the requested loan of SFr. 15,000, subject to the final approval of Council.

Mr. Roukens announced that TC 4 would like to set up a new Working Group on "Data Protection in Health Information Systems" whose Aims and Scope would include non-permanent activities, such as the establishment of a Handbook, the preparation and organization of a Course for managerial persons and prospective users, and the organization of periodic Working Conferences. There were nine provisional members; Mr. G. Griesser would be the Chairman if the Working Group were approved.

Mr. Renard remarked that APC had discussed the proposed Working Group and had approved of its orientation.

Following a brief discussion, General Assembly APPROVED, with one abstention, the creation of Working Group 4.4 "Data Protection in Health Information Systems" with Aims and Scope per Appendix 6 of the Minutes.

Mr. Roukens referred to the Working Conference on "Trends in Computer-Processed Electrocardiograms" taking place in Amsterdam from November 2-7, 1976. The organizers, the European Community and the Dutch Heart Foundation, had approached TC 4 to be a co-sponsor, since WG 4.3 was working on the conference topic. Because of the short notice, he had asked the President for approval, and agreement to a grant of SFr. 2,000. Mr. Roukens pointed out that the Proceedings would be published in accordance with the IFIP rules.

The President noted that approval had been given, and that IFIP notification had been given by correspondence.

Mr. Roukens requested authorization for the following Working Conferences:

- WC on "Medical Linguistics and Artificial Intelligence in Medicine" scheduled for May 2-7, 1977, Uppsala, Sweden. Proceedings published according to IFIP procedure. Grant of SFr. 1,600 was requested.
- WC on "Hospital Information Systems" to be held Spring 1979 in Cape Town, South Africa. Proceedings published according to IFIP procedure. Grant of SFr. 6,000 was requested, to be repaid if sufficient local funds are raised.
- WC on "The Computer in the Doctor's Office" scheduled for Spring 1979 in Vancouver, Canada. Proceedings published according to IFIP procedure. Grant of SFr. 5,000 was requested.
- WC on "Health Care Informatics: What Kind of Education?" to be held September 25 -29, 1978 in Munich, FRG. Proceedings published according to IFIP procedure. Grant of SFr. 5,500 was requested.
- WC on "Evaluation of Effectiveness of Medical Action, methodology and Experiences" to be held in Spring 1979 in Bordeaux, France. Proceedings published according to IFIP procedure. Grant of SFr. 5,000 was requested.
- WC on "Health Economics and Informatics" organized for 1979 in Norway, possibly Trondheim. Grant of SFr. 5,000 was requested.

(Further details of these Working conferences may be found in Mr. Roukens' report - CGA Tashkent 76/TC 4-1).

General Assembly unanimously NOTED these Working conferences and APPROVED them.

Action:
FC

Mr. Bobillier requested the Finance Committee to establish a simple mechanism to record future commitments of this Type.

16.4 TC 5 (Computer Applications in Technology)

Mr. Iliev referred to Mr. Williams's report (CGA Tashkent 76/TC 5-1) in the Annual Report and to the report of action requests (GA Tashkent 76/TC 5-2).

It was pointed out that Mr. Vlietstra, the incoming Chairman of TC 5, would take office following the Toronto General Assembly Meeting, and Mr. Williams had agreed to extend his term until then. This situation had been discussed at the Dresden Council Meeting.

Mr. Iliev presented TC 5's request for approval of WG 5.2's proposed Conference on "Artificial Intelligence and Pattern Recognition in Computer Aided Design" scheduled for March 1978 in Grenoble, France. He mentioned that TC 5 had been informed by correspondence that it would be appropriate to involve IAPR, but no information was yet available as to the degree of IAPR's involvement. Mr. Iliev proposed that this Conference be approved, with the recommendation that IAPR be involved in its preparation. A loan of SFr. 6,500 was also requested.

Action:
IFIP / IAPR
Liaison Officer
TC 5 Cog. V-P

It was moved that the decision be postponed to the Spring council Meeting, pending information from Mr. Chevion, IFIP / IAPR Liaison Officer.

General Assembly APPROVED this motion.

Mr. Iliev presented TC 5's request for approval of a Joint Programme between WG 5.3 and the International Committee on Discrete Manufacturing (CIRP) as outlined in the Annual Report.

General Assembly unanimously APPROVED the establishment of this Joint Programme.

