

IFIP

Minutes of Council and General Assembly meetings

24 – 27 October 1972

SOFIA / BULGARIA

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COUNCIL MINUTES

COUNCIL MEETING

Sofia, Bulgaria - 23 – 24 October 1972

ATTENDANCECOUNCIL Members Present

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

COUNCIL Members Absent

R. Moreno-Diaz	Trustee
I. Plander	Trustee

Invitees Present

F.L. Bauer (only 23.10.)	Chairman, Artificial Intelligence Committee
P. Dular (only 24.10.)	Congress 71 Executive Committee
L. Iliev (only 23.10.)	General Assembly Member from host country (Bulgaria)
M. Osredkar	Congress 71 Executive Committee
P. Renard	Chairman, Admissions Committee
P. Svenonius (only 24.10.)	Chairman, Congress 74 Organizing Committee
W.L. van der Poel (only 24.10.)	Chairman, Finance Committee
T. Wikland (only 24.10.)	Congress 74 Organizing Committee

In attendance

M.C. Ashill	British Computer Society
Miss Erika Bosshard	Secretary to P.A. Bobillier
G. Kögl	Assistant to Mr. Zemanek
Mrs. S. Prato	Administrative Secretary

1. CALL MEETING TO ORDER

The President opened the Council meeting and welcomed all participants and observers.

2. MOTIONS ON AGENDA AND APPROVAL

Council unanimously APPROVED the Agenda of the meeting.

3. REVIEW OF LAST MINUTES

Council unanimously APPROVED the minutes, C1-Vienna-72.

4. EXECUTIVE BODY REPORT

Mr. Bobillier informed Council of the decision to put WHO on the distribution lists of all Technical Committees and IAG.

The President requested that IAG submit more information on their activities to the Secretary and himself.

Mr. Duyverman was in accordance.

Speaking of the Annual Report, Mr. Bobillier stated that the philosophy behind this report is that it be distributed in August for General Assembly consideration before the meeting. In this way, reports submitted to the General Assembly meeting would be more concise. It had been difficult to assemble this first Annual Report as not all reports were submitted in advance.

Mr. Harder presented the following reports: T-1 – Audit Report; T-2 – 1972 Interim Accounts to July 31; T-3 – Record of IFIP loans and grants Active in 1971 and 1972; T-4 – New Dues Situation; T-6 – Financial Summary (updated to September 15, 1972); T-7 – Financial Forecast; T-8 – 1973 Budget.

A detailed resume´ of these reports is found in the General Assembly Minutes.

Council unanimously RECOMMENDED that General Assembly approve the reports.

5. TC's AND SIG

There were no particular problems regarding Technical Committees which needed to be discussed in Council.

Referring to IAG, Mr. Sem-Sandberg noted the two problems as being the establishment of an IAG legal entity in the Netherlands, and the cash flow situation.

Regarding the legal entity, it was noted that IAG partners wished this to be established. A corporation may be a better form than a foundation but up until the present time, no concrete information was available.

The President asked for details concerning the agreement between IAG and the Studiecentrum.

Mr. Duyverman indicated that the Studiecentrum could no longer assure the cash flow of IAG, and as there was no written agreement, a solution had to be found before 1 February 1973.

Mr. Douglas presented the document (C2-Sofia-72, Draft on IAG Secr), the detailed resume´ of which is to be found in the General Assembly Minutes.

Council unanimously RECOMMENDED that General Assembly approve the report.

Speaking of IAG desks, Mr. Duyverman stated that the first desk would be set up in Hungary as of 1 January 1973. A desk was also to be established in Indonesia.

Council requested that IAG present the report which was requested several times and which would clearly indicate the objectives, structure, operation and other details of the planned IAG desks.

Mr. Tanaka felt that the idea of desks was a good one, but stressed that the General Assembly must be consulted.

Mr. Duyverman agreed to submit the rules for IAG desks to Council members in writing before the end of 1972.

6. COMMITTEE REPORTS

6.1 FINANCE COMMITTEE

The Finance Committee had no information to present to Council at this point. However, a report was submitted to the General Assembly (please refer to General Assembly Minutes).

6.2 CONGRESS 71

Mr. Osredkar presented the report, C.71 OC-1, which consisted of a Financial Report on IFIP Congress and Exhibition 71 and the Final Report of IFIP Congress and Exhibition 71 (Refer to the resume´ of this report in the General Assembly Minutes).

Mr. Harder expressed his satisfaction as the Treasurer of IFIP, with the manner in which Congress finances had been handled. The final accounts were very close to the Budget agreed upon in Atlantic City.

The President congratulated the Organizing Committee for their good results.

Mr. Sem-Sandberg wished to have as much material as possible conserved for use at Congress 74 scheduled to be held in Stockholm.

Mr. Osredkar noted that such material as flags, etc. belonged to Magistrat, but that two Magistrat people had had discussions in Stockholm concerning this material. The matter was not yet entirely resolved.

The President requested that a list of material still available be prepared.

The President asked for information on the amounts still to be paid to the Congress 71.

Mr. Osredkar indicated that the amount of \$8,094 was still owed by debtors.

The President requested that a photocopy of each set of correspondence and bills sent to these debtors be sent to the relevant General Assembly Member. He requested that the General Assembly Members concerned do all possible to have these bills paid rapidly.

Mr. Osredkar noted that reminders had been sent in the period March – September 1972 and that the last invoice was sent to each of the debtors by telex in September.

Summarizing the situation, Mr. Harder indicated that the surplus was \$3,616. Presently a total of \$13,616 had not yet been transferred to the IFIP Treasurer due to cash being in Ljubljana and to unpaid bills for exhibition space. As noted above, reminders had been sent with a copy to the relevant General Assembly Member.

Mr. Douglas wished to know if the cash amount currently held by Magistrat could be transferred to the IFIP bank account in Geneva.

Mr. Osredkar indicated that this would be done after the meeting. However, the situation still remained that even though Magistrat would return the guarantee of \$10,000, there was no guarantee that the \$3,616 surplus would be also given to IFIP, due to the remaining debtors.

Mr. Tanaka felt that the Organizing Committee 71 was being too gentle with respect to the remaining debtors outstanding 15 months after the Congress. He felt that each relevant General Assembly Member should take action to provide an answer as rapidly as possible.

Mr. Harder suggested that each relevant General Assembly Member try to give an account of the situation within one month's time.

