

COUNCIL and GENERAL ASSEMBLY MEETINGS
San Francisco, U.S.A. 3 - 5 September 1989

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ELECTIONS

G.J. Morris	(United Kingdom)	was re-elected Vice-President for a three-year term
A. Melbye	(Denmark)	was re-elected Vice-President for a three-year term
L. Penedo	(Portugal)	was re-elected Trustee for a three-year term
R. Iau	(SEARCC)	was re-elected Trustee for a three-year term
M. Tienari	(Finland)	was elected Trustee for a three-year term
D. Dolan	(Ireland)	was elected Trustee for a two-year term

IFIP COUNCIL COMPOSITION

Bl. Sendov	(Bulgaria)	President	(1989/1992)
A.W. Goldsworthy	(Australia)	Past-President	(1989/1990)
G.J. Morris	(U.K.)	Vice-President	(1989/1992)
A. Melbye	(Denmark)	Vice-President	(1989/1992)
J.H. Finch	(Canada)	Vice-President	(1988/1991)
A. Rolstadas	(Norway)	Vice-President	(1988/1990)
J. Fourot	(France)	Secretary	(1987/1990)
P. Kovacs	(Hungary)	Treasurer	(1987/1990)
H.W. Le Roux	(South Africa)	Trustee	(1987/1990)
L. Penedo	(Portugal)	Trustee	(1989/1992)
R. Iau	(SEARCC)	Trustee	(1989/1992)
A. Balasubrahmanian	(India)	Trustee	(1987/1990)
A. Alvarez-Rodriguez	(Spain)	Trustee	(1988/1991)
M. Ozeki	(Japan)	Trustee	(1988/1991)
M. Tienari	(Finland)	Trustee	(1989/1992)
D. Dolan	(Ireland)	Trustee	(1989/1991)

RESPONSIBILITIES

Bl. Sendov	Nominations Committees for Officers and Trustees, Congress Chairmen
G.J. Morris	External Affairs
A. Melbye	Internal Affairs
J.H. Finch	Marketing
A. Rolstadas	Technology
J. Fourot P.	IFIP Secretariat, SBC, UNESCO
Kovacs	Finances (in general), IFIP Secretariat

HIGHLIGHTS

RESPONSIBILITIES (cont'd)

H.W. Le Roux	Cognizant Officer for TC 6
L. Penedo	Cognizant Officer for TC 8
R. Iau	Cognizant Officer for TC 11
A. Balasubrahmanian	Cognizant Officer for TC 3 and TC 7
M. Ozeki	Cognizant Officer for TC 9 and TC 10
M. Tienari	Cognizant Officer for TC 2 and 12
D. Dolan	Cognizant Officer for TC 5 and 13

IFIP COMMITTEE CHAIRMEN

Technical Assembly

A. Rolstadas

Standing Committees

Activity Management Board	A. Melbye
Admissions Committee	M. Ozeki
Congress Guidelines Committee	A. Alvarez-Rodriguez
Developing Countries Support Committee	L. Penedo
Finance Committee	A. Melbye
IFIP Committee for International Liaison (ICIL)	R.I. Tanaka
Internal Awards Committee	J. Fourot
Marketing Committee	J.H. Finch
Publications Committee	A.A. Verrijn-Stuart
Site Evaluation Committee	A. Alvarez-Rodriguez
Statutes and Bylaws Committee	P.A. Bobillier
IFIP Activity Secretary IFIP	P. Falster P.
Contracts Officer IFIP-UNESCO	Nedkov J.
Liaison Officer IFIP	Fourot J.L.
Newsletter Editor	Rosenfeld

Ad Hoc Committees

Nominations Committee for Officers Nominations	G.J. Morris
Committee for Trustees IFIP Commission for the	A.W. Goldsworthy
History of IFIP and IP	H. Zemanek

HIGHLIGHTS

TECHNICAL COMMITTEES/WORKING GROUPS

TC 12	(New)	Artificial Intelligence
TC 13	(New)	Human-Computer Interaction
WG 3.2	(Name, Aims + Scope change)	Informatics Education at the University Level
WG 6.5	(Name, Aims + Scope change)	Application Layer Communication Services
WG 7.6	(New)	Optimization-Based Computer-Aided Modelling and Design
WG 7.7	(New)	Stochastic Optimization
WG 9.4	(New)	Social Implications of Computers in Developing Countries
WG 9.5	(New)	Social Implications of Artificial Intelligence Systems
WG 11.5	(Name change introduced)	Audit and Control
WG 11.7	(Name change introduced)	Legislation

SPECIALIST GROUP (Provisional)

Foundations of Computer Science
(Fundamental Tools)

FUTURE COUNCIL AND GENERAL ASSEMBLY MEETINGS

Council and Related Meetings	- First Quarter 1990 - Jerusalem
General Assembly and Related Meetings	- Third Quarter 1990 - Buenos Aires
Council and Related Meetings	- First Quarter 1991- Barcelona
General Assembly and Related Meetings	- Third Quarter 1991 - Harare

FUTURE IFIP WORLD CONGRESSES

12th	Madrid, Spain	- 1992 (21-25 September)
13th	Hamburg, F.R.G.	- 1994

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COUNCIL MEETING
SAN FRANCISCO, U.S.A
3 September 1989

ATTENDANCE

COUNCIL MEMBERS PRESENT

A.W. Goldsworthy	President
Bl. Sendov	President-Elect
G.J. Morris	Vice-President
A. Melbye	Vice-President
J.H. Finch	Vice-President
A. Rolstadas	Vice-President
J. Fourot	Secretary
P. Kovacs	Treasurer
G. Sacerdoti	Trustee
L. Penedo	Trustee
R. Iau	Trustee
A. Balasubrahmanian	Trustee
A.A. Verrijn-Stuart	Trustee
A. Alvarez-Rodriguez	Trustee
M. Ozeki	Trustee

COUNCIL MEMBER ABSENT

H.W. Le Roux	Trustee
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OBSERVERS PRESENT

P.A. Bobillier J.L.	Honorary Member/SBC Chairman
Rosenfeld	Newsletter Editor

IN ATTENDANCE

Gwyneth Roberts	IFIP Secretariat - Geneva
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SECRETARIAT

Ruth Lawson	IFIP Secretariat - Geneva
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N.B. kindly note the Council Meeting convened for 1 1/2 hours and addressed itself to prominent issues

1. CALL MEETING TO ORDER

The **President** opened the Council Meeting and welcomed all participants.

Mr. Fourot advised that Trustee Le Roux had sent his excuses for being unable to attend.

The **President** expressed his appreciation to AFIPS for hosting the Council, General Assembly and related Meetings.

2. APPROVAL OF AGENDA

Council unanimously **ADOPTED** the Agenda.

3. APPROVAL OF PREVIOUS COUNCIL MINUTES (CI GENEVA 89)

Council unanimously **APPROVED** the Geneva Minutes.

4. EXECUTIVE BOARD REPORT

The **President** stated that the most salient issues discussed during the Executive Board Meeting would be addressed during the General Assembly Meeting.

5. OTHER COUNCIL BUSINESS

5.1 CONGRESS 92

A long discussion took place regarding the planned dates (last week of October and first week of November) of the Congress and, in that respect, **Mr. Alvarez-Rodriguez** recalled the previous request of Council to attempt to have the Congress in conjunction with the annual SIMO Exhibition (refer CI Geneva 89 Minutes, page 33).

In the final analysis, the planned dates were considered unsuitable. The **President** underlined that the Congress was the priority issue, not the Exhibition. Council consequently asked Mr. Alvarez-Rodriguez if it would be possible to arrange for the Congress to take place at the beginning of October - which timing Council would recommend to the General Assembly.

5.2 STATUTES AND BYLAWS

Mr. Bobillier advised that the proposed revisions had been circulated to all GA Members and there had been some feed-back. This would be taken into consideration and a new draft presented during the course of the General Assembly Meeting. The **President** congratulated Mr. Bobillier and his Committee Members on all the work they had undertaken and pointed out it was the first complete basic review of the Statutes and Bylaws since their creation in 1960.

5.3 FINANCES

Mr. Melbye referred to the Treasurer reports 1-7 which had been distributed to all Council Members ahead of the Meetings to allow them ample time to study same. He drew attention to TREAS-8, which Mr. Kovacs and himself had compiled in the meantime, containing projected figures for fiscal 1989 and a budget proposal for 1990.

6. FUTURE COUNCIL MEETINGS

Mr. Fourot recalled that the next Council Meeting would take place in Jerusalem from 4-9 March 1990. Mr. Gottlieb had prepared an excellent information brochure which was being distributed, in San Francisco, to all concerned parties.

Council unanimously **ACCEPTED** the invitation of the Spanish Member Society to hold the March 1991 Council Meeting in Barcelona.

As many people had to make their travel arrangements well in advance, **Mr. Morris** requested Meeting organizers to kindly advise as early as possible plans for social events adjacent to Meetings.

ACTION

7. CLOSING OF MEETING

The **President** thanked the Council meeting participants for their contributions and declared the Meeting closed.

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GENERAL ASSEMBLY MEETING

San Francisco, U.S.A. - 3-5 September 1989

ATTENDANCE

OFFICERS PRESENT

A.W. Goldsworthy	President	Australia
Bl. Sendov A.	President-Elect	Bulgaria
Melbye G.J.	Vice-President	Denmark
Morris J.H.	Vice-President	U.K.
Finch A.	Vice-President	Canada
Rolstadas J.	Vice-President	Norway
Fourot P.	Secretary	France
Kovacs	Treasurer	Hungary

MEMBERS PRESENT

C. Ronzoni *		Argentina
W. Grafendorfer *		Austria
J.E.D. Navez		Belgium
Li Ye		China
M. Tienari		Finland
W. Brauer		F.R.G.
V. Kempe *		G.D.R.
A. Balasubrahmanian		India
D. Dolan		Ireland
M. Gottlieb		Israel
G. Sacerdoti		Italy
M. Ozeki		Japan
A.A. Verrijn-Stuart		The Netherlands
I. Mitchell		New Zealand
Z. Bubnicki		Poland
L. Penedo		Portugal
T.L. Wee		Singapore
A. Alvarez-Rodriguez		Spain
D. Khakhar		Sweden
K. Bauknecht		Switzerland
G. Glaser		U.S.A.
A.A. Dorodnicyn		U.S.S.R.
Jean Whiley *		Zimbabwe
R. Iau		SEARCC
I.L. Auerbach		
H. Zemanek	Honorary Member	
R.I. Tanaka	Honorary Member	
P.A. Bobillier	Honorary Member	
R.D. Marshall **		FACE
G. Bracchi **	Affiliate Member	VLDB
	Affiliate Member	

* with Proxy of - H. Monteverde
- P. Knezu
- G. Fairall

** representing - A. Bridges
J. Bubenko

MEMBERS REPRESENTED BY PROXY

L. Uncovsky	C.S.S.R.	Bl. Sendov
H.W. Le Roux	South Africa	J. Fourot

MEMBERS ABSENT

R.F. Perellada	Brazil	
A.E. Sarhan	Cuba	
N.Dimitriadis	Egypt	
H. Aboud	Greece	
B.C. Lee	Iraq	
S.B.Jaiyesimi	Korea	
M.B. Mounajed	Nigeria	
F. Kamoun	Syria	
A.Mandzic	Tunisia	
	Yugoslavia	
J.Pino	WARCS	
P.Devijver	CLEI	
J.Brosveet	Affiliate Member	IAPR
P.H.Enslow	Affiliate Member	IASC
J.Tiberghien	Affiliate Member	ICCC
D.E.Walker	Affiliate Member	EUROMICRO
S.Kaihara	Affiliate Member	IJCAII
	Affiliate Member (in trans.)	IMIA