Mr. Iliev drew attention to TC 5's requests for approval of:

- "PROLAMAT '79" planned for early September 1979 in the Detroit area with the co-sponsorship of the Society of Manufacturing Engineers (SME) and probably IFAC co-sponsorship as in the past.
- IFIP co-sponsorship of the Second International Symposium on "Software for Computer Control" to be held in Prague, C.S.S.R., June 11-15, 1979. Lead sponsor – IFAC.
- Third Joint Conference on "Computer Applications in the Automation of Shipyard Operations and Ship Design" to be held in Glasgow, Scotland in Summer 1979 with probably IFAC co-sponsorship as in the past.

General Assembly unanimously APPROVED these three requests.

Mr. Iliev referred to the 1977 IFAC / IFIP Workshop on "Real Time Programming" which had been approved in Rio and mentioned it was now scheduled to take place in Eindhoven, Netherlands, June 20-22, 1977.

The combined TC 5 / TC 9 Working Conference on "Socio-Technical Aspects of Computerization" scheduled to take place in Varna, Bulgaria, May 15 – 20, 1977 was discussed (refer reports CGA Tashkent 76/TC 5-3 + 5-4). Mr. Iliev reported that information on the arrangements was not very satisfactory and indications were that few papers had been received. It was noted that this Conference had already been postponed twice.

There was general discussion on the question of whether the Conference should be cancelled or postponed or held as scheduled. It was recognized that up-to-date information on the status of the conference was needed.

Action:
TC 5 and TC 9
Cog. V-P's

It was moved that TC 5 / TC 9 be informed of the General Assembly's opinion that the Varna Conference be cancelled unless specific and positive developments occurred by the end of December 1976.

General Assembly APPROVED this motion (18/1/5).

16.5 TC 6 (Data Communication)

Mr. Pouzin presented his report (GA Tashkent 76/TC 6-1) and indicated that TC 6 had been meeting about twice a year. Data Communication Seminars, held in co-operation with the National Societies in South Africa, Brazil and Australia, had been successful in Johannesburg (November 1974), Sao Paulo (October 1975) and Sydney (August 1976). A major benefit of this activity was in making IFIP's image and potential better known. Further Seminars were being considered for Budapest in October 1977 and South East Asia during 1978 to 1980.

Action:
TC 6 Ch.

Since the proposed Seminars in Budapest and South East Asia had not yet been approved, it was suggested that TC 6 present formal proposals for these events to the Spring 1977 Council.

Action:
GA members

Mr. Pouzin mentioned that there were approximately six inactive or "ghost" members among the 22-membership of TC 6; he requested the support of the General Assembly representatives in nominating active members to this Committee.

Mr. Pouzin said WG 6.1, under the Chairmanship of Mr. D.L.A. Barber, held a meeting in Toronto in August 1976, attended by approximately 45 participants, possibly the largest collection of network experts in the world.

Mr. Pouzin reviewed the fact that WG 6.2 had been created for the specific purpose of making a Study for UNESCO. The report on "Information Networks for On-Line Bibliographic Retrieval" had been completed, with the assistance of others in IFIP, and submitted to UNESCO. Mr. Pouzin said the President had received a satisfactory reaction from UNESCO and he hoped that further co-operation with UNESCO would ensue – possibly along the lines of organizing Joint Workshops.

Since WG 6.2's assignment is finished, it was proposed that the Working Group be disbanded.

General Assembly unanimously VOTED in favour of terminating WG 6.2 (International Information Network).

Mr. Pouzin stated that WG 6.3 (Human-Computer Communications), established in 1975, was still in a start-up, recruiting and refining stage. Short and long-term plans are expected by the end of the Year.

TC 6 is working on a Booklet of 40 to 50 pages, describing the history and organization of networks, some existing networks, network technical and standardization problems and future development and applications. The Booklet is intended for those with interests in data processing and telecommunications, but not for specialists in the field.

Mr. Pouzin drew attention to TC 6's co-operation with the International Telegraph and Telephone Consultative Committee (CCITT) and ISO. He also mentioned TC 6's collaboration with ICC and IBI and its intention to work closely with IAG to foster the creation of User Groups.

Mr. Bennett pointed out that the planned Workshop on “Distributed Data Bases” for May 1978 in Europe should be coordinated with IAG and TC 2.

Mr. Pouzin concluded his report by referring to a budget request for TC 6, WG 6.1, WG 6.3 and for the Booklet.

General Assembly NOTED the TC 6 report.