The President thanked the Yugoslavian Committee for their work, not only on his behalf but on behalf of the Past President. He stated that the General Assembly would be recommended to approve the report, taking account of the outstanding amounts.

Council unanimously RECOMMENDED that General Assembly approve the report, taking into account the outstanding amounts.

6.3 CONGRESS 74 ORGANIZING COMMITTEE

Messrs. Svenonius and Wikland presented the reports C74 OC-1, C.74 OC-2 – the Draft Budget, and C.74 OC-3 – an estimate on the number of participants to attend from each country. (A resume of the reports can be found in the General Assembly minutes).

Mr. Harder presented the following chart:

IFIP Surplus from October 72 Budget, IFIP Cong. 74	\$82,500
Printing Correction	- 10,000
	<u>\$72,500</u>

Other Expenses to be considered:

Programme Committee Budget	\$13,345	
TC 4 (Medical) Prog.Com.	6,000	
Paid to North-Holland	<u>3,950</u>	
		<u>\$23,095</u>

Net Surplus according to budget as put out \$49,405

Mr. Bobillier requested a statement from the organizers of IFIP Congress 74 to the effect that the surplus of IFIP Congress 74 would be tax free and that it would be transferred without problem to the IFIP treasury in Geneva.

Mr. Bobillier wished to know if a written document was available concerning the guarantee of the Swedish Government against a loss.

Mr. Sem-Sandberg stated that this document existed in writing, and was given to Mr. Dorodnicyn at the Amsterdam meeting.

Mr. Wikland said that as IFIP was formally organizing the conference, and as the Swedish Organizing Committee did this job on IFIP's behalf, it was therefore considered that IFIP had no fixed business in Sweden, and would therefore not be subject to taxation.

The Organizing Committee however agreed to produce more detailed answers to these questions.

Speaking of fees, Mr. Harder suggested that if the early registration fee was set at \$70, IFIP could raise the late registration fee to \$80.

Mr. Dorodnicyn proposed that the early registration fee be set at \$65 and the late registration fee at \$75, averaging \$70.

Mr. Sem-Sandberg indicated that this fee was discussed at the Council meeting in Vienna, and that \$70 had been agreed upon.

Mr. Douglas felt that IFIP should work in the area where there was little sensitivity to price change. Raising the fee may not necessarily change the total number of attendance.

Mr. Tanaka stressed the necessity to take the dollar devaluation into account. He felt that due to IFIP's financial condition, a reasonable fee would be \$75 early registration and \$85 late registration.

Mr. Chevion proposed that the early registration fee (before 1 April) be set at \$70 and the late registration fee be set at \$90.

Council APPROVED the proposal, and requested that the Swedish Committee do all possible to allow a portion of the fee to be paid in foreign currency when necessary.

Mr. Douglas proposed that a committee be set up to study the currency transfer problem.

A committee was set up in order to study the fiscal problems which are posed to participants from developing countries when attending IFIP functions, and the President appointed:

Mr. Douglas (Chairman)
Mr. Dorodnicyn
Mr. Mentalecheta
Mr. Tuori

The President therefore requested documents concerning the tax exemption, the guarantee of the Swedish Government, the transferring of profits. Problems were generally solved, but he considered these documents necessary, even eventually in the Swedish language.

Council NOTED the report.

6.4 CONGRESS 77 / 80 SITE SELECTION

Mr. Douglas mentioned that an application would be forthcoming from the Australian Member Society.

Mr. Bobillier recommended that the sites for Congresses 77 and 80 be decided upon together, and that Council look into this matter in one years' time

Council NOTED the discussion.

6.5 ARTIVICIAL INTELLIGENCE COMMITTEE

Mr. Bauer presented the report (CGA – Sofia – 72, AIC-1) a resume' of which is found in the General Assembly Minutes.

Council NOTED the report.

7. FUTURE COUNCIL MEETINGS

The schedule for the next meeting was as follows:

Executive Body	Stockholm	April 5, afternoon, Thursday April 6, morning, Friday
Council	Munich	April 9, Monday April 10, Tuesday

There being no further business, the President adjourned the Council meeting.

GENERAL ASSEMBLY MINUTES

GENERAL ASSEMBLY MEETING

Sofia, Bulgaria - 24 – 27 October 1972

ATTENDANCEOfficers present

H. Zemanek	President	Austria
A. A. Dorodnicyn	Past-President	U.S.S.R
S. Sem-Sandberg	Vice-President	Sweden
E Goto	Vice-President	Japan
A.S. Douglas	Vice-President	United Kingdom
P.A. Bobillier	Secretary	Switzerland
E. L. Harder	Treasurer	Individual Member

Full Members present

Y. Mentalecheta	Algeria
J.M. Bennett	Australia
I. Iliev	Bulgaria
J.N.P. Hume	Canada
L. Gvozdjak	Czechoslovakia
TH Herborg-Nielsen	Denmark
J. Tuori	Finland
P. Renard	France
N.J. Lehmann	German Democratic Republic
K. Samelson	Germany
D. Chevion	Israel
S.F. Beltran	Mexico
W.L. van der Poel	Netherlands
L. Lukaszewicz	Poland
Miss V. E. Marting	South Africa
R.I. Tanaka	U.S.A.
A.P. Zeleznikar	Yugoslavia

Associate Member Present

S. D. Duyverman	IAG
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Full Members represented by Proxy

D. Ribbens	Belgium	<u>Proxy Held By</u>
I. Kadar	Hungary	H. Zemanek
S.A. Overgaard	Norway	A. A. Dorodnicyn
		S. Sem-Sandberg

Full Members absent

M. Milchberg	Argentina
J. Duran R.	Chile
A. Alvarez Marcer	Cuba
K. Doe	Ghana
L. Dadda	Italy
R. Moreno-Diaz	Spain

Honorary and Individual Members Absent

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

Committee Chairman present

A. van Wijngaarden	TC 1 Chairman
R.A. Buckingham	TC.3 Chairman
T.J. Williams	TC 5 Chairman
A. Curran	TC 6 Chairman
A.V. Balakrishnan (only 24.10.)	TC 7 Chairman

Committee Chairman Absent

T.B. Steel, Jr.	TC 2 Chairman
F. Gremy	TC.4 Chairman

Invitees Present

F.L. Bauer	Chairman, Artificial Intelligence Committee
H. Freeman	Chairman, Congress 74 Programme Committee
F. Genuys	Chairman, Congress
D. Kroneberg	Chairman, Publications Committee
J.Y.S. Luh	Chairman, WG 5.1
Bl. Sendov	TC 4 and hosting Member Society
P. Svenonius	Chairman, Congress 74 Organizing Committee
T. Wikland	Congress 74 Organizing Committee