TECHNICAL COMMITTEE CHAIRMEN PRESENT

P.C. Poole	TC 2
W. Brauer (GA Member)	TC 3
M. Tomljanovich	TC 5
R.P. Uhlig	TC 6
P. Thoft-Christensen	TC 7
G. Bracchi	TC 8
H. Sackman	TC 9
G.L. Reijns	TC 10
W.J. Caelli	TC 11

COMMITTEE CHAIRMEN PRESENT

S.S. Yau	Congress 89 OC
H. Gallaire	Congress 89 PC
Rosa Alonso	Congress 92 OC

OBSERVERS PRESENT

H.L. Funk	President, AFIPS
Karen Duncan	Publications Officer
J.L. Rosenfeld	IFIP Newsletter Editor
E. Fredriksson	PC Obs. - IOS B.V.
Stephanie Smit	Elsevier/North-Holland Pub. Co.
A. Eskanasi	Assistant to Bl. Sendov
T. Ogino	Assistant to M. Ozeki
M. Gamella	Congress 92 OC
R. Puigjaner	Congress 92 OC
F. Fernandez-	Congress 92 OC
V. Campon	Congress 92 OC
D.H. Carreres	Incoming GA Rep. - The Netherlands
P.X. Wolbers Guo	China
M. Zhou	China
K. Brunnstein	Incoming TC 9 Chairman
B. Shackel	Incoming TC 13 Chairman

IN ATTENDANCE

Gwyneth Roberts	IFIP Secretariat - Geneva
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SECRETARIAT

Ruth Lawson	IFIP Secretariat - Geneva
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1. CALL MEETING TO ORDER

The **President** opened the General Assembly Meeting and welcomed all participants. He thanked the Hosting Society, AFIPS, for the excellent arrangements in such beautiful surroundings.

Mr. Glaser, the IFIP GA representative for AFIPS, took the floor and underlined how delighted was AFIPS to receive the IFIP family in San Francisco. He announced that the AFIPS President, Mr. Funk, would be joining the Meeting in due course.

The **President** then declared the Working Session open.

Mr. Fourot introduced the new GA representatives: Messrs. Ye Li/China, Kempe/G.D.R., Mitchell/New Zealand and Khakhar/Sweden. He expressed that IFIP's thanks be extended to their predecessors for their invaluable contributions - namely: Messrs. Guo, Lehmann, Potter and Hernaes.

The **President** presented Mrs. Whiley, President of the Computer Society of Zimbabwe, who held the proxy for Mr. Fairall.

Mr. Fourot announced that further proxies had been received

<u>from:</u>		<u>in favour of:</u>
Mr. Monteverde	- Argentina	Mr. Ronzoni
Mr. P. Knezu	- Austria	Mr. Grafendorfer
Mr. Uncovsky	- C.S.S.R.	Mr. Sendov
Mr. Kempe	- G.D.R.	Mr. Fuchs-Kittowski (for 4+5 September)
Mr. Le Roux	- South Africa	Mr. Fourot

Excuses had been received from Iraq, IAPR, IASC and ICC.

Mr. Fourot regretted that no news had been forthcoming from Cuba, Egypt, Greece, Korea, Syria, Tunisia, Yugoslavia, CLEI, EUROPMICRO and IJCAII. Additionally, Brazil had still not appointed a new representative (despite numerous requests) and WARCS had yet to appoint a representative. Mr. Jaiyesimi/Nigeria had not shown up despite his intention to participate.

Mr. Fourot introduced Mr. Marshall/FACE, standing in for Mr. Bridges, and advised that Mr. Bracchi would represent Mr. Bubenko/VLDB. He presented Mr. Brunnstein, the incoming TC 9 Chairman.

He advised that the TC 7 Chairman, Mr. Thoft-Christensen, had had to depart following the Related Meetings.

2. APPROVAL OF AGENDA

General Assembly unanimously **APPROVED** the Agenda.

3. APPROVAL OF PREVIOUS MINUTES (GA NEW DELHI 88)

General Assembly unanimously **APPROVED** the New Delhi Minutes.

4. PRESIDENT'S REPORT

The President drew attention to his Annual Report 1988/89 and stressed his confidence that IFIP would continue to grow and develop and provide valuable services to the community. He added that all salient issues would be addressed by him under the concerned Agenda items.

5. SECRETARY'S REPORT

Mr. Fourot presented his report (SECR-2). In view of the Yugoslavian Member's financial situation and its request for a Dues reduction, he had written to the GA representative, Mr. Mandzic, offering that ETAN change its status and apply for Corresponding Membership. To-date he had received no reply.

He recalled the "entry visas" problems which had been encountered in respect of participating in IFIP events and the GA's directive that he look into the situation with ICSU (International Council of Scientific Unions) of which IFIP was a Scientific Affiliate. As a consequence, on 28 June 1989, he had circulated to GA Members, TC and WG Officers, et al an ICSU Paper entitled "Advice to Organizers of International Scientific Meetings" with a covering letter of instruction on the implementation of the procedures for IFIP people.

Mr. Fourot requested the TC Chairmen to address the subject at their next meetings so that the ICSU text could be made widely known within the community. ACTION

He had represented IFIP at the June 1989 FIACC Meeting in Paris. The most important item discussed was the subject of publications and the need to stream-line a policy. The Sister Federations felt it was imperative to find less expensive ways of producing and distributing Proceedings, etc.

Attention was drawn to the "Continuing Action List" dated 24 May 1989 (SECR-1) and he requested urgent feed-back from concerned parties in order to up-date same. He added that some of the on-going items would be incorporated in the next edition of the IFIP Standing Orders. ACTION

Mr. Fourot advised that the IFIP Secretariat was handling a very heavy (and increasing) work-load and he wished to thank Mesdames Roberts and Lawson for their dedicated efforts. The University of Geneva was in the process of making arrangements for the Secretariat to be keyed into its electronic mail system and would be available shortly. Once installed, details for accessing the system would be announced. ACTION

6. MAJOR EVENTS

6.1 IFIP CONGRESS 89

6.1.1 Organizing Committee

Mr. **Yau** felt that many GA Members had participated in the Congress which had attracted over 1,500 attendees from 48 countries of which approximately 700 from U.S.A. There had been 73 one-day registrations. (Tentative figures). Additionally, the Exhibition (84 booths paid of which 7 not utilized and 300 staff) had been attended by 300 Exhibit-only registrants.

The Congress surplus would probably range from a minimum of \$ 20,000 to a maximum of \$ 100,000; the IFIP loan of \$ 30,000 would be returned during the course of the GA Meeting week.

Mr. **Yau** referred to the various contributions received and said the promised \$ 8,000 from UNESCO was still in the pipe-line. However, such a sum had been allocated to provide accommodation, etc. for participants from the Developing Countries.

Although one tutorial had been cancelled, the others (9) had been successful from both a technical and financial view-point. Well over 600 people had participated in the Technical Visits.

In conclusion, Mr. **Yau** said the Congress participation had equalled expectations and he had been very satisfied with the smooth-running of same. He placed on record his sincere thanks to all the Members of his Committee and to the innumerable volunteers who had expended so much effort to make the Congress a success.

The final report on Congress 89 would be presented at the next Council Meeting and subsequently to the General Assembly. ACTION

6.1.2 Programme Committee

Mr. Gallaire said his report would not be substantially different from the one presented at the Geneva Council Meeting. He also drew attention to his Annual Report 1988/89.

The choice of San Francisco as the Congress lieu had attracted good speakers. There had been 110 Sessions with approximately 300 Speakers. 130 Papers (representing 36 countries) had been accepted out of the 380 submitted from just over 40 countries.

Only one invited speaker did not advise he could not come. Another, unfortunately, had had an accident. No more than five Panelists had not shown up, but they had been replaced on the spot. One Session only had had to be cancelled. The Proceedings contained all invited Papers, responded Papers and submitted Papers (with the exception of four).

Mr. Gallaire stated that the Congress was highlighted by the keynote speakers at the Opening and Closing Ceremonies: namely D.E. Knuth (distinguished Professor of Computer Science at Stanford University), J. Young (Chairman and Chief Executive Officer of Hewlett-Packard) and W.N. Joy (Vice-President of R&D, Sun Microsystems, Inc.).

Congress 89 had been a wide-scope Congress, but PC had tried to involve the TCs and WG's. There had been many TC and WG activities just prior to and following the Congress.

Mr. Gallaire underlined that it would certainly be very difficult to organize another wide-scope Congress in the future. The Congress should be placed more into relation with TC activities. He felt Congress 89 was probably the last of its nature. Almost all of the targets had been achieved, but he considered the lieu of San Francisco had played an important role. **Mr. Gallaire** expressed his thanks to the PC members and all those people who had given constant support to Congress 89.

(The discussion on the Structure of Future Congresses is reported under Agenda item 6.1.2A.)

The **President** placed on record, on behalf of the General Assembly, warmest thanks to OC Chairman Yau and PC Chairman Gallaire for the enormous amount of time spent in organizing Congress 89. The Congress had been a success and the **President** also expressed heartfelt thanks to all the OC and PC Members and the many volunteers.

General Assembly **APPLAUDED**.

6.1.2A

Structure of Future Congresses

The **President** emphasized that it was the function of the General Assembly to decide upon the nature of future Congresses. It was absolutely necessary for the organizers of Congress 92 to have a very clear understanding of the line they should take. He recalled that an Ad Hoc Committee had been set up following Congress 83/Paris (refer GA Paris 83, Minutes page 96) to study the issue at that time He opened a debate on the subject and recommended that the number of streams be reduced with only invited and keynote Papers, no submitted Papers at all. Then one could focus very clearly on three or four streams in parallel.

The following suggestions were put forward:

- Verrijn-Stuart - Produce the Proceedings in several volumes, e.g. one for each stream.
- Sendov - Did not think it was a good idea to abolish all submitted Papers as this would affect the academic world attendance. (Bulgaria funded persons if they could prove their Papers had been accepted.) Some invited Papers have turned out not to be as important as submitted Papers.
- Gallaire - Drew attention to the various, major specialized Conferences outside of IFIP which attracted large audiences.
- Penedo - Recommended that IFIP still have submitted Papers. The time and place should be carefully considered. Steps had to be taken to attract people. Recognition of certain disciplines.
- Bracchi - Suggested four or five Conferences going on in one week in one place with maybe one day of common interest.
- Rolstadas - Indicated that the Congresses which could survive were those which could offer high-quality Papers. IFIP should strive to maintain that its Congresses be highly prestigious. IFIP would have to have submitted Papers with a very thorough screening process; to abolish same would be suicide. Considered IFIP was losing the industrial people.
- Glaser - Recalled "NCC", the major event of AFIPS in the U.S.A., which had come to an untimely death. IFIP should save its Congresses; they were also very important from a social aspect. IFIP should try to generate (small) funds from other events which might total more than the financial results of a Congress.
- Tomljanovich - Stated it was evident that IFIP was facing strong competition and suggested that IFIP Congresses avoid competing just on technologies because they were better handled at the Workshops.
- Balasubrahmanian - Considered there should be no problem in scheduling topics and having a pure stream. IFIP needed to change the trend with maybe a smaller quantity of submitted Papers.