16.6 TC 7 (System Modelling and Optimization)

Mr. Renard referred to his report (CGA Tashkent 76/TC 7-0) and to Mr. Balakrishnan’s report (CGA Tashkent 76/TC 7-1). He pointed out that several Working Conferences had successfully taken place during the last twelve months, as outlined in the Annual Report.

Mr. Renard said TC 7 was seeking approval of a WG 7.1 Working Conference on “Modelling and Simulation of Water Resource Systems” to take place in Ghent, Belgium from August 30 through September 2, 1977. This Conference had been discussed in Rio and a grant of SFr. 3,250 subsequently accorded in Dresden. However, TC 7 now sought formal approval of this WC, deleting the grant request. Royalties of Proceedings would be assigned to IFIP in the usual manner.

Mr. Striker commented, as an Observer, that this was the kind of event he could ask FIACC to cosponsor because of the subject material.

General Assembly unanimously APPROVED the Working Conference on “Modelling and Simulation of Water Resource Systems”.

Mr. Renard stated that TC 7 was requesting approval of a TC 7 Conference on “Optimization” to take place in September 1979 so that a Chairman could be named and an appropriate site selected. He pointed out that it would be the 9th Conference of this kind and a participation of 300 was expected. Royalties of Proceedings would be assigned to IFIP.

General Assembly APPROVED this Conference, with one abstention.

Mr. Renard drew attention to report (CGA Tashkent 76/TC 7-2) on the proposal of WG 7.3 to hold a Third International Symposium on “Computer Performance Modelling, Measurement and Evaluation” in Yorktown Heights, New York, the week of 15 August 1977. He added that correspondence between the Chairman and Mr. Turski, Congress 77 PC Chairman, had established that Mr. Turski had no objections to the Symposium, because its announcement would appear after the deadline for the Call for Papers of Congress 77.

Mr. Renard mentioned that a loan of SFr. 5,000 was being requested from IFIP. IFIP would receive royalties from post-Conference publication sales.

General Assembly APPROVED the Third International Symposium, with one abstention.

Action:
TC 7 Ch.

Mr. Douglas said he would like to draw TC 7’s attention to the fact that UNESCO is holding a Conference next year on Water problems and maybe TC 7 could participate or collaborate.

16.7 TC 8 (Information Systems)

Mr. Boyd drew attention to report (CGA Tashkent 76/TC 8-1) which was, in effect, the Minutes of the TC 8 meeting held in Amsterdam on September 4, 1976.

He said one open question was that TC 8 had decided to modify its Aims and Scope, and that Council had instructed him to check with the TC 8 Chairman on why this was necessary, since they had just been approved in Dresden.

Action:
TC 8

Mr. Boyd said that Dresden Council had charged TC 8 to present revised Aims and Scope for proposed Working Groups 8.1 and 8.2 to the Tashkent General Assembly. APC and Council felt that the Aims and Scope of WG 8.1 (Design and Evaluation of Information Systems) were acceptable (Appendix 7, of the Minutes), but that the Aims and Scope of WG 8.2 (The Interaction of Information Systems and the Organization) needed further work, and should be presented to the Spring Council.

General Assembly APPROVED, with one abstention, the Aims and Scope of WG 8.1 (Appendix 7).

Action:
TC 8 Cog. Off.

Mr. Boyd mentioned that two Working Conferences were being planned for September 1978 in London – WG 8.1 WC on “Formal Models and Practical Tools for Information Systems Design” and WG 8.2 WC on Information Systems and the Organization”. Mr. Boyd said he would request more information for presentation to the next Council or General Assembly. Mr. Sem-Sandberg commented that the Finance Committee was trying to project future loans and grants and would appreciate receiving early indications on possible financial requests prior to the next Council Meeting.

Mr. Boyd stated that WG 8.2 is panning to meet in Amsterdam on June 9-10, 1977 and WG 8.1 in Toronto on August 4-5, 1977. TC 8 is also scheduling a meeting on August 6, 1977 in Toronto and in London a year later.

Mr. Bobillier mentioned that TC 8 has two Swedish members – the current TC 8 Chairman and Sweden’s official representative to this TC. Mr. Boyd pointed out that Council had instructed him to contact the Chairman-Elect of TC 8, Mr. Verrijn Stuart, to urge him to take office as soon as possible.

General Assembly NOTED these comments.

16.8 TC 9 (Relationship between Computers and Society)

Mr. Bennett announced that he had received no formal report from Mr. Gotlieb, but had made a report (GA Tashkent 76/TC 9-1) based on the latest documents available to him.