Invitees Absent

P. Armer	Chairman, Committee on Computers and Society
W.F. Atchison	Chairman, WG 3.1
A. Berger	Chairman, WG 3.4
S. Charp	Chairman, WG 3.3
J.J. Duby	Chairman, WG 2.2
P. Dular	Congress 71 Executive Committee
I.H. Gould	Chairman, WG 1.1
E. Herbert	Chairman, Public Information Committee
M. Osredkar	Congress 71 Executive Committee
M. Paul	Chairman, WG 2.1
J. Raben	Chairman, Committee on Computer Applications in the Humanities
D. Thomsen	Chairman, Congress Organizing Committee
M. Woodger	Chairman, WG 2.3

Observers Present

A. Belazoug	Algeria
J. Gruska	IFIP Correspondent, Czechoslovakia
M. Müller	German Democratic Republic
R.J. McQuaker	IAG
J. Vlietstra	TC 5
D.H. Wolbers	Secretary, TC 3

Technical Session Speakers

M. Allegre	France
V. Glushkov	U.S.S.R
P.J. McGovern	U.S.A.
K. Nakahara	Japan

In Attendance

Erika Bosshard	Secretary to Mr. Bobillier
G. Kögl	Assistant to Mr. Zemanek
Mrs. S. Prato	Administrative Secretary

1. OPENING OF THE MEETING

The President opened the General Assembly meeting and welcomed all participants especially the two new members, Messrs. Gvozdjak and Samelson.

General Assembly unanimously APPROVED the Agendas.

2. REVIEW OF LAST MINUTES

The following modifications to the minutes, CGA – Ljubljana-71, were to be noted:

- a) Section 4.5.4, Publications, Co-operation with IFAC, paragraph 2 should read:
“Mr. Zemanek suggested to publish the proceedings of the two IFAC Conferences approved in Section 4.5.3, under one cover, have IFAC edit it, but have it published as an IFIP book”.
- b) Section 7.4.2, Admissions, U.A.R. National Computer Committee, paragraph 4 should read:
“To the knowledge of those present, such cases took place in the first years of IFIP's existence when applicants were the Academies of Science of countries”.

General Assembly unanimously APPROVED the minutes, CGA – Ljubljana-71, including the above-mentioned modifications.

3. OFFICER REPORTS

3.1 PRESIDENT

The President introduced the provisional edition of the Annual Report, 1 July 1971 to 30 June 1972. The Annual Report was to serve as an instrument in facilitating General Assembly meetings. The various reports were to be submitted as soon as possible after 30 June thus enabling the Secretariat to print and distribute the Annual Report by August. General Assembly Members would then have sufficient time to read the reports. Moreover, those submitting reports to the General Assembly could do so in a very brief form, only bringing up matters which required discussion or decision. The President requested that the reports making up the Annual Report be condensed as much as possible.

In this report, the President indicated that he will have visited nine IFIP Member Societies during 1972. He also attended two IAG Board of Directors meetings, and APC Meeting and equally met with a number of IFIP Committee Chairmen. With the FIACC structure, the President attended in 1972 the IFAC Congress and the IFORS Congress, and also extended IFIP greetings to an IEEE Conference in Zurich, and to a conference in Vienna sponsored by the General Systems Society.

In relation to Congress 74, the President also met with members of the Congress Organization Committee and Congress 74 Organizing Committee. Whereas there are problems remaining to be solved, it could be confirmed that the site of Congress 74, only 10 minutes from centre Stockholm provided ample space for both the lectures and the Exhibition. Sites for Congresses 77 and 80 will be chosen once the Congress Organization Committee has submitted the guidelines for Congress organization, conditions for submission and guidelines for evaluation by the Site Selection Committee. This will permit candidates to reshape their proposals accordingly. Regarding the Tenth Anniversary Volume, a delay had occurred in the editing; nevertheless, the Volume will be printed and shall appear this year. North-Holland was pessimistic about the sales of the Volume; the President requested all IFIP members to do their utmost to promote sales.

General Assembly NOTED the report.

3.2 SECRETARY

Mr. Bobillier, referring to his report in the Annual Report, outlined briefly the history of the Secretariat. He stated that the Secretariat was now running in an efficient manner, and thanked Mrs. Prato for her good work. IFIP Information Bulletins No. 4 and 5, prepared by the Secretariat, had been distributed outside IFIP to libraries, organizations and all other individuals interested in IFIP's work. It was hoped that the Bulletin would become the information link within IFIP. The Secretariat now had acquired several office machines, some of which were an electronic stencil machine, a Gestetner printing machine, an IBM Dictaphone, and in the near future, an addressing machine and a stamp machine. Communications between IFIP members and the Secretariat could be improved, and Mr. Bobillier stressed the necessity of appointing the IFIP Correspondents, in the case of those who had not yet done so.

Mr. Bobillier requested that the originals rather than photocopies of reports be submitted to the Secretariat in order to ensure a better quality of reproduction. It would equally be appreciated if reports could be sent within the given deadlines.

Mr. Bobillier announced that Mrs. Prato was resigning from her position with the Secretariat.

Miss Marting wished to extend her thanks to Mrs. Prato for her work.

The President, speaking on behalf of the General Assembly, offered a vote of thanks and good wishes for the future to Mrs. Prato.

General Assembly NOTED the report.

3.3 TREASURER

Mr. Harder presented the reports (GA – Sofia – 72, T-1, T-2, T-3, T-4, T-6, T-7, T-8).

- 3.3.1 T-1, 1971 Audit Report. Net assets at the end of 1971 amounted to \$137,178.82. Total expenses were \$52,157.95 and total income was \$30,912.70. It was to be noted that no provision had been made in these accounts for accrued expenditures and receipts, except for membership dues outstanding at 31 December 1971. Also, these accounts did not reflect the full results of IFIP Congresses 1968 and 1971 which were expected to show further surplus.

General Assembly unanimously APPROVED the 1971 Audit Report.

- 3.3.2 T-2, 1972 Interim Accounts to July 31. Total income, not including returned loans amounted to \$33,830.67. Total expenditures to 31 July 1972 amounted to \$15,118.71. None of the budgeted loans had, to that point, been drawn.

General Assembly NOTED the report of the 1971 Interim Accounts to 31 July.