- Rolstadas - Felt IFIP needed to be better at marketing Congresses - an important factor.
- Reijns - Stated that the TC Chairmen had agreed IFIP should focus the streams around the TC themes. Additionally, there should be a general stream which could attract quite a number of people. PC should have the TC Chairmen within its Committee.
- Mitchell - Considered there should be a larger focus on research.
- Glaser - Felt PC's should not be constrained by the work of the TCs, but be advised to receive counsel.
- Penedo - Said the flexibility of "the PC Chairman should not be limited.
- Uhlig - Believed the purpose of Congresses should be to allow for professionals in IFIP to be kept up-to-date. Thought a Congress was an unique opportunity for hearing about what were the key things which had taken place in recent years.
- Grafendorfer - Felt a stream dealing with Computers and the Handicapped' should be included. In Austria, there were many successful activities in that domain.
- Tienari - Considered a general Congress was right as one of the purposes was to get an overview of the field.
- Morris - Referred to the current 'hot topic' of "Viruses" and recommended there should be a 'hot topic' track that PC refused to think about before the event and then try to encompass something within the Congress.

General Assembly unanimously **ADOPTED** the following motion:

GA reaffirmed the fact that the Congress was the premier IFIP event and a very important international activity. GA invited the Programme Committee for Congress 92 to undertake something significantly different from heretofore and new ways of better marketing should be sought. ACTION

The President moved that, in essence, the number of streams should be reduced and the TCs should be much more involved.

General Assembly **ADOPTED** the motion - 25 in favour, 7 objections and 2 abstentions.

WCCE 90, July 1990, Sydney

Mr. Brauer presented the report of the WCCE 90 PC Chairman, Mrs. Wills, and underlined that the TC 3 Working Groups were heavily involved in the Programme. Each WG Chairman was responsible for a stream.

Specialist mini-Conferences had been arranged during WCCE 90 related to "Teleteaching", "Computer Based Training" and "Kids in Classrooms". As mentioned previously, there would be a pre-Conference in New Zealand - "Computers in Education: National Perspectives" and a post-Conference in Japan - "Advances Research on Computers in Education".

Mr. Brauer referred to the negotiations with UNESCO. WCCE 90 hoped to receive support in order to assist delegates from DCs. UNESCO would also provide a Speaker for the Opening Session.

He was happy to report that thus far over 1,000 people had indicated their interest to participate in WCCE 90 and the Organizers were very optimistic that there would be an excellent attendance.

IFIP CONGRESS 92, MADRID

Mrs. Alonso addressed her report and gave a briefing on the constitution of the Organizing Committee which included the Presidents of the three main FESI Associations. The Congress logo had been chosen and registered and the premises had been booked. Information meetings on IFIP and the planned Congress had taken place with representatives of the Industry Ministry, Government Research Centres, Universities, IP companies, scientific magazines and journals.

The main concern was the timing of the Congress and **Mrs. Alonso** recalled the previous request of the Council (Geneva, March 1989) to attempt to have the Congress in conjunction with the annual SIMO Exhibition. However, SIMO would take place in the month of November and that month appeared to be unsuitable in the eyes of many IFIP GA Members.

The **President** advised that the matter had been discussed at the Executive Board and Council Meetings and pointed out that the priority factor was the Congress - the Exhibition should not determine the Congress date. **Mr. Uhlig** underlined that there should not be a conflict with "ICCC 92" scheduled for October.

With the recommendation of the Council, a motion was put forward that C92 OC attempt to hold the Congress **in** the week of 20 September or 7 October.

General Assembly **ADOPTED** the motion with 25 in favour and 3 abstentions.

(N.B. At the end of the GA Meeting, **Mrs. Alonso** announced that - following numerous telephone calls - it had been possible to make available premises and accommodation so that the Congress could take place 21-25 September 1992.

Discussion ensued regarding the pros and cons of organizing an Exhibition alongside the Congress. Consequently, the **President** charged OC with a very clear instruction - IFIP did not like to organize activities which would generate a loss, but left it to OC's best judgement whether or not to organize an Exhibition.

Mr. Bobillier pointed out that it was essential to appoint the PC Chairman. At the end of the GA Meeting, it was announced that Mr. Brauer would hold the function.

7. ELECTIONS

7.1 NOMINATIONS COMMITTEE - OFFICERS

Mr. Rolstadas referred to the NCO letter of 16 June 1989 distributed to Full GA Members recommending that Messrs. Melbye and Morris be re-elected as Vice-Presidents. The **President** called for nominations from the floor. Mr. Dorodnicyn proposed Mr. Alvarez-Rodriguez which was supported by Messrs. Navez and Ronzoni.

The voting results were as follows: Melbye/25, Morris/19, Alvarez-Rodriguez/ 18.

General Assembly **RE-ELECTED** Mr. Melbye/Denmark and Mr. Morris/U.K. as Vice-Presidents.

7.2 NOMINATIONS COMMITTEE - TRUSTEES

Mr. Morris referred to the NCT letter of 12 July 1989 distributed to Full GA Members recommending the names of Messrs. Dolan, Gottlieb, Iau, Jaiyesimi, Penedo and Tienari for four vacant Trustee positions.

The voting results were as follows: Dolan/19, Gottlieb/16, Iau/31, Jaiyesimi/4, Penedo/31, Tienari/26.

General Assembly - **RE-ELECTED** Messrs. Penedo/Portugal and Iau/SEARCC for three-year terms.
- **ELECTED** Mr. Tienari/Finland for a three-year term.
- **ELECTED** Mr. Dolan/Ireland for a two-year term (to complete Mr. Verriijn-Stuart's term).

The **President** congratulated the elected candidates who were **APPLAUDED** by the General Assembly. He sincerely thanked all those who had allowed their

names to be put forward. The **President** expressed his gratitude of all the efforts and activity undertaken by Mr. Sacerdoti who had just completed his second third-year term. General Assembly gave a **VOTE OF THANKS** to Mr. Sacerdoti.

Mr. Navez put forward a motion that the Nominations Committee should avoid proposing Officers and Trustees for second three-year terms. He considered there should be a more democratic rotation.

The motion was **NOT CARRIED**.

7.3 NOMINATION MADE BY THE PRESIDENT-ELECT

Mr. Sendov announced that Mr. Verrijn-Stuart was finishing his term as the GA representative for The Netherlands. As he wished him to continue Chairing the Publications Committee, Mr. **Sendov** moved that Mr. Verrijn-Stuart be elected for a three-year term as an Individual Member.

The motion was **CARRIED** with one abstention and General Assembly **APPLAUDED**.

FINANCES

8.1 1988 AUDITED ACCOUNTS

Mr. Kovacs referred to his Annual Report 1988/89 and drew attention to TREAS-1 (Statement of Receipts and Expenditures for 1988 and the Balance sheet as of 30 December 1988) which showed net assets at the end of 1988 of SFr. 681,256.58. He presented TREAS-2 (Auditor's Report) and TREAS-3 which gave very detailed figures in respect of the 1988 operation, et al. Mr. Kovacs underlined the deficit for 1988 of SFr. 313 as compared to the forecast of SFr. 85,000.

Mr. Kovacs recalled that new accounting procedures had been used in 1988 and it could be seen that the total operating expenses of SFr. 485,190 were much less than the budget amount of SFr. 535,000.

General Assembly unanimously **APPROVED** TREAS-1 and TREAS-2.

8.2 1989 STATEMENT AS PER 30.6.89

Mr. Kovacs pointed out that the first half-year results had been incorporated in TREAS-3.

According to a directive of the Executive Board, projected figures for the whole year had been included in TREAS-8.

8.3 DUES SITUATION

Mr. Kovacs presented TREAS-4 (IFIP Membership Dues Status for 1989). A new format had been created which made it possible to assess the situation at a glance. He urged those Member Societies which had not yet paid their Dues to kindly settle same forthwith. ACTION

8.4 INVESTMENTS

Mr. Kovacs drew attention to the Investments position for 1988 and the first six months of 1989 - as outlined in TREAS-3, page 4. **Mr. Melbye** addressed his report on the Management of Investments in IFIP - TREAS-6 (refer Agenda item 12.4 Finance Committee).

8.5 1990 BUDGET

Mr. Kovacs said the 1990 Budget requests had been discussed within the framework of Executive Body **which** had found some of the figures unacceptable. New figures had been established, including various requests which had come up during the GA Meeting. At the last session, he presented the revised Proposed Budget - refer to TREAS-8 dated 4 September 1989.

General Assembly unanimously **APPROVED** the 1990 revised Proposed Budget.

8.6 OTHER

Mr. Kovacs presented TREAS-5A (Activity Grants Status 1989), TREAS-5B (Activity Loans Status 1989) and TREAS-5C (Activity Support Status 1989).

Discussion ensued on various ways of generating income rather than cutting back on the expenses.

In conclusion, **Mr. Kovacs** thanked Mr. Melbye for all his assistance in compiling the figures contained in the report. The **President** congratulated Mr. Kovacs on his excellent presentation.

9. TECHNICAL ASSEMBLY

Mr. Sendov advised that TA had met the previous day with a special opening session dedicated to new technical activities - to which various experts outside of TA had been invited. It was subsequently decided to set up a Specialist Group on the "Foundations of Computer Science (Fundamental Tools)"

with the following Scope and Aims and **Mr. Sendov** put forward a motion for the creation of same:

SCOPE : The Scope of the Specialist Group is

- 1) to support the development of theoretical computer science as a fundamental science that has similar scientific goals in understanding of information processing world as physics has in understanding of energy processing world and similar goals to develop methodology for science and technology as mathematics does;
- 2) to support the development and exploration of fundamental concepts, models, theories, systems and other basic tools and the understanding of laws, limits, and possibilities of information processing as well as to develop bridges with other sciences and their applications.

AIMS : To encourage, organize, support, and unify the development of the following areas:

Frontiers, laws, and limits of information processing.

Fundamental formal systems (automata theory, information theory, coding, combinatorics and graph processing, formal system theory).

Efficiency and complexity of information processing (data structures, design and analysis of algorithms, networks, computational geometry, cryptology, complexity and efficiency in continuous and discrete mathematics, models of computers and computations, VLSI algorithms).

Formal systems to specify, design, verify, analyse, and manipulate complex information processing systems (data types, specification models, program design and transformation and verification, concurrency, computational logic, proof processing, formal systems manipulation techniques, symbolic computation).

Theoretical foundations of various other parts of computer science of its main application areas (theoretical computer architecture, theoretical robotics, foundations of artificial intelligence - knowledge processing, learning, neural computing, data base theory, ... computational algebra, ...).

Scientific paradigms of IT'S and their relations to other disciplines (von Neumann concepts, neural systems, philosophical and cognitive paradigms, etc .) .

Information processing fundamental concepts, models, and theories to support the development of other sciences (computational physics, biology, chemistry, linguistics, ...).

with the goal to develop foundations and to make use of them.

Mr. Poole spoke against the motion. During the TC 2 meeting of the previous week, there had been strong opposition to the formation of a new body in that domain. TC 2 believed the proper course of action would be to create some more WG's within TC 2; moreover, there was certainly a great deal of overlap - as set down in the proposed SG Scope and Aims - with existing TC 2 WG's.

Mr. Verriijn-Stuart favoured the SG as, with his knowledge and experience of working in a TC and its WG's, he had found that a lot of theory needed to be developed.

Mr. Rolstadas failed to see why TC 2 should object so strongly. Once the SG had been formed and was functioning, it could ultimately be judged if the SG should remain, become a WG under TC 2 or be dissolved.

Mr. Sendov underlined that the most important thing was to have a structure since there were so many people who wished to work in IFIP.