Mr. Bennett advised that, following the suggestions of Dresden Council, TC 9 is initially concentrating on establishing two Working Groups: WG 9.1 (Computers and Work) and WG 9.2 (Computers and Social Accountability). The proposed WG 9.2 replaces the originally-proposed WG 9.2 and WG 9.3 and will be chaired by Mr. Kling.

Action:
TC 9 Cog. V-P

Mr. Bennett said he would request TC 9 to present the Aims and Scope of these two Working Groups to the Spring 1977 Council together with their proposed programmes.

Mr. Bennett drew attention to TC 9’s budget request to cover General Expenses, WG start-up Costs and the TC 9 Newsletter.

General Assembly NOTED the report (GA Tashkent 76/TC 9-1).

16.9 IAG

Mr. Bobillier, IAG Cognizant Officer, referred to his report (GA Tashkent 76/IAG-2) and advised that the IAG Annual Report was not included in the IFIP Annual Report, but had been subsequently distributed to all General Assembly members.

He said that following the Dresden Council Meeting, the President had appointed a Task Group to investigate the IAG financial situation and the projected loss of Fl. 75,000. The Task Group had met in London in April 1976 and had subsequently given short and long-term recommendations to the President.

Mr. Bobillier reported that, at the IAG Board of Directors Meeting and IAG General Conference in June 1976, Mr. Dixon was elected as IAG Chairman and had been asked to take office immediately. As a result of several actions taken, the forecasted 1976 deficit has decreased to Fl. 48,000 and the 1977 deficit to Fl. 7,000.

Mr. Bobillier stated that, in view of the Task Group's analysis and Mr. Dixon's actions, Council wished to support IAG and give it time to make improvements. Thus, as noted under Agenda item 9, IFIP Foundation, the IFIP bank guarantee of Fl. 55,000 to the IFIP Foundation is being extended to the end of 1977.

Mr. Dixon announced that the new Board, elected in Rome, had pledged for itself an active strategy and close co-operation with the rest of IFIP. IAG would welcome any suggestions regarding implementation of its plans. He noted that, until the financial situation improved, no IAG Officer would be entitled to any expense support.

A programme for the acquisition of new Partners has been started. Mr. Dixon had contacted approximately 50 company executives in North America. 15 replied had been received, of which 10 had expressed interest in joining IAG or had requested further information. He pointed out that if IAG is to survive, new Partners are essential, particularly top managers in government or industrial user groups. His intention was to follow up by getting the IAG Board members to contact senior executives in Europe and elsewhere.

Action:
Nat. Soc.,
TC's, WG's

Mr. Dixon announced Mr. Sibley had been elected as IAG Activities Chairman. Plans are now being updated. This work cannot be carried out in isolation and he requested the active support of National Societies, Technical Committees and Working Groups. He referred to IAG's Plan of Activities through 1979 (GA Tashkent 76/IAG-1) proposing Executive Round Table Meetings, Workshops – which could lead to Publications and thus generate income for IAG – and Conferences which would be focused on specific functions and problem areas.

Mr. Dixon drew attention to three major Conferences planned for 1977:

- May (Bled) "Computers in Banking and Finance"
- October (Copenh'n) "Planning and Management of Distributed Processing"
- December (Amster'm) "Data Management Technology – Latest Methodology in Data Systems"

There was a general discussion on the role and viability of IAG. There was general support for the objective of helping IAG.

Action:
GA members

Mr. Bobillier suggested that the General Assembly members assist Mr. Dixon by providing him with a list of names of those in their countries who were potential subscribers to IAG's "Management Datamatics".

Action:
IAG Ch.

Mr. Renard referred to the new title of IAG – IFIP Applied Information Processing Group, approved at the Rio General Assembly, but noted that the subtitle, "The IFIP Group for Applied Information Processing in Management and Administration" seemed not to be use. Mr. Dixon said that the new IAG stationery would bear the IAG title and subtitle.

Mr. Bobillier drew attention to IAG's budget for 1977 (attached to document GA Tashkent 76 / IAG-1). It was proposed that the budget be approved, with the comment that the IAG Board of Directors continue all possible efforts to improve the net result.

General Assembly APPROVED, with one abstention, the 1977 IAG budget.

Mr. Bobillier requested the General Assembly to authorize the Council to increase, if necessary, the IFIP Foundation guarantee by a maximum amount of Fl. 15,000.