- 3.3.3 T-3, Record of IFIP Loans and Grants Active in 1971 and 1972. In 1971, loans authorized amounted to \$29,351 whereas actual loans represented \$21,031. In 1972, loans authorized amounted to \$37,425 whereas actual loans granted as at 15 September amounted to \$21,031. 1971 authorized grants amounted to \$9,168 whereas actual grants amounted to \$7,939. 1972 authorized grants amounted to \$12,400 and actual grants as at 15 September amounted to \$4,632.

Mr. Harder noted that the IAG loan had been reduced from \$2,825 to \$1,800, and as this had not yet been paid back, he felt that it should be written off.

Mr. Duyverman indicated that IAG was prepared to pay this sum.

Mr. Harder therefore agreed to leave the matter for one more year.

The President asked if proceedings on the IAG Seminar Papers could not be sold.

Mr. Duyverman said that IAG was attempting to do so.

Mr. Sem-Sandberg added that TC3 was also trying to activate sales of these proceedings.

Mr. Harder additionally noted that the loan of \$4,074 made to the World Conference on Computer Education was not going to be reimbursed, and it was therefore moved that this be written off.

General Assembly APPROVED (with one vote against) writing off the loan of \$4,074 made to the World Conference on Computer Education.

A proposal was also made to write off the remaining \$4,026 loaned to the ADP Seminar, Level I (TC3).

General Assembly unanimously APPROVED writing off the \$4,026 loaned to the ADP Seminar, Level I.

- 3.3.4 T-4, New Dues Situation. The accepted schedule for 1972 as at 15 September amounted to \$19,759. Dues received as at 15 September amounted to \$17,500. Dues in arrears at end 1971 amounted to \$1,500.

Mr. Harder wished to note that the paid dues situation, as presently incited, was excellent, and expressed his thanks to all General Assembly Members who had made this possible.

- 3.3.5 T-6, Financial Summary. This Summary indicated an actual income as at 15 September of \$34,331 (not including Loans and loan repayments). Actual expense amounted to \$20,912. Net worth as at 15 September amounted to \$150,598 (including only 1972 dues paid to date, and not including anticipated Congress 71 surplus (not yet transferred). Loans outstanding amounted to \$16,032, and back dues outstanding amounted to \$1,500. Investments amounted to \$130,000.

General Assembly NOTED the report.

- 3.3.6 T-7, Financial Forecast. The forecast as at 1972 year end showed Forecast Income as being \$49,300 and Forecast Expense, \$46,300. Net worth at year end was estimated at \$154,000. Expenses for the next few years were expected to be approximately \$50,000. Forecast net worth in future years was as follows.

	<u>Lower</u>	<u>Upper</u>
End 1973		\$144,300
End 1974		\$127,100
End 1975	\$116,800	\$138,800
End 1976	\$104,900	\$128,200
End 1977	\$ 85,300	\$110,000
End 1978	\$72,500	\$121,300

The lower and upper estimates corresponded to Congress 74 surplus estimates of \$8,000 and \$30,000 respectively.

Mr. Harder indicated the possibility of a continuous decrease of IFIP's net worth. He felt that only if the next Congress made surplus of \$50,000 would IFIP be able to maintain the current level of operations without using the capital. A surplus of \$100,000 would support increased activities.

Later discussion of IFIP Congress 74 finances indicated a likely surplus considerably above \$30,000.

Mr. Harder felt that IFIP should budget \$60,000 for approximate expenses, with the intention of spending \$50,000.

- 3.3.7 T-8, 1973 Budget. Early in the meeting, Mr. Harder presented a preliminary version of the 1973 Budget based on requests and decisions up to that time. Various modifications were proposed during the meeting as the different reports an activities were discussed. At the end Mr. Harder proposed a final version of the 1973 Budget (GA – Sofia – 72, T-8.). The budgeted income is \$36,600, and the budgeted expense, \$64,300. While this is larger than the \$60,000 of budgeted expense recommended, it was felt that the actual expense could be kept to approximately \$50,000 through the approvals required before expenditures are made.

Mr. Harder also noted that the IFIP fiscal year corresponded to the calendar year.

The following discussions clarified the joint Congress 74 and World Conference on Medical Informatics both to be held in Stockholm in 1974. There would be one Organizing Committee for both conferences, but two Programme Committees each working on a separate programme. One registration fee would

allow a participant to attend both events. In principle, there would be two separate registration desks. A member of TC 4 would be a representative of the Congress 74 Programme Committee and thereby act as liaison between the two conferences.

General Assembly unanimously APPROVED the 1973 Budget as amended.

The final approved Budget is attached to these minutes.

The President informed the General Assembly that Mr. Harder did not wish to be re-elected Treasurer after this meeting. After careful discussion with Mr. Harder, the President continued, he had accepted the retirement of the Treasurer (who would nevertheless complete all 1972 accounts), but had expressed his and IFIP's hope that Mr. Harder would be available for advice for many years to come, and, maybe, for selected pieces of work. The President extended his warmest thanks for everything Mr. Harder had done for IFIP.

General Assembly applauded to express IFIP's thanks to Mr. Harder.

4. TECHNICAL COMMITTEES AND IAG

4.1 TC 1 TERMINOLOGY

Mr. van Wijngaarden presented the report (GA – Sofia – 72, TC 1-1). TC 1 mourned the loss of its United States' member, Prof. G.W. Patterson.

The President asked General Assembly to rise and observe a silence in commemoration of Professor Patterson.

Continuing with the report, Mr. van Wijngaarden noted that work on the second volume of the IFIP Guide to Concepts and Terms in Data Processing was progressing slowly. Finnish and Dutch translations of the Terms had, however, been completed, while the Swedish and German translations should be available by the end of the year. General Assembly Members were urged to influence their societies and TC 1 members to have these Terms updated and translated as soon as possible.

The President wished to know whether this could be presented in written form.

Mr. van Wijngaarden assured that he would send a letter to this effect to General Assembly and TC 1 members.

General Assembly unanimously APPROVED the report.