The President suggested that GA take a decision on Mr. Sendov's motion, but the SG should be considered "Provisional" so that GA could divert it into what it wanted.

General Assembly voted IN FAVOUR of establishing a Provisional Specialist Group on "Foundations of Computer Science (Fundamental Tools)".

Mr. Sendov announced that Prof. Gruska/C.S.S.R. (TC 2 member) would be the Chairman.

NEW TECHNICAL COMMITTEES

Mr. Sendov recalled the work undertaken by the Specialist Group on Artificial Intelligence, Chaired by Mr. Meersman, and the Workshop on "Future Directions for AI Research" which had taken place in August within the framework of IJCAII 89. TA recommended to GA the establishment of TC 12 on "Artificial Intelligence" under the Chairmanship of Mr. Meersman.

General Assembly unanimously APPROVED the establishment of TC 12 with the following Aims and Scope:

AIMS

The promotion of research and the coordination of the exchange of information within the field of Artificial Intelligence and with related fields of interest.

SCOPE

The Scope of this Technical Committee includes the study of knowledge representation, reasoning, problem solving, machine learning, the processing and understanding of natural language, robotics, computer vision and other cognitive and intelligent functions of machines.

TA recommended to GA the establishment of TC 13 on "Human-Computer Interaction" under the Chairmanship of Mr. Shackel.

The **President** recalled that "INTERACT 84" (1st Conference) had led to the establishment of a Task Group headed up by Mr. Shackel. At various General Assembly Meetings IFIP had had reports of the activities of Mr. Shackel and he would like to use that as an introduction.

Mr. **Shackel** referred to the suggested Scope and Aims and presented a small report on the TG origins, program over the years and Conferences - "INTERACT 84"/London, "INTERACT 87"/Stuttgart; "INTERACT 90" would be held in Cambridge and "INTERACT 93" was in the throes of preparation. "INTERACT 84" had yielded a surplus of £ 13,000 of which £ 8,000 had been passed on to IFIP and the balance retained to support further development, etc. It was expected that "INTERACT 87" would yield a surplus to IFIP of between £ 3,000 - £ 4,000. The Newsletter "INTERACT" had been conducted on a self-financing basis for just over seven years.

Mr. Tienari considered the area was somewhat narrow for a TC and felt it would fit nicely into the overall activity of TC 8 as a **WG**. The **President** replied that all the TC Chairmen had been present at TA and it was of concern that inevitably there was overlap, but there had been strong support for the establishment of TC 13.

General Assembly **APPROVED** the establishment of TC 13 - 31 in favour, 1 objection and 2 abstentions, with the following Scope and Aims:

SCOPE

The Technical Committee aims toward the development of a science and a technology of the interaction between humans and computers (under 'computers' we include information technology in general). The main orientation is toward the users, especially the non-computer-professional users, and how to improve the human-computer relationship for them.

Areas for study include:

- the problems people have with computers;
- the impact of computers upon people in both individual and organisational contexts;
- the determinants of utility, usability and acceptability; the appropriate allocation of tasks between computers and people;
- modelling the user as an aid to better system design;
- harmonising the computer to the characteristics and needs of the user.

While the Scope is thus set wide, with a tendency towards general principles rather than particular systems, it is recognised that progress will only be achieved through both general studies to advance theoretical understanding and specific studies on particular practical issues (e.g. interface design standards, software system consistency, documentation, appropriateness of alternative communication media, human factors guidelines for dialogue design, the problems of integrating multi-media systems to match user needs and organisational practices, etc.).

AIMS

To encourage development towards a science and a technology of human-computer interaction, the Technical Committee will pursue the following Aims:

to promote and provide facilities for the exchange of information; to encourage empirical research (using valid and reliable methodology, with studies of the methods themselves where necessary); to promote the use of knowledge and methods from the human sciences in both design and evaluation of computer systems;

to promote better understanding of the relation between formal design methods and system usability and acceptability;

to develop guidelines, models and methods by-which designers may be able to provide better human-oriented computer systems; to co-operate with other groups, inside and outside IFIP, so as to promote user-orientation and 'humanization' in system design; to organise specific programmes (e.g. by technical study groups, workshops, etc), through which to pursue these Aims.

General Assembly **APPLAUDED** Mr. Shackel.

TECHNICAL COMMITTEE 2

TA had endorsed the idea of TC 2 investigating the possibilities of establishing a WG on "Logic Programming".

TECHNICAL COMMITTEE 3

TA had approved a new name for WG 3.2 - "Informatics Education at the University Level" with the following Aims and Scope:

- 1) to promote a proper understanding of the impact of the information technologies on society and to develop an awareness of the consequent new professional responsibilities for all students;
- 2) to keep in review the need for on-going changes in curricula for informatics resulting from changes in the emphasis put on the existing components, from technological development and from theoretical advances;
- 3) to provide guidance on the adequate informatics component needed in the curricula of all disciplines making significant use of informatics;
- 4) to work on model curricula, adaptable to various cultural needs and educational systems, especially those of developing countries.

SCOPE

Information education at the tertiary level (universities, polytechnics, colleges of higher education, institutes of technology, etc.) covering education of specialists (like informaticians, computer scientists, software engineers, etc.) as well as the education of students from other disciplines.

TA had also approved a few minor changes in the Aims of WG 3.4 (Vocational Education and Training) which would now read as follows:

"To update and promote, within general and adult education, more effective vocational education and training of professionals and advanced end-users for the field of informatics."

TECHNICAL COMMITTEE 6

TA had approved the following revised Scope and Aims of WG 6.5 (Application Layer Communication Services):

SCOPE

Message Handling Systems (MHS), are now progressing into a worldwide interworking service utilizing established standards. The MHS store and forward service complements the equally growing data network services provided by internationally interconnected networks (WAN, LAN, ISDN, etc.). These services remain of limited usefulness unless accompanied by standards to regulate the exchange of information objects between network connected applications.

AIMS

The Working Group will study information objects and their structure, procedures and protocols for network application service elements using MHS, or any other information object transfer services. The Working Group will also study and promote the definition and standardization of any service that supports and augments the basic Worldwide Application Layer Communication Services, or permits the interworking of individual facets of such services. Results of this work will be made available to individuals and organizations concerned, such as users, manufacturers, common carriers, PTTs, ISO, CCITT, national and regional standards bodies, and implementation profile developers.

TECHNICAL COMMITTEE 7

TA proposed the establishment of WG 7.6 (Optimization-Based Computer-Aided Modelling and Design).

General Assembly **APPROVED**, with one abstention, WG 7.6 with the following Scope and Aims:

SCOPE

To promote and encourage computer-supported applications and implementations of sophisticated optimization techniques in the fields of modelling of complex information systems and construction of high performance knowledge-based optimization systems, such as expert systems, decision support systems and other informatics systems. To stimulate and conduct further research in the respective areas and to contribute to wide international exchange of all related information.

AIMS

to promote theoretical investigations in the field of optimization including mathematical programming and optimal control; to encourage development of general knowledge-based systems on applying sophisticated optimization methods and algorithms;

to contribute to the exchange and dissemination of information and collective experience among the interested groups and individuals; for this purpose sponsor and organize working conferences and symposia; to support applications of such systems in control engineering, industry, economy, etc.

TA also proposed the establishment of WG 7.7. (Stochastic Optimization).

General Assembly **APPROVED**, with one abstention, **WG 7.7 with** the following Aims and Scope:

AIMS and SCOPE

To foster - by workshops and working conferences - international co-operation among experts in stochastic optimization, and to spread information about the achievements of the field into areas of possible applications.

Subject of this WG are all problems involving in an essential way stochastic components (variables or processes) and the task of optimizing functions.

In particular this includes:

- Theoretical investigation of stochastic optimization models.
- Design, development and analysis of solution methods.
- Modelling practical problems by stochastic optimization problems, e.g. in agriculture, industrial production, finance, power systems, water reservoir management, and implementing stochastic optimization models into decision support systems.

It was noted that the Aims and Scope of WG 7.1 (Modelling and Simulation) would be redefined in due course.

TECHNICAL COMMITTEE 8

Mr. **Sendov** advised that WG 8.1 (Design and Evaluation of Information Systems) was discussing a revision of its Scope and Aims.

TECHNICAL COMMITTEE 9

TA proposed the establishment of WG 9.4 (Social Implications of Computers in Developing Countries).

General Assembly **APPROVED** WG 9.4 - 28 in favour, one objection and two abstentions - with the following Scope and Aims:

SCOPE

- 1) National computerization policy issues.
- 2) Culturally adapted computer technology and information systems.

- 3) Role of trans-national corporations, regional and international co-operation and self sufficiency in informatics.
- 4) Social awareness of computers and computer literacy.

AIMS

- 1) to collect, exchange and disseminate experiences of developing countries;
- 2) to develop a consciousness amongst professionals, policy makers and public on social implications of computers in developing nations;
- 3) to develop criteria, methods, and guidelines for design and implementation of culturally adapted information systems;
- 4) to create a greater interest in professionals from industrialized countries to focus on issues of special relevance to developing countries through joint activities with other TCs.

TA also proposed the establishment of WG 9.5 (Social Implications of Artificial Intelligence Systems).

General Assembly **APPROVED WG 9.5** - 23 in favour, one objection and seven abstentions - with the following Scope and Aims:

SCOPE

- 1) Impacts of AI systems and their applications on individuals, groups, enterprises, economies, nations and international relations.
- 2) Paradigms and limits as well as opportunities of AI systems; effects of integration of AI methods on complex computer and communication systems (databases, networks, Control, Command and Intelligence systems).
- 3) National policies in AI systems development.
- 4) Role of AI systems in changes of organisations and infrastructures, in quality of working life, employment, management in the development of human resources (such as education and training).

AIMS

- 1) to collect, exchange and disseminate knowledge about experiences, risks and opportunities of AI systems;
- 2) to develop consciousness of opportunities and risks, and to develop responsibility among professional developers of AI systems as well as users of such systems;

- 3) to develop criteria, methods and guidelines for designers, implementors and users of AI systems for adapted AI systems;
- 4) to promote participative, human oriented system design;
- 5) to highlight the cultural challenge inherent in applications and usage of AI systems;
- 6) to help establish and disseminate ethical standards for responsible behaviour of computer professionals and users of complex AI systems.

It was noted that the TC 9 Vice-chairman, Mr. Millin/Israel, would Chair the Working Group 9.5.

TC REVIEW STATUS

Mr. **Sendov** advised that TA had agreed to Mr. Sacerdoti's proposition to replace Mr. Mason by Mr. Poole as a Member of the TC 2 RC because of the change in the TC 2 Chair. It was noted that the TC 10 and TC 11 Reviews were progressing as scheduled.

IFIP CODE OF ETHICS PROJECT

Mr. **Sendov** advised that Mr. Sackman had presented his Interim Report to TA and it was noted that a great deal of work had been carried out since the Geneva Council Meeting. It was felt that the project should go ahead and TA had recommended Mr. Sackman to prepare a revised, shortened version for distribution to a broader audience. It was suggested that this could be included in the next IFIP Newsletter mailing. ACTION

CENTRALIZED SUPPORT FOR ORGANIZING TC ACTIVITIES

TA had approved Mr. Rolstadas' document on the subject matter and had recommended that the details be further elaborated by AMB. ACTION

WG CHAIRMAN HANDBOOK

TA had recommended Mr. Rolstadas to circulate to WG Chairmen his document on the subject matter and to process the expected feed-back. ACTION

ICSU GLOBAL CHANGE PROGRAM

Mr. **Sendov** gave a briefing on the Program and said he had been invited to give a one-hour lecture at the next meeting of ICSU (October 1989) regarding the activity of IFIP in order to facilitate co-operation. He would report on same at the next Council Meeting. ACTION

NEW ACTIVITIES

Mr. **Rolstadas** proposed that SFr. 5,000 be put at the disposal of TA to undertake new activities. ACTION

COMPUTER VIRUSES

Mr. Sendov advised that Mr. Caelli had presented to TA the project for a Resolution on Viruses and, after extensive discussion, Messrs. Caelli and Brunnstein had been asked to prepare a more extended version for General Assembly approval.