General Assembly unanimously APPROVED the authorization.

The President stated that an IAG Board Meeting would take place just prior to the Spring 1977 Council and that Mr. Dixon would report to Council on the financial situation, permitting the Council to act upon the guarantee if necessary. The President stressed the burden placed on Mr. Dixon and the IAG Board and expressed his appreciation for their efforts.

16.10 IAPR

16.10.1 Clarification of Status

Mr. Keilhau recalled that the President had appointed a Committee comprised of Messrs. Freeman, Lehmann and himself to work on the clarification of status between IAPR and IFIP.

Mr. Keilhau proposed that the General Assembly approve the status as outlined in document CGA Tashkent 76 / IAPR-1).

General Assembly unanimously APPROVED the IAPR/ IFIP status (refer Appendix 8 of the Minutes).

16.10.2 Activity

Mr. Chevion, IFIP/IAPR Liaison Officer, referred to his report (CGA Tashkent 76/IAPR-2) and mentioned that a concise report on IAPR was included in the IFIP Annual Report. He pointed out that the IAPR activities would, henceforth, be included and coordinated within the IFIP 6-Year Plan.

17. PUBLICATIONS

Mr. Zemanek presented the document on IFIP Publications Policy (GA Tashkent 76/PC-1) and pointed out that it was not just a policy, but included objectives and guidelines as well.

Action:
Exec. Body

He drew attention to Point 2.8.3 "Working Papers or Official IFIP Publications" and said IFIP should distinguish between documents such as the Algol Bulletin and papers coming out of the Working Groups; perhaps a meeting could be arranged between the Executive Body and TC and EG Chairmen to discuss this matter.

Action:
PC CH.

Mr. Zemanek mentioned that the Policy also refers to "The IFIP History" (Point 2.6.3) and said he had collected more than 150 slides on 10 years of IFIP History. He requested that slides or documents of interest be sent to the Secretariat. Mr. Zemanek said he would circulate a letter to the General Assembly members explaining what kind of slides were desired.

General Assembly unanimously APPROVED the IFIP Publications Policy (GA Tashkent 76/PC-1).

Action:
Sec't

Mr. Zemanek will arrange for enough copies to be sent to the Secretariat for distribution to TC, WG, Committee and SIG Chairmen.

18. CONGRESS 80

JAPAN: Mr. Ando presented his report (GA Tashkent 76/C80-J) and pointed out that several institutions in Japan had agreed to be co-sponsors. The Technical Sessions will be in Kyoto and the Exhibition in Tokyo, as reported at the Rio Meeting. The facilities have been reserved. Mr. Ando confirmed the time-table as follows: Technical Sessions: October 6 (Monday) to October 9 (Thursday); Exhibition: October 8 (Wednesday) to October 11 (Saturday), and drew attention to the Congress 80 Preparation Schedule attached to his report.

Mr. Ando said it had been agreed that the Australian OC Chairman would visit Japan every six months to discuss and resolve any problems, and that he or other representatives from Japan would also be visiting Australia.

The official carriers for the Congress will be JAL (Japan Air Lines) and QANTAS (the Australian Air Line).

AUSTRALIAN: Mr. Goldsworthy recalled the request from the Rio Meeting that the time interval between the Japanese and Australian parts of the Congress be made as short as transit time would permit. However, the Australian facilities will not be available earlier. Therefore, the Australian sessions would run from October 14 (Tuesday) to October 17 (Friday).

Mr. Goldsworthy confirmed that there was excellent co-operation between the Japanese and Australian Congress 80 organizers.

The President pointed out that a Programme Committee Chairman for Congress 80 should be appointed just after the Spring 1977 Council so that the activities at Congress 77 could assist him in preparing for Congress 80. The President added that the PC Chairman would have Vice-Chairmen in both Japan and Australia. There was discussion of some potential candidates; Mr. Goto planned to help with the assessment.

20. OTHER GENERAL ASSEMBLY BUSINESS

20.1 Membership: Chile and Ghana

Mr. Keilhau referred to his report (GA Tashkent 76/SECR-3) and indicated that Chile and Ghana would be three years in arrears on Dues payment at the end of 1977. Despite follow-up, no response had been received from Ghana. However, Chile had just written to advise that ACTI had established a new Board of Directors, wished to remain in IFIP and intended to rectify the Dues situation.

In accordance with the IFIP Statutes, the Ghana Membership will automatically be terminated at the end of 1976 if they do not react by that time.