4.2 TC 2 PROGRAMMING

In the absence of Mr. Steel, Mr. Douglas presented the report (GA – Sofia – 72, TC 2-1). The TC 2 Working Conference on graphic Languages, held in Vancouver, Canada, in May 1972 had also proved to be success. The TC 2 Working Conference on Programming Teaching Techniques was held in Zakopane, Poland, in September 1972. In spite of the fact that the Conference lacked adequate lead time for the selection of participants, it nevertheless met a high standard of scientific excellence. TC 2 had held a meeting also in Zakopane, Poland in September which was a great success. This meeting endorsed the recommendation that Mr. Steel be reappointed TC 2 Chairman, Mr. Paul be reappointed WG 2.1 Chairman, Mr. Woodger be reappointed WG 2.3 Chairman, Mr. Duby be appointed WG 2.2 Chairman, and Mr. Peck be appointed TC 2 Vice-Chairman. Miss Frock had been appointed Secretary of TC 2. The TC 2 budget indicated expenses amounting to \$3,700 and income of \$2,000 together with request for a grant of \$2,000. Two new budget items had been included and these were Working Group Operations and Working Group Emergency Travel. The Working Group Emergency Travel item had been increased from \$500 to \$750, a more realistic figure.

WG 2.1 (ALGOL) had met in Vienna in September 1972, devoting most of its time to the revision of the ALGOL 68 Report, scheduled for completion in approximately one years' time.

WG 2.2 (Programming Language Description) was in the process of revitalization, and it was hoped that the next TC 2 report would show positive steps in this direction.

WG 2.3 (Programming Methodology) met in Warsaw, Poland in September 1972. This Working Group was requested to be more open in the reporting of its activity consistent with current modus operandi.

Concerning the ALGOL Bulletin, Mr. C.H. Lindsay was now the Editor, and Mr. W.L. van der Poel responsible for printing and mailing. Three issues per year were to be expected. It was decided to charge \$5.00 for the three issues. It was tentatively assumed that 400 subscribers would remain, which would mean that the ALGOL Bulletin would be of no cost to IFIP.

TC 2 proposed to organize a Working Conference on Machine Oriented High Level Languages to be held in or near Trondheim, Norway, the week of 10 or 17 September 1973. TC 2 therefore requested approval of this Working Conference and authorization for a grant of \$2,000. Royalties for the Proceedings in excess of the grant would be returned to IFIP.

TC 2 was considering a Working Conference on Data Base Management Systems to be held perhaps in Nice, France in April 1974. Authorization was requested to proceed with the development of a firm plan for Council approval in the spring of 1973.

Two additional Working Conferences were also under consideration for 1975, for which no authorization was required presently: Command Languages (Sweden) and Software for Mini-computers (Hungary).

Future TC 2 meetings scheduled were as follows: 9 – 11 April 1973, Munich and 7 – 8 September 1973, North-Eastern USA.

General Assembly unanimously APPROVED the report of TC 2.

4.3 TC 3 EDUCATION

Mr. Sem-Sandberg referring to the TC 3 Annual Report and documents (GA – Sofia – 72, TC 3-1 and TC 3-2) noted that one TC 3 meeting had been held this year in April. With regard to the two new Working Groups WG 3.3 – Instructional Uses of Computers, and WG 3.4 – Post-Secondary Education and Vocational Training, it was recommended that any interested people contact the Chairmen of these Working Groups.

WG 3.3

Ms. S. Chapp
School District of Philadelphia
Board of Education
5th and Lucerne Streets
Philadelphia, Pa. 19140, U.S.A.

WG 3.4

Prof. A. Berger
Oesterreichisches Schulrechenzentrum
Spengergasse 20
A-1053 Vienna, Austria

TC 3 had established an ad hoc System Design Curriculum Committee to consider further development of the Curriculum. A workshop to this effect was held in Shrivensham, England in September 1971. A second workshop was to be held in Shrivensham in December 1972 to finalize the outlines of this Curriculum. A report would be issued early in 1973.

The 3rd ADP Seminar for French-speaking participants was held from January to July 1972. 41 participants from 21 countries attended. A 4th French-speaking seminar would be held from January to July 1973. It was hoped that IFIP would be instrumental in obtaining some fellowship support.

WG 3.1 (Secondary School Education) had held two meetings, Vienna – April 1971, and Atlanta – June 1972, both of which had been directed towards developing the theme of the booklet "Computer Education for Teachers in Secondary Schools". Translations of the revised edition existed in Russian, French, Danish and Spanish, and a German translation was expected.

With regard to the planned Second Conference on Computer Education, to be held in 1975, the scope was to include general education in informatics, and computers in education. The French Member Society, AFCET, had accepted to organize this Conference.

The Rio Symposium on Computer Education for Developing Countries was held in Rio de Janeiro in August 1972. It was organized by the Brazilian Academy of Sciences and IBI-ICC and cosponsored by TC3. The Symposium was one of the important forerunners of the IFIP Conference to be held in 1975. Final proceedings were to be made available shortly.

A joint project had been set up by contract with IBI-ICC, sponsored by UNESCO, to prepare a study report on the development of computer education in various countries and the relevance of this to future needs. A workshop meeting in Rome in October had drafted a preliminary report, "Objectives in Computer Education 1972".

During a meeting in April of FIACC, it was decided to form an ad hoc Education Subcommittee. Preliminary consideration was given to arranging a joint Workshop on "Higher education on technical or technical-economic systems" during May 1974.

A further TC 3 meeting was to be held in Sofia in February or March 1973.

WG 3.3 (Instructional Uses of Computers) had held two meetings, one in Virginia in March and another in Washington in October 1972. The prime concern of the group at this stage was the dissemination of information on the use of computers in education, and the recommendation of ways in which the science and technology of information could contribute to the learning process. An "Educators' Guide" on instructional uses of computers was being prepared and would hopefully be completed during the summer of 1973.

WG 3.4 (Post-Secondary Education and Vocational Training) was concerned with the post-secondary education in relation to computer personnel. The first task of the group concentrated on a one-year curriculum in data processing and management. A first Latin-American Seminar in Automatic Data Processing was being held in Chile from August to December 1972, with IFIP sponsorship. There were 19 participants from 7 countries in Latin America, and the Seminar was presented in Spanish.

With regard to the French Seminar in ADP, it was considered necessary to publish a further set of working papers. Mr. Malgoire, Director of the CEPIA Seminar, proposed the following:

- 1) during the 1973 Seminar, all relevant documentation and course information should be forwarded to IFIP
- 2) IFIP should arrange to select material to be published
- 3) the selected material would be prepared by CEPIA in a suitable form for publication in French
- 4) a joint meeting of IFIP and CEPIA representatives would then examine the economic possibilities of publication.

It was therefore recommended that General Assembly agree to the proposed procedure mentioned above, that the IFIP Publications Committee be informed about this possible publication and asked to cooperate and that in any subsequent contract with CEPIA, the possibility be explored of repayment of the loan of \$3,000 made by IFIP to CEPIA in 1969.