The Resolution was examined by GA, and with two amendments, was unanimously **APPROVED** as follows:

IFIP RESOLUTION

That in view of the potentially serious and even fatal consequences of the introduction of "virus" programs into computer systems, the Technical and General Assemblies of IFIP urge:

- 1) all computer professionals to recognise the disastrous potential of computer viruses;
- 2) all computer educators to impress upon their students the dangers of virus programs;
- 3) all publishers to refrain from publication of detailed and actual virus software code;
- A) all computer professionals worldwide not to knowingly distribute virus code, except for the purpose of legitimate research in a controlled and laboratory environment, and all developers of virus detection and prevention systems to stop distribution of virus code for test purposes;
- 5) governments, universities and computer systems manufacturers to devote more resources to research into and the development of new technologies for the protection of computer systems, and
- 6) governments to take action to make distribution of computer viruses a criminal act.

The **President** felt the Resolution should be publicized immediately and suggested it be issued as a press release with the assistance of the Member Societies.

Mr. Sendov invited the authors to write down an introductory statement.

Mr. Morris proposed that a letter be sent that week by the IFIP President to the Presidents of all Member Societies drawing attention to the Resolution and asking them:

- 1) to give the widest publicity to the IFIP Resolution;
- 2) to consider adopting a similar Resolution themselves, and
- 3) to do all in their power to fight this menace.

General Assembly unanimously **ACCEPTED** the proposition.

ACTION

10. ACTIVITY MANAGEMENT BOARD

Mr. Finch presented his report (GA San Francisco 89/AMB-1) and advised that AMB had met the previous afternoon.

CONFERENCE OFFICER

Attention was drawn to the fact that it was Mr. Glaser's final official meeting as his GA term of office expired at the end of GA. On behalf of AMB, **Mr. Finch** thanked Mr. Glaser for his strenuous efforts and innovations.

Mr. Glaser reported on the IFIP 6-Year Plan, Loans and Grants and Conference Officer Charter.

CENTRALIZED SUPPORT FOR ORGANIZING TC ACTIVITIES

Mr. Finch said TA had adopted the report of the first Task Force (with a request for further elaboration) and had asked AMB to organize its implementation. For this purpose, a second Task Force had been set up Chaired by Mr. Rolstadas with Messrs. Glaser, Verriijn-Stuart and Melbye as members.

AMB hoped that the proposed automated and integrated system would be ready by year-end in order that the training and conversion could take place in 1990. In the meantime, the existing systems would continue to be used.

APPROVED EVENTS

Mr. Finch drew attention to his report (AMB-2) listing events approved during the period March through August 1989.

TECHNICAL COMMITTEE 12

AMB had agreed that the new TC could draw upon the IFIP Development Fund for up to SFr. 4,000 - seed money for the balance of 1989. TC 12 had requested a 1990 Budget of SFr. 8,000, but highly expected that SFr. 5,000 of same would be returned.

11. TECHNICAL COMMITTEES

11.1 TC 2 (PROGRAMMING)

Mr. Poole presented his Annual Report 1988/89 and advised that TC 2 would be holding its second 1989 meeting 25-26 September in Napa Valley, California.

He called on those Member countries which were not represented to nominate people. Some TC 2 representatives were inactive and he would attempt to get them replaced. ACTION

During the reporting period, Mr. Meersman/NL had been elected WG 2.6 Chairman for a second term and Mr. Unger/F.R.G. had succeeded Mr. Beech/U.S.A. as WG 2.7 Chairman.

Mr. Poole said TC 2 wished to establish a new Working Group on "Logic Programming", the idea of which had been endorsed by TA. However, TC 2 would seek people rather than going through the process of a Working Conference as in the past.

It was noted that the WG 2.2 State-of-the-Art Seminar on "Formal Description of Programming Concepts", April 1989, Rio de Janeiro had been extremely successful and thanks should be extended to the local organizer, Mr. Takahashi. A small surplus of \$ 500 was anticipated and the State-of-the-Art book, published by Springer, would be released early in 1990. WG 2.2 was investigating the possibility of repeating the Seminar in South East Asia/India in 1990.

There was a possibility that Brazil might host the WG 2.6 State-of-the-Art Seminar on "Databases" which had not been able to take place in India due to a lack of funds.

Mr. Poole gave a briefing on the activities of the Working Groups and their future plans.

The next TC 2 meeting was scheduled for 27-28 August 1990 in Sofia and it was anticipated that, in association with the meeting, there would be a number of lectures in honour of the late TC 2 Vice-chairman, Mr. Ershov/U.S.S.R. The 1991 TC 2 meeting would be held in June in Australia.

In reply to Mr. **Finch's** query re an Attendance Chart, Mr. **Poole** said he was still awaiting information from his predecessor.

TC 3 (EDUCATION)

Mr. Brauer referred to his Annual Report 1988/89 and advised that, effective 1 January 1990, there would be three WG Officer changes:

- Mr. van Weert/Netherlands to succeed Mr. Bollerslev as Chairman of WG 3.1;

Mr. Levrat/Switzerland to succeed Mr. Atchison as Chairman of WG 3.2, and

- Mr. Schmidt/Denmark to succeed Mr. Lovis as Chairman of WG 3.5

He placed on record his sincere thanks to the outgoing Officers for their devoted work.

Regarding "ECCE 88", Lausanne, despite a 40% less attendance than expected, the organizers had nevertheless been successful in yielding to IFIP a surplus of SFr. 35,000. **Mr. Brauer** recalled that a full report on "ECCE 88" had been given at the previous GA Meeting.

The WG 3.5 Workshop on "What should be done with a single computer in a school", May 1989, Sofia had been a great success and the Proceedings would appear as a special issue of the E/N-H Journal "Education and Computing".

A number of events had taken place in Iceland: WG 3.1 WC on "Educational Software at the Secondary Education Level", June 1989 and, in conjunction, the WG 3.1 Annual Meeting, WCCE 90 PC Meeting, etc. These were the first IFIP events to be held in Iceland and it was felt that Iceland might consider applying for Full instead of Corresponding Membership.

TC 3 felt "Education" implied a contact with all the TCs as people from industries and universities were interested in the developments in that field.

Mr. Brauer indicated that several TC 3 representatives had participated in UNESCO activities - as outlined in his Annual Report. One of the major goals of those activities was to get support for WCCE 90 (refer Agenda item 6.2) and to interest UNESCO in concrete work together with the TC 3 WG's. It was planned to hold the next WCCE in 1995 in the United Kingdom.

Mr. Brauer drew attention to the structure changes in respect of WG 3.2 and WG 3.4. Details are to be found under Agenda item 9, Technical Assembly.

In order to intensify the distribution of news about TC 3's activities to leading journals in the field of education and informatics, throughout the world, TC 3 had appointed its first Press Officer in the person of B. Samways, U.K. representative.

In conclusion, **Mr. Brauer** said the next TC 3 meetings would take place 12-13 January 1990 in Western Europe and 8, 13-14 July 1990 in Sydney.

11.3 TC 5 (COMPUTER APPLICATIONS IN TECHNOLOGY)

Mr. Tomljanovich referred to his Annual Report and advised that the 28th meeting of TC 5 would take place on 1 October 1989 in Tokyo in conjunction with "CAPE 89".

TC 5 had lost one member, who had been the Secretary - Mr. Fransson, Sweden. A representative from the U.S.S.R. was sought.

ACTION

Mr. Toaljanovich gave a briefing on the WG's and said the new WG 5.9 (Computers in Food Production and Agriculture) was not very active. Nevertheless, it had planned a very successful Conference in Ghent last year - although there had been a financial loss. The Proceedings were of a high quality, but had not thus far sold very well. The next Conference would be organized in Brazil. Mr. Mitchell/New Zealand said his Society had asked him to express concern regarding WG 5.9. **Mr. Tomljanovich** replied that he had asked Mr. Balasubrahmanian/India and Mr. Iau/SEARCC to assist him in finding a new Chairman. Also, some enthusiastic members needed to be recruited. WG 5.8 (Product Specification and Product Documentation had a new Chairman, Mr. Tipnis, who was trying to better formalize the WG's Scope and Aims.

"CAPE", which started in 1983 and was held every three years involved all the Working Groups. However, TC 5 was trying to organize other events involving a number of the WG's and co-ordination with other TCs. Mr. **Tomljanovich** considered it was essential to establish more inter-action with the other IFIP people.

As TC 5 now had a Cuban representative, there were plans to hold a Conference in that country.

Attention was drawn to the TC 5 Attendance Chart which had been distributed during the GA Meeting.

TC 6 (DATA COMMUNICATION)

Mr. Uhlig referred to his Annual Report 1988/89 and advised that TC 6 had held its 32nd meeting in Aachen, F.R.G., 28-29 April 1989 immediately following the "ISDN in Europe" Conference.

He mentioned the "TC 6 Award" and said TC 6 had decided to hold back for the moment and define what exactly were the objectives. Should the Award go to recent achievements (during last 5-10 years) or to an achievement such as the creation of packet switching?

Mr. Uhlig stated that WG 6.5 had revised its name, Scope and Aims (refer Agenda item 9 Technical Assembly). WG 6.4 (Local Computer Networks) had a new Chairman, Mr. Cabanel, who was now re-vitalizing that Group. WG 6.1 was reviewing its goals. It had launched an electronic newsletter for persons interested in WG 6.1 activities.

He said TC 6 had worked hard to hold events in DCs and to assist them as aptly as possible. "SEACOM 88", October, Indonesia had been very successful with a participation of around 200. It was hoped to arrange for "SEACOM 90" to be held in Brazil at a time close to the GA Meeting in Argentina.

Mr. Uhlig referred to the TC 6 6-Year Plan attached to his Annual Report.

Attention was drawn to the highly successful jointly sponsored TC 6/ICCC Conference "ISDN in Europe", May 89, The Hague. 640 persons had registered for the event of which 240 were Dutch. It was the first Conference to be held following the signing of the European Memorandum of Understanding on the Implementation of European ISDN Service by 1992 and most of the countries which had signed the EMU had been in attendance. The Conference had realized a surplus of well above SFr. 10,000. **Mr. Uhlig** considered the excellent publicity had been a highly instrumental factor of its success.

General Assembly was asked to take good note of the TC 6 Attendance Chart included in the Annual Report.

11.5 TC 7 (SYSTEM MODELLING AND OPTIMIZATION)

Mr. Balasubrahmanian, Cognizant Officer, reported on behalf of Mr. Thoft-Christensen who had had to leave at the end of the Related Meetings.

He drew attention to the TC 7 Annual Report 1988/89 and to Mr. Thoft-Christensen's report to the General Assembly.

The two new Working Groups WG 7.6 and WG 7.7 had been approved (refer Agenda item 9 Technical Assembly).

Mr. Balasubrahmanian announced that, at its July 89 Leipzig meeting, TC 7 had elected Mr. Kail/Switzerland as Vice-chairman of TC 7.