It was proposed that action be taken to continue Chile's Membership until the Spring 1977 Council, in view of their positive reaction.

General Assembly APPROVED, with five abstentions, suspending the decision on the Chile Membership until the Spring 1977 Council Meeting.

20.2 Attendance at Meetings

The President pointed out that one of the General Assembly members was not able to participate at the meeting because he was refused a visa to enter the country. This matter had been discussed in Executive Body and Council, and the following Resolution proposed:

- "The IFIP General Assembly reaffirms the basic principle that IFIP meetings can be held only in places where all of the participants can be assured of free access without restriction."

General Assembly APPROVED the Resolution, with two abstentions.

20.3 Committee Appointments

The President announced the following Nominations Committees:

- | | | |
|---------------------|---|--|
| NC – Vice-President | - | N.J. Lehmann (Chairman)
A.S. Douglas
R. Piloty |
| NC – Trustees | - | J.E.D. Navez (Chairman)
L. Lukaszewicz
TH. Herborg Nielsen |

21. CLOSING OF MEETING

In view of the time problem it was moved that the General Assembly delegate authority for outstanding business to the Council at its next Meeting or to the President if earlier action is necessary.

General Assembly unanimously APPROVED.

Outstanding Business:

Agenda item 19

Other Events

- 19.1 AITC
- 19.2 INFOPOL '76
- 19.3 SEARCC

Agenda item 20

Other General Assembly Business

- 20.1 Expiration of Terms of Office
- 20.2 President's Membership Status
- 20.3 Jerusalem Conference on Information Technology (JCIF) 1978
- 20.4 FIACC

The President thanked Mr. Dorodnicyn and the Academy of Sciences for hosting the 1976 General Assembly Meeting.

The General Assembly declared the Meeting closed.

APPENDIX 1

TC 10 (Digital Systems Design)

Aims: The aims of the Committee are the promotion and coordination of information exchange on concepts, methodologies, evaluation methods and tools in the design of digital systems.

Scope: The scope includes:

- a) system concepts, architecture and organization
- b) logical design
- c) performance evaluation
- d) specification and design methodology of computer including microprocessors systems
- e) microprogramming

APPENDIX 2TC 3 (Education)

- Aims:
- a) to analyse current technological and social trends and identify new needs and areas for educational activities in formation processing;
 - b) to establish guidelines for comprehensive training programs and for curricular in informatics;
 - c) through working groups and conferences in the field of informatics and in its relations to other disciplines to penetrate new educational needs, areas and / or techniques;
 - d) to generate material to acquaint the general public with information processing and its impacts on education and the various aspects of society, to encourage the dissemination including translation of these materials into other languages as feasible and desirable;
 - e) to establish and maintain liaison with both national and international organizations with allied interests and foster co-operative action;
 - f) especially to consider the needs of developing countries in so far as is feasible and possible.

APPENDIX 3WG 3.1 (Informatics Education at the Secondary Education Level)

- Aims:
- a) to study the problems arising in informatics education and the use of the methods of informatics in the training of teachers and teachers of teachers including teachers already in service;
 - b) to promote the development of informatics education material
 - (i) for the second school teachers and
 - (ii) for the secondary school curriculum.

This includes the use of the methods of informatics in all disciplines and the individualization of education;
 - c) to bring the problem of informatics education in secondary school to the attention of school administrators and appropriate authorities to whom they report;
 - d) to advise and assist TC 3 in the preparation of conferences and other activities which involve secondary school education;
 - e) to promote the exchange of information on informatics in all disciplines at the secondary school level particularly with the objective of aiding developing countries where ever possible.

APPENDIX 4WG 3.2 (Advanced Curriculum Projects in Information Processing)

- Aims:
- a) to make critical studies of existing curricula in various specific areas of information processing and where desirable to make recommendations for revision and extension;
 - b) to develop curricula at advanced level in areas of special importance for the education and training of experts in information processing;
 - c) to ensure that each curriculum is fully documented in a form suitable for wide dissemination, and as far as possible, with suitable supporting material;
 - d) to encourage and, if necessary, assist the implementation of courses based on a new curriculum by institutions with appropriate facilities and expert staff.

Note: The word “advanced” is used in the following sense:

- 1) an advanced level curriculum means one suited to persons who have normally had at least three years of post-secondary education;
- 2) such a curriculum may also require substantial preknowledge and experience appropriate to the subject being covered.