Concerning the Latin-American Seminar in ADP held in Chile, organized by ECOM under IFIP auspices, the following recommendations were made

- 1) that TC 3 be authorized to carry out an evaluation of the ECOM Seminar in Chile, appointing a Spanish-speaking expert to take part in the final examinations of students, at a cost which should not exceed \$250.00,
- 2) that the possibility of an IFIP publication of the Seminar material in Spanish be explored in consultation with ECOM.

Referring to the Second IFIP World Conference on Computer Education to be held in 1975, it was requested that General Assembly

- 1) accept the report and recommendations of the Steering Committee,
- 2) make available to AFCET in 1973 a loan of \$10,000 on the understanding that return of at least \$5,000 would be guaranteed,

- 3) support application to international bodies for donations to the Conference budget of not less than \$40,000.

General Assembly unanimously APPROVED the report of TC 3 without its financial implications.

(Note: In further discussions (see 8.2.3), the points (2) and (3) on the World Conference on Computer Education were approved)

4.4 TC 4 MEDICINE

Mr. Douglas presented the report (GA – Sofia – 72, TC 4-1). Since the last General Assembly meeting, TC 4 had met three times. It was noted that the Working Conference on Computer Applications on Electrocardiography and Vectocardiography analysis held in Hannover, October 1971, was scientifically a great success. However, due to the fact that the papers were not circulated before the conference, and that the discussions were very lively, the Proceedings had taken much longer to prepare. It was expected that the Proceedings would be published by March 1973.

A Working Conference on Mathematical Models in Medicine and Biology was held in Drujba in September 1972. Of the 40 participants attending, there was no American or Soviet participation. Proceedings were to be published.

WG 4.1 (Education of Medical and Paramedical Personnel) had met three times, and work had revolved around the questionnaire issued in the spring of 1971. The response was good, indicating definite trends of opinion, and a plan of recommendations had been worked out, a task which should be completed shortly.

WG 4.2 (Requirements for interface for input and output procedures in medical computers applications). The main aim of the Working Group is to create well defined interfaces between existing hardware and software and the tools – consisting of software and / or hardware pieces – envisaged. This implies that tool specifications have to be accomplished only to such an extent as they are needed for the definition of these interfaces. This presumes at the same time the flexibility required for detailed design and construction by computer manufacturers.

The scope of the work will cover four main areas:

- tolls needed in order to meet confidentiality and legal requirements;
- tolls needed for presentation of computer prepared information to doctors, nurses, hospital administrators and patients;
- tolls needed for control of on-line data input from instruments;
- tolls needed for interaction between different kinds of computer systems

Professor W. Schneider was suggested as Chairman and an annual budget of \$2,000 was proposed.

Referring to the proposed World Conference on Medical Informatics, TC 4 welcomed the offer of the IFIP Council to hold this Conference in Stockholm along with the IFIP Congress 74. The objectives of the Conference were to provide a review on the current status of main computer's applications in biology, medicine, and public health illustrated by concrete accomplishments. A separate Programme Committee would be set up and there would be a separate call for papers and associated publicity. Proceedings would also be published separately. There would be a reserved area within the common Exhibition area for the World Conference on Medical Informatics. The Congress and the Conference would have a common budget and a proportionate part (based on attendance) of the surplus would be reserved for future IFIP medical activities.

As of February 1972, IFIP was granted the status of having official relations with WHO. The problem of organizing the links between both organizations had yet to be solved.

Long-term future plans of TC 4 focused on establishing the group as a SIG. This matter was still being reviewed and a report would be submitted subsequently. For professional and personal reasons, the present Chairman of TC 4, Professor Gremy, did not intend to continue his Chairmanship beyond 1973.

Mr. Dorodnicyn questioned the wording of point 5, page 5 of the report which stated that “there will be a common budget for the Conference and the Congress, and part of the profits (related to the proportion of people at each) will be reserved for future IFIP medical activities”.

Several remarks were made, and it was noted that it was not possible to earmark the profit of any IFIP body for its future activities.

Mr. Sendov, speaking as a member of TC 4, felt that a greater amount of money should be spent within IFIP on medical activities.

The President suggested that the report be approved, excluding point 5 mentioned above, and charged Mr. Douglas to work out a wording that would be acceptable to both General Assembly and TC 4.

Mr. Douglas noted that the budget provided for:

General Budget	\$1,500
WG 4.1	\$1,000
WG 4.2	\$2,000
World Conference on Medical Informatics	\$6,000 (part of Congress expenses)

General Assembly unanimously APPROVED the report with exception of point 5, page 5 (mentioned above), and the reference to the desired annual budget for WG 4.2 of \$2,000.

4.5 TC 5 COMPUTER APPLICATIONS IN TECHNOLOGY

Mr. Douglas presented the documents (OGA – Sofia – 72, TC 5-1, 5-2 and 5-3). TC 5 submitted the following requests for approval to the General Assembly.

- 1) the holding of a Third PROLAMAT Conference at the University of Stirling, Stirling, Scotland in mid-June 1976. Attendance was estimated at 400 – 600 people. This Conference would probably be a combined IFIP / IFAC Conference with IFIP as the lead Society.
- 2) IFIP co-sponsorship of the second IFAC / IFIP Symposium on Traffic Control and Transportation Systems to be held on the Riviera, France in September 1974. The scope of the Symposium would be expanded from traditional traffic control to include various aspects of transportation systems.
- 3) the IFIP co-sponsorship of a proposed IFAC / IFIP Symposium on Automatic Control in the Agricultural Industry to be held at the University of Saskatchewan, Canada, from 25-27 June 1974.
- 4) further coordination work looking towards a Third IFAC / IFIP Symposium on Traffic Control and Transportation Systems to be held in the Boston area in June 1976.
- 5) a Working Conference on Socio-Technical Aspects of the Computerized Automation of Industrial Plants and Processes, tentatively scheduled to be held in Sofia, Bulgaria in June 1974.
- 6) the establishment of WG 5.2 on Computer-Aided Design with Mr. J. Vlietstra as recommended Chairman.