The 14th TC 7 Conference, July 1989, Leipzig had been very successful with a higher attendance than usual - approximately 430 participants. Some 2000 Papers had been presented in a number of parallel sessions.

The 15th TC 7 Conference was scheduled to take place in 1991 in Zurich and France had expressed interest in hosting the 16th in 1993.

It was pointed out that some of the TC 7 WG's preferred to use Springer-Verlag for future publications.

In conclusion, **Mr. Balasubrahmanian** said TC 7 was now well back into operation.

11.6 TC 8 (INFORMATION SYSTEMS)

Mr. Bracchi drew attention to his Annual Report 1988/89 and said TC 8 had just met in San Francisco. The next meeting was scheduled for 11-12 June 1990 in Lisbon.

He gave a briefing on the WG activities and said they were all working in a good way. As mentioned by the TA Chairman, WG 8.1 was discussing a revision of its Scope and Aims.

Mr. Bracchi indicated that results from the publications point of view were very good. TC 8 had made Royalties for 1988 in the region of HF1. 43,000.

There were six Task Groups currently active under TC 8. The TG's worked for approximately 2/3 years and produced reports which served as guidance for TC 8 in its planning.

Mr. Bracchi referred to the three strategic issues he had addressed at the Geneva Council Meeting: the academic domination in TC 8 and its WG's, the European domination and the desire of TC 8 to arrange regularly every two years a World Conference on "Information Systems".

Mr. Bracchi said he had just completed his two terms as TC 8 Chairman and Mr. Davis/U.S.A., the TC 8 Vice-Chairman, would succeed him following the GA Meeting. However, he would in essence continue through year-end.

The **President** thanked Mr. Bracchi for all his devoted work as TC 8 Chairman and General Assembly **APPLAUDED**.

11.7 TC 9 (RELATIONSHIP BETWEEN COMPUTERS AND SOCIETY)

Mr. Sackman announced that he was stepping down as TC 9 Chairman as his second term expired at the close of the GA Meeting and he introduced his successor - Mr. Brunnstein/F.R.G.

He gave an account of the increasing activity in TC 9 over the last years and drew attention to the two new Working Groups which had just been approved - WG 9.4 and WG 9.5 (refer Agenda item 9 Technical Assembly).

TC 9's main event was the "HCCE" and the fourth one was planned for July 1989 in Dublin.

Mr. Sackman advised that Mr. Fuchs-Kittowski had been re-elected WG 9.1 Chairman for a second term.

WG 9.3, concerned with Home Oriented Information and Telematics -HOIT, was planning to put together a World Conference in that area.

TC 9 had had its first event in Australia - a WC on "Shaping Organizations, Shaping Technology - SOST 89" which had taken place in May in Sydney. The quality of the Papers and the response from the participants had been quite successful. The general idea was that

technology should serve the needs of people in the organizations rather than the other way around and was aimed at practitioners. TC 9 would receive support in order to undertake a second Conference. The pros and cons had been reviewed, the idea approved, and it would take place in August 1991 in Brisbane.

Mr. Sackman gave a briefing on the various Task Groups which were experimental prototypes of WG's. For example, the TG on "Social Implications of Computers in DCs" had just been approved as a Working Group - 9.4.

Regarding the TC on "Law", an Advisory Committee had been set up in WG 9.2 to look at alternative ways of entering into that area. The Committee had established significant-contacts and had a fundamental recommendation: that the newly-formed International Federation of Computer Law Associations (including Belgium, France, F.R.G., The Netherlands, Norway, Sweden, Australia and Latin America) seek Affiliate status with IFIP. TA had favourably received the proposition. **Mr. Glaser** felt that other, similar Federations should also be taken into consideration.

In his farewell address to the General Assembly, after six years as TC 9 Chairman, **Mr. Sackman** expressed his heartfelt appreciation of the encouragement and support TC 9 and he had received from all levels in IFIP. He also thanked all the TC 9 and WG Members and wished his successor, Mr. Brunnstein, every success in the continuation of TC 9's goals.

11.8 TC 10 (COMPUTER SYSTEMS TECHNOLOGY)

Mr. Reijns referred to his Annual Report 1988/89 and gave a briefing on the events organized by the TC 10 Working Groups.

He advised that Mr. Darringer had succeeded Mr. Hartenstein as Chairman of WG 10.2 and underlined the latter's keen leadership. The WG 10.5 Chairman, Mr. Hörbst, had been succeeded by Mr. Musgrave. Under the competent leadership of Mr. Hörbst, WG 10.5 had become very active. Two Vice-chairmen had been elected for WG 10.5, namely: Messrs. Ohtsuki and Saucier, and the Secretary, Mr. Newman, had been succeeded by Mrs. Michel.

Mr. Reijns addressed the financial side and stated that TC 10 had brought approximately SFr. 22,000 into IFIP during the reporting period.

11.9 TC 11 (SECURITY AND PROTECTION IN IP SYSTEMS)

Mr. Caelli presented his report and said that, since he had taken over the Chairmanship last year, he had noticed a slow-down of activity. However, it had to be borne in mind that many of the people involved in TC 11 and its WG's were business people and not necessarily involved in academical issues. Nevertheless, he hoped to see some activity developed in "Open Systems Interconnection" in relationship with ISO.

He drew attention to the IFIP/Sec Conferences: 1990/Finland, 1991/U.K., 1992/Singapore and 1993/Japan or F.R.G.

Mr. Caelli commented on the Working Groups:

- WG 11.1 (Security Management) - TC 11 was ascertaining whether this Group could be restarted or whether it should be disbanded.
- WG 11.2 (Office Automation) - had been dormant for the last two years and would be reviewed.
- WG 11.3 (Data Base Security) - was showing signs of building up strength.
- WG **11.4** (Crypto Management) - difficulties in respect of travel funds sponsoring which rendered WG meetings almost impossible.

WG 11.5 (Audit and Control - previously Systems Integrity and Control) - the new Chairman, Mr. Moeller, hoped to organized a WG meeting during the course of 1990.

WG 11.7 (Legislation - previously Computer Security Law) was being formed and should be active by 1990.

Mr. Caelli addressed the need for an international agreement on cipher systems for the creation of secure international information systems and, in particular, "Electronic Data Interchange (EDI)".

Discussion had taken place with TC 9 regarding the possibility of joint meetings related to "Computer Control and Management".

"Computer Viruses" - refer to Agenda item 9, Technical Assembly.

12. COMMITTEE REPORTS

12.1 ADMISSIONS COMMITTEE

Mr. Iau drew attention to his report and commented on the Polish and Greek situation (other parties were interested in Membership in IFIP). The National Computer Society of Andorra (CNIA) had expressed interest in becoming a Corresponding Member, but the matter was still in abeyance.

The IFIP Swedish Member (Swedish Society for Information Processing) had agreed to form a new umbrella organization with the Swedish Data Processing Union - to be named the Swedish International Federation for Information Processing (SIFIP).

General Assembly **APPROVED** the name change, with one abstention.

12.2 CONGRESS GUIDELINES COMMITTEE

Mr. Alvarez-Rodriguez presented his report (GA San Francisco 89/ CGC-1) and advised that the Congress Guidelines had been retyped and were now available in a magnetic version which would be used to produce a book-format version within the next six months. ACTION

Several Chapters, nevertheless, still had to be completed - e.g. the financial reporting procedure was being" drafted and a first version would be presented at the next Council Meeting. ACTION

The Programme Committee chapter would be revised once an agreed format on the Programme contents had been established. ACTION

12.3 DEVELOPING COUNTRIES SUPPORT COMMITTEE

Mr. Penedo said DCSC would try to help any country; however, its priority for future activities would concern the Latin American, African, Mediterranean, Pacific and South East Asian regions.

DCSC intended to support a Regional Conference in Africa in 1990 in collaboration with the Computer Society of Zimbabwe.

Regarding the gift to DCSC of North-Holland books, **Mr. Penedo** said they had finally been released by the Lisbon customs authorities and he would arrange for their distribution. In that respect, General Assembly **AGREED** to allocating DCSC an amount of SFr. 8,000 for handling charges and up to SFr. 8,000 for mailing costs - to be paid from the DCSC Development Fund.

General Assembly **APPROVED**, 29 in favour, 2 objections and 2 abstentions, that the DCSC Chairman would be an ex-officio member of the Activity Management Board.

12.4 FINANCE COMMITTEE

Mr. Verrijn-Stuart referred to his Annual Report 1988/89 and gave a briefing on policy points for consideration. The Council, at its Geneva Meeting, had favoured the proposition of raising the Membership Dues by approximately 5% in three stages - i.e. for the years 1990, 1991 and 1992. He had written to all GA Members in that respect (refer document FC-1).

General Assembly **ADOPTED**, 28 in favour, 4 objections and 2 abstentions, that the Membership Dues applicable to the years 1990 - 1992 be adjusted by approximately 5% for each of those years. ACTION

Mr. Verrijn-Stuart addressed the topic of Dues reclassification of IFIP Member Societies (refer document FC-2).

Attention was drawn to document FC-3 "Procedure for Budget Requests/ Approval/Control". FC recommended that the items clearly described therein be recognized by all parties with responsibilities. ACTION

Mr. Verrijn-Stuart presented document FC-4 "Management of IFIP Investments" and recalled that FC had submitted a proposal - at **the** Geneva Council Meeting - for the management of IFIP's investments which had been adopted. Mr. Melbye, Vice-President responsible for financial matters, had contacted the bank holding IFIP's portfolio (Swiss Bank Corporation, London) in order to ascertain whether the current mandate was adequate, etc. **Mr. Melbye** drew attention to document TREAS-6 outlining his findings and recommendations, namely that the investments with SBC comprise three categories:

- a freehand portofolio of international bonds, rated in the AA or AAA category or their equivalent, and administered by the bank on a discretionary basis under the requirement that maximization of the yield was measured in Swiss Francs;
- a set of non-discretionary term'deposit accounts in Swiss Francs for a minimum of one and a maximum of twelve months;
- a non-discretionary current account in Swiss Francs.

He outlined the organizational structure which involved the Finance Committee, FC Chairman, Treasurer and Administrative Manager.

General Assembly unanimously **APPROVED** the recommendations.

Mr. Verrijn-Stuart presented document FC-5 "Guidelines for Surplus Sharing".

General Assembly unanimously **APPROVED** the recommendation that no IFIP activity of any kind be undertaken without an explicit Memorandum of Agreement (or Contract, as appropriate) being considered between IFIP and the organizers in question.

General Assembly **APPROVED**, with one abstention, the recommendation that the terms for sharing any surpluses or deficits always be considered and recorded beforehand, as appropriate. ACTION

Two recommendations referring to an 'IFIP Conference Fee' and 'Surplus Ranges', as outlined in FC-5 points 3 and A, were withdrawn, but the **President** stated that the Activity Management Board should take into consideration the thoughts and discussions generated by those points. ACTION

In conclusion, **Mr. Verrijn-Stuart** drew attention to document FC-6 which commented on the IFIP Budget 1990 (as presented earlier by the Treasurer). FC recommended that particular attention be paid to items of service that were directly related to productivity, e.g. communication (such as the IFIP Bulletin).

12.5 IFIP COMMITTEE FOR INT. LIAISON

Mr. Tanaka presented his report (GA San Francisco 89/ICIL-1) and advised that no extraordinary situations had taken place during the past year in respect of liaison activities with other international organizations.

12.6 IFIP-UNESCO LIAISON

Mr. Fourot addressed the question of the UNESCO-IFIP Contracts and recalled that \$ 8,000 had been granted to Congress 89 to support registration fees and subsistence of certain DC delegates.