APPENDIX 5WG 3.3 (Instructional Uses of Computers)

- Aims:
- a) to develop an understanding of the use of Computers for instruction, for example:
 - (i) Computer Assisted Instruction (CAI)
 - (ii) Computer Managed Instruction (CMI);
 - b) to collect and exchange experiences in the use of computers in instruction;
 - c) to study the ways in which the science and technology of information processing can contribute to the learning process and the assessment of performance;
 - d) to assist the design and application of languages and systems in the process of instruction and learning;
 - e) to examine the extent to which computer based techniques can help to satisfy the needs of developing countries, especially in remedying the shortage of well trained teachers.

APPENDIX 6

WG 4.4 (Data Protection in Health Information Systems)

Aims and Scope:

- 1) Establishment of a “Handbook on Data Protection in Health Information Systems” regarding the present state of the art and the further development of hardware equipment, software techniques and organizational measures based upon the general and special legal and ethical requirements.
- 2) Preparation and organization of a course on “Data Protection in Health Information Systems” to be held for managerial persons responsible for planning, designing, running and supervising medical information systems (medical doctors, informaticians, administrative managers) and for the prospective users.
- 3) Organization of periodic “Working Conferences on Data Protection in Health Information Systems” in summarizing the advances made and the experiences gained in this special field of medical computing.

APPENDIX 7WG 8.1 (Design and Evaluation of Information Systems)

Scope: The scope of the working group is the development of approaches for the analysis, design, specification and evaluation of computer-assisted information systems.

Aims: The aims of the working group are:

- 1) to identify concepts and to develop theories relevant to the design of information systems;
- 2) to develop methods and tools for applying these theories to the design process;
- 3) to develop methods for the specification of information needs within an enterprise, with emphasis on interface aspects;
- 4) to develop methodologies for evaluating proposals for information systems;
- 5) to develop methodologies for evaluating the operational effectiveness of information systems.

APPENDIX 8

Clarification of the status between the International Association for Pattern Recognition and the International Federation for Information Processing.

As an Affiliate Member IAPR enjoys all the rights granted an Affiliate Member by the IFIP Statutes and Bylaws and is subject to the statutory limitations regarding voting rights, etc., laid down in that constitution.

The IFIP President will appoint one of his Officers to serve as the IFIP Liaison Officer vis-a`-vis IAPR, and IAPR will likewise appoint one of its Officers to be its delegate to the IFIP General Assembly. The IFIP Liaison Officer and the IAPR General Assembly delegate will normally form the link through which information between the two bodies should be channelled.

The two organizations will do their utmost to keep each other informed about their respective activity planning for the double purpose of co-operating on activities whenever this would be beneficial to both parties and avoid competitive situations where this would be harmful to either party.

Specifically, IAPR will each Summer submit a report on its activities over the last year for inclusion in the IFIP Annual Report.

ACTION POINTSReference:

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|-----|---|---------|
| 1. | SEC'T: to forward updated versions of IFIP Summary to WG 9.1 and 9.2 Acting Chairmen. | p. 5.1 |
| 2. | TC 8 COG.OFFICER: to work with TC 8 and APC Chairmen on TC 8 Aims and Scope for presentation to Spring Council Meeting. | p. 5.4 |
| 3. | TC 8 COG.OFFICER: to request Mr. Verrijn Stuart to take over function of TC 8 Ch. As soon as possible | p. 5.4 |
| 4. | TC 3, TC 8 and IAG COG.OFFICERS: to consider using IFIP Foundation services for the joint WC on "Educational Requirements....." | p. 5.4 |
| 5. | PRESIDENT: to appoint a committee to look into question of number of TC's and WG's | p. 6.1 |
| 6. | PRESIDENT: to introduce Mr. Dixon to N-H. | p. 6.5 |
| 7. | C77 PC CH.: to make available to GA members / liaison persons registrants' names | p. 7.2 |
| 8. | ICIL CH.: to look into possibility of obtaining UNESCO support for SEA regional activities. | p. 8.1 |
| 9. | PRESIDENT: to propose to BCS schedule for March 1977 Meetings. | p. 9.1 |
| 10. | PRESIDENT: to discuss timing of 1978 Spring Council Meeting at 1977 Spring Council | p. 9.2 |
| 11. | MR. BOBILLIER: to suggest to IFAC Treasurer the IFIP Foundation services. | p. 10.4 |
| 12. | SEC'T: to produce two Information Bulletins per year. | p. 10.5 |
| 13. | SEC'T: to update SUMMARY 18 months after issue. | p. 10.5 |
| 14. | PRESIDENT: to write to the SMCE President re Dues. | p. 6 |
| 15. | COUNCIL: to establish Dues figure for Sth. Korea. | p. 6 |
| 16. | IAG CH.: to appoint a member to the SBC. | p. 6A |
| 17. | C77 OC CH.: to present Congress closing ceremony details to Spring Council | p. 10.1 |
| 18. | GA MEMBERS: to stimulate Papers contributions from their respective countries. | p. 10.2 |
| 19. | GA MEMBERS: to supply Session Chairmen suggestions. | p. 10.2 |
| 20. | C77 PC: to review each Panel Chairman and Member at February 1977 meeting. | p. 10.2 |
| 21. | GA MEMBERS: to help increase number of Papers and participants for MEDINFO 77. | p. 11.3 |
| 22. | FC: to round off Dues figures in future. | p. 12.3 |
| 23. | FC: to present example of Dues formula at next General Assembly Meeting. | p. 12.3 |
| 24. | COG.OFFICERS: to encourage WG publications, etc. | p. 12.3 |
| 25. | PIC: to evolve a recommendation for action. | p. 12.4 |