The aim and scope of the Working Group is to promote and encourage the advancement of the field of computer-aided design (CAD) and its associated topics such as:

- the software philosophy related to CAD;
- the systems software;
- the methodology of CAD systems;
- CAD oriented data structure and relation with more general data bases;
- the “package” concepts;
- the lifetime of CAD software;
- the language in which the CAD system is written;

- the "language" used in the communication with the system;
- the "interface" between the user of a CAD system and the computer programmer;
- the input / output organizations;
- the coupling with testing and manufacturing systems;
- the applications;
- the economic and social justifications.

It shall further work to reduce cost through development and standardization of techniques, software, and hardware, taking into account the job satisfaction of the user of a specific CAD application and its impact on society.

The Working Group will have the following specific tasks in furthering the area of its scope:

- a) Maintain liaison with the other appropriate national and international organizations, IFIP Technical Committees and Working Groups working in the same field and cooperate with them whenever desirable to further the common goals.
- b) Be responsible for organizing and presenting any future Symposia which arises from the work of the Working Conference on "Principles of Computer-Aided Design" held in Eindhoven, The Netherlands, on 16-18 October 1972.
- c) Conduct other Working Conferences and Symposia as deemed appropriate in furthering its scope.
- d) Develop and sponsor research investigations and economic and social studies into the various aspects of the topic of its scope.
- 7) the establishment of WG 5.3 on Discrete Manufacturing with Dr. Joseph Hatvany as recommended Chairman.

The aim of this Working Group is to promote and encourage the advancement of computer and computer related applications in the fields of research, development, design, construction, and operation of machines and plants for the discrete manufacturing industries such as automotive, machine tool, appliance, aircraft, electronic and similar and related industries.

The scope of the work includes, but is not limited to, the following items:

- a) integrated discrete manufacturing;
- b) machine tool languages;
- c) manufacturing planning and scheduling in discrete parts industries;
- d) the use of computer-aided design and interactive graphics in the design and use of machine tools.

The Working Group will have the following specific tasks in furthering the area of its scope;

- a) Maintain liaison with other appropriate national and international organizations working in the same field. Cooperate with them whenever desirable to further the common goal.
- b) Be responsible for IFIP's work in organizing and presenting the PROLAMAT '73 Conference to be held in Budapest, Hungary, on 10-13 April 1973.
- c) Be responsible for IFIP's work in organizing and presenting the PROLAMAT '76 Conference tentatively scheduled for East Kilbride, Scotland, in June 1976.
- d) Conduct other Working Conferences and Symposia as deemed appropriate in furthering its Scope.
- e) Develop and sponsor research investigations aimed at the integration of design and manufacturing.
- f) Develop and sponsor research investigations and industrial and social studies into the various aspects of the topics of its scope.

- 8) TC 5 presented the tentative Scopes of WGs 5.5 on Continuous Process Manufacturing; WG 5.6 on Agriculture, Food Production, and Related Activities; and WG 5.7 on Socio-Technical Aspects of Computerized Automation. Approval would be requested as soon as viable programs in each area had been established.
- 9) approval was requested for the establishment of WG 5.4 on Common and / or Standardized Hardware and Software Techniques with Professor T.J. Williams as recommended Chairman.

The aim of this Working Group is to promote the commonality and standardization of computing equipment, its associated devices and related software to the maximum extent possible for computer applications within a particular industry and between industries. To promote wherever possible, a unified nomenclature and a common set of educational techniques for training engineers and other workers in the field.

The Working Group will carry out its task through the conduct of Standards Generating Workshops, liaison with national and international Standards Organizations, symposia on industrial needs, and any other media which will help to implement its central aim.

Its Scope will include all of the areas of applications encompassed by the Scope of Technical Committee TC 5, Computer Applications in Technology, and its associated Working Groups.

It was further requested that the two existing Workshops on these subjects held at Purdue University, U.S.A. be designated as this Working Group. These are the Workshop on Standardization of Industrial Computer Languages and the ISA Computer Control Workshop.

- 10) the budget allocation for TC 5 amounting to \$2,900 broken down as follows:

1.	Secretarial and Postage Charges	\$ 800
2.	Travel expenses	\$1,500
3.	Secretarial and Postage Charges, WG 5.1 Transportation	\$ 200
4.	Secretarial and Postage Charges, Proposed WG 5.2 – Computer Aided Design	\$ 200
5.	Secretarial and Postage Charges, Proposed WG 5.3 – Discrete Manu- facturing	\$ 200
	Total	\$2,900

An increase was requested to cover the cost of international mail and secretarial service for the proposed WG 5.4 – Common and / or Standardized Hardware and Software Techniques	\$ 500
Total final budget	\$3,400

Referring to the Conference on Computer-Aided Design of Non-Electronic Systems held in Eindhoven, the Netherlands on 16 – 18 October 1972, 40 participants and speakers were present and 19 papers were presented. Negotiations were underway with North-Holland to produce the Proceedings. The attendees voted to support the creation of WG 5.2 on Computer-Aided Design. The attendees equally voted to support the presentation of a Symposium on “Problems Encountered in Computer-Aided Design” at the IFIP Congress 74 in Stockholm. They strongly urged that IFIP take action to become the international spokesman for the field. Such a spokesman was at present lacking and the field urgently needed international coordination and leadership.

The International Papers Committee of PROLAMAT – 73, which was to be held in Budapest on 10-13 April 1973, met in April to discuss developments. 85 abstracts were discussed of which 67 were accepted.

Mr. Douglas strongly supported requests made by TC 5 in view of their excellent work.

General Assembly unanimously APPROVED the formation of Working Groups 5.2, 5.3 and 5.4, the budget increase, and the report in general.

The President indicated that the unanimous approval was to be understood by Professor Williams as a vote of congratulations for his excellent work.

4.6 TC 6 DATA COMMUNICATIONS

Mr. Sem-Sandberg introduced Mr. A. Curran as Chairman of TC 6.

The President welcomed Mr. Curran and TC 6 to the General Assembly.

Mr. Curran presented the reports (GA – Sofia – 72, TC 6-1 and 6-2) and noted that eleven national organizations had appointed a TC 6 representative. The Committee prepared a list of specific subjects for study, and wished General Assembly approval of this list.

- a) to represent the user in the deliberations of the CCITT and CEPT regarding data transmission. In particular, TC 6 might pay particular attention to Q1/NRD points A and B (Question 1 of the New Data Network) of the CCITT Study Programmes;
- b) to examine the network functions proposed for international networks to ensure that they adequately meet the anticipated needs;
- c) to explore methods by which the utilization of circuit time can be improved for categories of service where calling rates are low or where there are significant intervals of circuit idle time;
- d) to recommend a sufficient definition of error performance and to suggest network performance objectives;
- e) to examine the possible applications of packet switching and to evaluate the advantages and penalties;
- f) to examine the need for standardization of a set of functions from which a network control language can be constructed.