IFIP should negotiate with UNESCO in respect of 1990 and **Mr. Fourot** said he was awaiting suggestions from the TCs. He had been approached to obtain support for "HCC 4", Dublin.

Regarding UNESCO's Intergovernmental Information Programme (IIP), **Mr. Fourot** stated he had been in constant contact with the IIP Secretary, Mr. Mentalecheta, who was Head of the Informatics Section of UNESCO. IIP needed technical support and trusted that IFIP could assist with project evaluation and execution; there would be some funding available. **Mr. Sendov**, an IIP Vice-President, underlined that IFIP was highly recognized and he would attempt to enrol IFIP expertise for the projects under consideration.

12.7 INTERNAL AWARDS COMMITTEE

Mr. Fourot referred to the documents he had mailed out to GA Members and TC Chairmen on 3 August 1989, namely - the Silver Core 1989 Nominations, the Outstanding Service Award 1989 Nominations, an update of the Silver Core Eligibility Rules and an update of the Outstanding Service Award Objectives and Rules.

The SC Nominations had been announced by the President at the end of the Congress. He advised the General Assembly that the name of Mr. Yau had been included. (Refer to Annexe I).

General Assembly **APPROVED** the Silver Core Nominations with two abstentions .

Regarding the Outstanding Service Awards, General Assembly unanimously **APPROVED** the TC 6 Nominations - Messrs. Boyanov, Boutmy and Spratt.

General Assembly **APPROVED**, with two abstentions, the TC 9 Nomination -Mr. Bhatnagar. Following discussion and Mr. Brunnstein's fervent recommendation, General Assembly unanimously **APPROVED** the Nomination of Mrs. Cameron. However, General Assembly **REJECTED** the Nomination of Mr. Clarke - no-one in favour, six objections and thirty abstentions.

12.8 **MARKETING COMMITTEE**

As Mr. Le Roux had been unable to attend the San Francisco Meetings, Mr. Iau had been requested by the President to Chair the MC Meeting and report on behalf of MC.

Mr. **Iau** outlined the MC discussions - Low Cost Publications, Newsletter, IOS, Computer Olympiads, Seminars, Press Statements, etc.

MC had felt there was validity in the belief that lower costs of IFIP publications could increase sales and thus enhance the cause of IFIP.

MC considered that further investigation should be undertaken on the feasibility of including news on IFIP activities in Computer ACTION monthlies.

IOS was building up a significant list of international journalists who could eventually be supplied with pertinent information on IFIP activities, projects, etc.

Mr. **Iau** said MC considered there was merit in IFIP initiating Olympiads, which could be tied in with World Congresses; however, they should be business-oriented as opposed to the current practice of addressing the school children community.

General Assembly unanimously **APPROVED** the foregoing consideration. ACTION

Mr. Iau pointed out that MC had lengthily discussed the issue of IFIP developing Seminars; however, it had been noted that there was an increasing growth of professional Seminar organizers and various questions had arisen in view of the fact that IFIP's activities were handled by volunteers. Mr. Glaser ventured that IFIP could probably work with an existing organization and make suggestions as to speakers, etc. In the final analysis, the General Assembly did not take any positive stand.

MC suggested that a Press Statement be prepared and issued to relevant public media at the conclusion of an IFIP event; also, that the Statement include a final paragraph covering a brief description of IFIP and its activities. MC would follow up on that matter and institute a mechanism. ACTION

12.8.1 IFIP Newsletter

Mr. **Rosenfeld** presented his report (GA San Francisco 89/NL-1) and advised that the Newsletter was almost six years old; 25 issues had been published. Currently, the main mailing comprised approximately 3,200 copies. Additionally, the IFIP Secretariat sent out other copies, as appropriate, and made available to IFIP Conference organizers certain batches upon request. **Mr. Rosenfeld** pointed out that the Secretariat pre-advised Conference organizers of the Newsletter availability.

As Mr. Glaser was leaving IFIP, **Mr. Rosenfeld** wished to put on record his extreme gratitude to him for his ardent involvement by means of suggested editing, careful proof-reading, detailed corrections, etc.

The General Assembly again **THANKED** and **APPLAUDED** Mr. Rosenfeld for his time-consuming and valuable efforts in producing the IFIP Newsletter which had become widely acclaimed.

12.9 PUBLICATIONS COMMITTEE

Mr. Verrijn-Stuart drew attention to his Annual Report 1988/89 and to document (GA San Francisco 89/PC-1).

PC had met just prior to the GA Meeting and representatives from both Elsevier and Springer had been present and given extensive reports. A Memorandum of Agreement had finally been drawn up between IFIP and Springer and duly signed.

Mr. Verrijn-Stuart commented on the Royalties situation and stipulated that IFIP needed a much wider circulation of its publications in order to generate further income. From 1991 onwards, IFIP must have a different approach to the kind of books it intended to produce. The general objectives were: visibility (of IFIP); high quality (as perceived by others); low-pricing (insofar as feasible) and substantial revenue (to IFIP).

Mrs. Duncan mentioned that there had been professional taping of the Congress 89 Panels which could lead to Royalties. The **President** agreed to a one-page insert going into the next IFIP Newsletter to advertise the cassettes.

ACTION

Mr. Verrijn-Stuart addressed the various problems Elsevier had faced in trying to produce a number of foreseen Proceedings - e.g. no editor identified, no contract, no manuscript, etc. He considered IFIP would have much trouble with other publishing companies if it carried on in that manner. **Mr. Rolstadas** underlined the enormous amount of work involved in dealing with manuscripts and contracts and felt the efforts of Elsevier and the Publications Officer, Mrs. Duncan, should be recognized.

A long discussion took place on various mechanisms which could be used to alleviate such problems. Finally, the **President** moved that responsibility be placed on the Cognizant Officers to see that publication matters were dealt with expeditiously once the necessary materials were available.

General Assembly **ADOPTED** the motion with one abstention.

ACTION

Mr. Verrijn-Stuart stated that IFIP had entered into an agreement whereby material from one-year old IFIP copyright publications had been printed very cheaply and distributed in India. The low-priced monographs had turned out to be most successful and modest Royalties had accrued, in Rupees, which were being retained by the Computer Society of India (CSI) to support further activity in that country. CSI now requested that the initiative be carried out as a regular activity. PC recommended that GA approve the request of CSI for all cases where no other obligations prevented IFIP from acceding to it.

General Assembly unanimously **APPROVED** the recommendation.

Mrs. Smit drew attention to her Elsevier/North-Holland document and commented on the Status Report, Procedures, Promotion, Royalties, Book Reviews and the Congress 89 Proceedings.

Mr. Verrijn-Stuart said he could not have carried out his role as PC Chairman without the work and outstanding support of the Publications Officer, Mrs. Duncan, who, he regretfully recalled, was leaving the function. The **President** added his appreciation and General Assembly **APPLAUDED** Mrs. Duncan.

12.10 SITE EVALUATION COMMITTEE

Mr. Alvarez-Rodriguez referred to his report (GA San Francisco 89/SEC-1) and advised that three proposals had been received to host the 1994 Congress, namely from China (Beijing), F.R.G. (Hamburg) and Finland (Helsinki and Espoo). Hamburg and Helsinki/Espoo had been visited by members of SEC and the reports on those visits were contained in document SEC-2. Due to financial restraints, SEC had not been able to visit Beijing. Document SEC-3 gave a financial comparison.

Excellent presentations were made by two of the bidders - Mr. Brauer/F.R.G. and Mr. Tienari/Finland who were warmly congratulated by the **President** and **APPLAUDED** by the General Assembly.

General Assembly **VOTED** in favour of Hamburg (20) to host IFIP Congress 84. Helsinki/Espoo 13 votes.

12.11 STATUTES AND BYLAWS COMMITTEE..

Mr. Bobillier presented his report (GA San Francisco 89/SBC-1) which included a few changes proposed by SBC following suggestions received from GA Members on the draft of the updated Statutes and Bylaws version mailed out to them on 24 July 1989.

General Assembly **APPROVED**, with one abstention, to adding the following paragraph to Statute 4.1.3 "The term 'simple majority' is defined as a majority of those who vote in favour of the motion over those who vote against it."

General Assembly unanimously **APPROVED** adding as a first line to Bylaw 1.1 "a) fundamentals of IP, such as: - Theoretical foundations."

General Assembly **APPROVED**, with one abstention, replacing the text of Bylaw 3.3 by the following:

"3.3 Nomination of Officers and Trustees

Nominations Committees, consisting of at least three Members each, shall be designated by the President during the General Assembly Meeting preceding the meeting at which the election is held..

The Nominations Committees must provide candidates if too few candidates are otherwise proposed. The nominations will consist of:

- a) proposals supported by four Full Members, and
- b) nominations made by the Nominations Committee.

Each Committee must inform the General Assembly of the nominations by mailing them at least forty days in advance of the General Assembly Meeting.

New candidates nominated from the floor during the election session must be supported by a least four Full Members."

Mr. Penedo moved an amendment to point a) - namely, that 'four Full Members' be changed to 'three'.

General Assembly **REJECTED** the motion - 7 in favour, 15 objections and 1 abstention.

General Assembly unanimously **APPROVED** replacing the last sentence of Bylaw 3.7 by: "AMB is authorized to provide a loan or a grant to an activity Organizing Committee subject to the limit of the approved budget."

General Assembly unanimously **APPROVED** the following Bylaw 4.1.3 change:

"The Authority of the Technical Assembly is specified in its Charter as approved by the General Assembly. It includes the establishment and dissolution of WG's, the regular review of the activities of Technical Committees and WG's together with their Aims and Scope; the identification of new fields of activity relevant to IFIP and the recommendation of the best ways of interfacing with the activities of our Affiliate Members."

General Assembly unanimously **APPROVED** the following change to Bylaw 4.3.7: "A Working Group may be established by the Technical Assembly (instead of GA) ..."

General Assembly unanimously **APPROVED** that Bylaw 4.4.1 be replaced by the following:

"To manage IFIP technical activities a Body named Activity Management Board (AMB) is established. The Chairman, who will normally be a Vice-President, is appointed by the President. The Members will be two TC Chairmen, a representative of an Affiliate Member and at least three General Assembly Members. Executive Board Members will be Members of AMB ex-officio as will be the DCSC Chairman and the Activity Secretary."

Mr. Bobillier advised that SBC had also made several editorial changes which improved the clarity of the text, but did not modify its meaning. The suggested modifications had been supported by the Council.

General Assembly unanimously **APPROVED** the revised text.

The **President** thanked Mr. Bobillier and his Committee for the great deal of work undertaken to produce an amended version of the Statutes and Bylaws.

12.12 COMMISSION FOR THE HISTORY OF IFIP AND IP

Mr. Zemanek drew attention to the biographical forms to be filled out - which he had distributed on several occasions. Unfortunately, the GA Members had not replied and he urged them to co-operate. ACTION
He referred to the First Working Conference on "History of Computing in Europe", organized by the Commission and the Hungarian Member Society, scheduled for October 1990 in Budapest.

12.13 EXTERNAL AWARDS

The **President** recalled that IFIP had wished to establish a prestigious award, but had not been successful in obtaining the necessary financial support.

Notwithstanding, the Swedish Nobel Prize Authorities had been approached by ACM to support such a proposal with the term "Informatics".

The Executive Board had considered that that was the most sensible course of action and General Assembly **CONCURRED**.

13. AFFILIATE MEMBERS

13.1 IAPR

Mr. Fourot drew attention to the IAPR Annual Report 1988/89 of Mr. Devijver.