26. RC TC 6: to distribute written report to APC and Executive Body. p. 12.7
27. GA MEMBERS: to look into possibility of nominating representatives for TC 6. p. 12.7
28. MESSRS. BENNETT / GOTO: to kindly work on a specific proposal regarding venue of 1980 General Assembly Meeting. p. 13.1
29. COG.OFFICERS: to remind present and new TC Chairmen of necessity for providing information to APC p. 15.5
30. MR: DOUGLAS: to discuss ALGOL Bulletin accounts with Bulletin Treasurer and Editor. p. 16.1
31. TREASURER: to write to Mr. Fredriksson of N-H re financial standing. p. 16.1
32. GA MEMBERS: to nominate active TC 2 members. p. 16.1
33. NATIONAL SOCIETIES: to consider hosting TC 2 meetings in conjunction with their own conferences. p. 16.1
34. TC 2 CHAIRMAN: to kindly submit direct reports for future Council / General Assembly Meetings. p. 16.1
35. NATIONAL SOCIETIES: to nominate TC 3 members. p. 16.2
36. TC 4 CH.: to present details of WC on "Mathematical and Computational Methods ..." to 1977 Spring Council p. 16.3
37. FC: to establish simple mechanism to record future grant / loan amounts approved p. 16.3
38. IFIP / IAPR LIAIS.OFF., TC 5 COG.V-P: to give further information on proposed Conference "Artificial Intelligence...." To 1977 Spring Council p. 16.4
39. TC 9, TC 5 COG.V-P's: to inform TC 5 and TC 9 of General Assembly's opinion regarding Varna Conference p. 16.4
40. TC 6 CH.: to present formal proposals re proposed Seminars in Budapest and South East Asia to 1977 Spring Council p. 16.5
41. GA MEMBERS: to nominate active TC 6 members. p. 16.5
42. TC 7 CH.: to look into question of possible collaboration with UNESCO regarding "Water Problems" Conference p. 16.6
43. TC 8: to present WG 8.2 Aims and Scope to 1977 Spring Council p. 16.7
44. TC 8 COG.OFFICER: to submit further information on proposed WG 8.1 and 8.2 Working Conference to 1977 Spring Council p. 16.7
45. TC 8 COG.OFFICER: to indicate to FC possible financial requests re abovementioned WC's p. 16.7
46. TC 9 COG. V-P: to request TC 9 to present WG 9.1 and WG 9.2 Aims and Scope to 1977 Spring Council p. 16.8
47. NATIONAL SOCIETIES, TC's, WG's: to support IAG activities. p. 16.9
48. GA MEMBERS: to provide Mr. Dixon, IAG Chairman, with list of potential Subscribers to IAG's "Management Datamatics". p. 16.9
49. IAG CH.: to arrange for new IAG stationery to bear IAG title and sub-title. p. 16.9

50. EXECUTIVE BODY: to perhaps set up a meeting with TC and WG Chairmen to discuss Working Papers or Official IFIP Publications. p. 17
51. PC CH.: to circulate a letter to General Assembly members regarding IFIP History slides, etc. required. p. 17
52. SEC'T.: to distribute IFIP Publications Policy to TC, WG, Committee and SIG Chairmen. p. 17