13.2 IASC

Mr. Fourot drew attention to the IASC Annual Report 1989/89 of Mr. Brosveet.

13.3 ICCC

Mr. Fredriksson spoke on behalf of ICCC and proffered the apologies of its representative, Mr. Enslow, who unfortunately could not be present.

He referred to the ICCC Annual Report 1988/89 and said "ICCC 90" would be held in New Delhi, 5 - 9 November 1990 and "ICCC 92" in Geneva, 27 September - 2 October 1992.

Mr. Fredriksson remarked that, following the highly successful Conference on "Computer Communications for DCs (CCDC 87)", New Delhi, there had been a strong interest in continuing the series and "CCDC 89" would take place the following week. Agreement had been reached to hold "CCDC 91" as a joint IFIP (TC 6)/ICCC event in Tunis in May 1991. He advised that "CCDC 92" was planned for the week commencing 27 September 1992, just after IFIP Congress 92.

Mr. Fredriksson stated that, starting in 1993, ICCC would move away from planning its major Conferences in even years to avoid conflict with IFIP. The **President** expressed his appreciation of that fact and asked Mr. Fredriksson to pass on to the ICCC Executive Board Members IFIP's thanks for their continued support. ACTION

13.4 EUROMICRO

Mr. Fourot announced that no Annual Report nor any information had been received.

13.5 FACE

Mr. Marshall represented Mr. Bridges, the GA FACE representative, who had been elected President of the Federation. He, himself, had been elected Treasurer. Japan and Israel had become Members of FACE.

From his observations at **the** Technical Assembly meeting, it appeared that IFIP had a wide gap with practitioners. FACE Members **were** most

certainly practitioners and **Mr. Marshall** felt it was FACE'S responsibility to keep its Members advised of IFIP activities and thus help to narrow the gap. The new IFIP TC **13** "Human-Computer Interaction" offered an excellent opportunity for involvement with FACE. He had already spoken with its Chairman, Mr. Shackel.

Mr. Marshall considered that IFIP did not necessarily have to change its World Congresses format if the purpose was to attract more practitioners. Perhaps more practitioners could be involved in the Programme and more publicity directed towards professional societies which represented practitioners. FACE could, and would be willing, to assist future Programme Committees.

The **President** thanked Mr. Marshall for representing FACE at the GA Meeting and recognized the value of his suggestions.

13.6 IJCAII

Mr. Fourot drew attention to the IJCAII Annual Report 1988/89 of Mr. Walker.

13.7 VLDB ENDOWMENT

Mr. Bracchi drew attention to the Annual Report 1988/89 of Mr. Bubenko and advised that the 1990 VLDB Conference (originally planned in China) would now take place on the Gold Coast, Australia in August. The 1991 Conference was scheduled for Barcelona, Spain. Participation in the Conferences averaged between 600 to 800 persons. **Mr. Bracchi** underlined the quality of the submitted Papers (approx. 200 -300) was very good and the Conferences, of high acumen, enjoyed continuing success.

13.8 IMIA (in transition from a SIG)

Mr. Melbye, Cognizant Officer, presented Mr. Kaihara's Annual Report 1988/89. The latter was tied up with the arrangements for "MEDINFO 89" which would now take place in two parts: October/ Beijing and December/Singapore on account of the situation in China. IMIA's 1989 Annual Meeting would be held in Singapore in conjunction with the second part of "MEDINFO 89". The Chinese organizers had approved the split and SEARCC was to be thanked for arranging the Singapore part at short notice. Mr. Iau was the OC Vice-chairman in that country.

"MEDINFO 92" would take place in Geneva, Switzerland and Mr. Scherrer was the OC Chairman.

Mr. Melbye underlined that the World Health Organization had been supporting and would continue to support IMIA activities and the **MEDINFO's**.

In regard to IMIA's relationship with IFIP, following final approval at its December 1989 AM, IMIA would become an Affiliate Member of IFIP and utilize certain services of the IFIP Secretariat, on a fee-paying basis, from 1990. Mr. Scherrer would be the IMIA liaison contact with the IFIP Secretariat as he was also based in Geneva.

Mr. Melbye drew attention to Appendix 5 of Mr. Kaihara's report - Statement of Income and Expenses for the year ended 31 December 1988. It was encouraging to note that IMIA had finally received its share of the "MEDINFO 86" surplus and thus had realized a surplus for 1988 of SFr. 71,384.

14. IFIP's MISSION

The **President** introduced the subject, and the document prepared by Mr. Morris was duly debated.

Following certain amendments, General Assembly unanimously **APPROVED** the following text:

quote

General Statement

IFIP's mission is to be the leading, truly international, apolitical organisation which encourages and assists in the development, exploitation and application of Information Technology for the benefit of all people.

Our Mission in Detail

Principal Elements

1. To stimulate, encourage and participate in research, development and application of Information Technology and to foster international cooperation in these activities.
2. To provide a meeting place where national IT Societies can discuss and plan courses of action on issues in our field which are of international significance and thereby to forge increasingly strong links between them and with IFIP.
3. To promote international co-operation directly and through national IT Societies in a free environment between individuals, national and international governmental bodies and kindred scientific and professional organisations.
4. To pay special attention to the needs of developing countries and to assist them in appropriate ways to secure the optimum benefit from the application of IT.

5. To promote professionalism, incorporating high standards of ethics and conduct, among **all** IT practitioners.
6. To provide **a forum** for assessing the social consequences of IT applications; to campaign for the sage and beneficial development and use of IT and the protection of people from abuse through its improper application.

More specific elements

7. **To** foster and facilitate co-operation between academics, the IT industry and governmental bodies and to seek to represent the interests of users.
8. To provide a vehicle for work on the international aspects of IT development and application including the necessary preparatory work for the generation **of international** standards.
9. To contribute to the formulation of the education and training needed by IT practitioners, users and the public at large.

unquote

15. MEMBER SOCIETIES REPORTS

Mr. Alvarez-Rodriguez referred to his report and advised that 20 Member Societies had submitted reports (Argentina, Australia, Austria, Egypt, Finland, F.R.G., France, G.D.R, Hungary, India, Israel, Japan, New Zealand, Norway, South Africa, Spain, Sweden, Switzerland, U.S.A. and Zimbabwe).

The reports were full of interesting facts and experiences **and**

Mr. Alvarez-Rodriguez urged all GA Members to read same and alert their respective Societies of initiatives/activities undertaken by others. ACTION

A recurring suggestion to IFIP was the development of stronger involvement in the field of computers and disabled people. Also, that IFIP include the establishment of education programmes which would enable IFIP experts to transfer their knowledge to the less-developed countries, and the commitment of TCs to hold meetings in those countries on a regular basis.

Mr. Alvarez-Rodriguez moved that TCs encourage WG members and other IFIP technical experts interested in giving talks when visiting foreign countries - especially less-developed countries - to contact National representatives at GA in advance expressing their interest, together with a brief resume and abstract(s) of proposed talk(s).

General Assembly unanimously **ADOPTED** the motion.

ACTION

16. FUTURE MEETINGS

Mr. Fourot advised that the next Council Meeting would take place in Jerusalem from 5 through 9 March 1990.

The 1990 General Assembly Meeting was scheduled for 2-7 September in Buenos Aires.

Council Meeting 1991 would take place in Barcelona; the dates had to be finalized, but it would probably be the first week of March.

As to the 1991 General Assembly Meeting, Zimbabwe had graciously offered to host same and **Mrs. Whiley** confirmed that the first week of September would be acceptable.

General Assembly ACCEPTED the invitation of Zimbabwe with two abstentions.

The President expressed his gratitude to Mrs. Whiley and the Computer Society of Zimbabwe. Mr. **Sendov** considered that IFIP should arrange some pre- and post- activities for Zimbabwe and the surrounding region. ACTION

17. OTHER GENERAL ASSEMBLY BUSINESS

The President touched on the subject of the previously-discussed issue of 'Personal Membership'. It had been finally felt that PM's would not be so beneficial for IFIP and a better strategy would be for Member Societies to encourage more participation in Technical Committees and Working Groups. ACTION

18. CLOSING OF THE MEETING

Mr. Funk, President of AFIPS, and Mr. Auerbach, Honorary Member, gave addresses.

The **President**, in handing over the gavel to his successor, Mr. Sendov, gave a precis of IFIP's activities, attempts and achievements during the past years. He particularly drew attention to the new TCs and WG's which had been established and to the organizational changes which had resulted in the creation of the Technical Assembly. The **President** thanked everyone for their valuable support during his tenure of office.

Mr. Sendov expressed IFIP's appreciation of the President's ardent efforts and devotion, and highlighted the importance of IFIP's presence in the community.

General Assembly **APPLAUDED** the outgoing President, Mr. Goldsworthy, and the incoming President, Mr. Sendov.

The Meeting was declared closed.

SILVER CORE NOMINATIONS 1989

GENERAL ASSEMBLY

A. BALASUBRAHMANIAN	GA 84-89	
P. KOVACS	GA 84-89	
L. PENEDO	GA 83-89	PC C89

TECHNICAL COMMITTEES / WORKING GROUPS

MS FEATHER	WG 2.1 Seer 82-89
JJ HORNING	WG 2.3 Chmn 82-88
WM WAITE	WG 2.4 Chmn
LD FOSDICK	WG 2.5 V-Chmn 79-82 Chmn 89 Ed 87
JR RICE	WG 2.5 V-Chmn 82-88 WG 2.6 Chmn
R. MEERSMAN	83-89 Ed 86 88 WG 2.7 V-Chmn
C. GRAM	82-89 TC3 V-Chmn 86-89 WG 3.1
P. BOLLERSLEV	Chmn 83-89 WG 5.2 Chmn 83-88 TCS
K. BO	S»cr 83-89 WG 5.3 V-Chmn 83-89
LH FRANSSON	WG 5.3 Seer 83-89 Ed 86 87 88
L. NEMES	WG 5.7 V-Chmn 83-89 WG 5.7 S»cr
JF Mc WATERS	83-89 WG 5.8 Chmn 83-88 6.1 Chmn
G. DOUMEINGTS	82-88
S. AUGUSTIN	6.1 Chmn 88-89 Ed 82 83 84 87
G. MUSGRAVE	7 V-Chmn 83-86 Chmn 86-88
C. SUNSHINE	7.1 Chmn 84-89
H. RUDIN	WG 7.3 Seer 82-83 Chmn 84-
M. LUCERTINI	WG 88
I. LASIEKA	TC WG 7.3 V-Chmn 84-88 Chmn 88-
KC SEVCIK	WG 89
M. REISER	WG TC8 V-Chmn 84-89
GB DAVIS	WG 8.1 Seer 82-89
J. BUBENKO	WG 8.3 Chmn 88-89 Ed 82 82 83 86
HG SOL	TC10 Chmn 86-89
GL REIJNS	WG 10.3 Chmn 82-86
MH BARTON	WG 10.3 Seer 83-89 Ed 87 88 88
.	WG 10.5 Chmn 85-89 Ed 86 WG
E. HOERBST	10.5 S«cr 83-89 WG 11.4 Chmn
MJ NEWMAN	95-89 Ed 83 88 IMIA Treas
V. FAK	83-89
J. FLINT	

WORLD CONFERENCES AND EDITORS

H. GALLAIRE	PC C86	PC C89
G. RITTER	Ed C89	
S. MANDIL	MED INFO 83	Sc 89
JL WILLEMS	MED INFO 83 &	86
M- DIAZ	Ed 85	86
P. THOFT-CHRISTENSEN	Ed 83	87
SS. YAU		OC C89