It was hoped that an agreed study programme and timetable could be drafted at a TC 6 meeting in conjunction with the spring 1973 Council meeting. Authorization was also requested for TC 6's participation in the meetings of the appropriate Study Groups of CCITT and CEPT, and the technical committees of ISO.

Mr. Curran noted that approval was requested for a budget of \$2,500 to cover costs of TC 6.

The President thanked Mr. Curran for the report and work done. He indicated that Mr. van der Poel was the IFIP link to ISO.

Mr. van der Poel indicated that only the plenary meetings of ISO accepted representatives, while the sub-committees did not.

Mr. Douglas asked that ICIL and the Secretariat be advised of action taken in relation to other international organizations.

General Assembly unanimously APPROVED the report.

4.7 TC 7 OPTIMIZATION

Mr. Balakrishnan presented the report (CGA – Sofia – 72, TC 7-1) which was a proposal for the establishment of WG 7.1 on Modelling and Simulation with Mr. W.J. Karplus as recommended Chairman.

The aims of this Working Group were to foster cooperation and information interchange among those engaged in the simulation of large and complex systems by organizing international conferences and symposia gathering Specialists in:

- modelling and identification methodology;
 - simulation methodology;
 - computer simulation languages;
 - interactive on-line computation;
 - hybrid computation;
- as well as experts in specific areas.

The scope of the work will include three major classes of problems;

- environmental systems;
- biological systems;
- societal systems;

using various approaches such as:

- new simulation languages for digital simulation;
- new computer graphics techniques;
- application of pattern recognition and feature extraction methods;
- new mathematical techniques (e.g. finite elements);
- new data base organizations and simulations of data bases.

General Assembly APPROVED (with 1 abstention) the report, i.e. the establishment of WG 7.1.

4.8 IAG

Mr. Sem-Sandberg presented the reports (CGA – Sofia – 72, IAG-1, and IAG-Secr.). IAG activities were structures as follows:

- 1) Applications systems design and implementation in the private and public sector;
- 2) Data center and data management;
- 3) Economics of information systems;
- 4) Data management concepts and use;
- 5) Human implications of information systems.

(Note: in area (4) the committee especially has stressed the importance of 'Information and data acquisition control' aspects).

Important events were the seminars "Managerial Strategies for the Design of Information Systems", "Orientation Seminar on Data Base Management", and one conference, "Data Center 72". General Assembly was requested to take into account decisions made by the IAG Board regarding the Data Base activities and organizational measures in this field.

The IAG Journal, Management Informatics, will have a new layout and format. This Journal would be issued six times per year. IAG Communications would serve as a newsletter and a means of contact between partners and countries. The calendar of forthcoming events as well as a review Journal prepared in coordination with the "Studiecentrum voor Informatica" were also issued six times per year. An occasional publication on information systems and data banks was under preparation and would be published in March 1973.

The 1973 budget indicated an expenditure of \$101,000 with \$71,000 representing General Administration expenses. Income was estimated at \$111,000.

Referring to the question of establishing an IAG legal entity in the Netherlands, a Foundation had been considered to be the most satisfactory form. However, in discussions with the independent lawyer, it was decided that a corporation may be a better form. More concrete information would be gathered.

In relation to Congress 74, IFIP was requested to include an IAG representative on the Programme Committee to be in charge of Business and Government Administrative areas.

Mr. Harder asked what was the net worth of IAG at the end of 1971.

Mr. Duyverman replied that the net worth at the end of 1971 was minus \$25,000 that there was a surplus of \$18,000, which brought the net loss down to \$6,000 (approximately). It was hoped that there would be a positive net worth at the end of 1972.

The President proposed that the IAG report (programme of activities, budget, publications) be approved with exception of the section relating to the Foundation (page 14 of the report).

General Assembly APPROVED (with 1 abstention) the report.

Mr. Sem-Sandberg then presented the new document (CGA – Sofia – 72, IAG-Secr.) which read as follows after modifications made during the discussion):

The IAG had, up till now, been able to rely on the good office of the Studiecentrum to provide secretarial assistance against reimbursement. This has meant that the Studiecentrum administers and accommodates what are, for all practical purposes, IAG employees, and effectively carries its cash flow. The Studiecentrum is no longer able to do this. In order to solve this problem it is proposed that

- 1) IFIP forms a subsidiary; this subsidiary will employ the secretarial personnel currently assigned to IAG and service IAG and such groups within IFIP as may be agreed. The subsidiary will be governed by a Policy Board composed of the President, cognizant Vice-President, Treasurer and Secretary of IFIP or their alternates, and three representatives of IAG or their alternates. The Executive Director(s) will be appointed by the Policy Board from time to time as may be needed.
- 2) Financial arrangements with IAG will be revised to take account of the new situation. Budgets, allowing for secretarial costs, will continue to be submitted to the General Assembly by the IAG Board in cooperation with the Board for the new subsidiary. All steps will be taken to minimise the incidence on IFIP of the cash flow position.

The General Assembly is asked to empower the Executive Body to put into practice the above proposals, subject to formal agreement with the IAG Board. The arrangements made will be reviewed by Council at its next meeting, to which a formal 1973 budget will be submitted. Approval is requested by the Executive Body in this connection to incur expenses of up to \$5,000 and to advance to the new subsidiary sums of up to \$20,000 during the current year. These arrangements do not imply a change in the IAG budget.

Mr. Renard requested that the proposed budget for this subsidiary be submitted.

Mr. Douglas said that this budget would be submitted by the Executive Body to Council at its spring meeting. The subsidiary would work within the confines of the IAG budget. IAG would pay for the subsidiary with the exception of \$5,000.

Miss Marting queried whether IAG would preserve the same organization structure.

The President answered that this would in no way be effected. He indicated that the Executive Body suggested that this proposition be accepted, and that IAG present a solution to the next General Assembly.

Mr. Herborg-Nielsen proposed that General Assembly adopt the proposal that firstly, IAG form a subsidiary and secondly, that financial arrangements with IAG be revised as soon as possible, and that the Executive Body be empowered to put this solution into practice.

General Assembly unanimously APPROVED the document as amended.

5. NEW TC's AND SIG's

5.1 ARTIVICIAL INTELLIGENCE

Mr. Bauer presented the report (CGA – Sofia – 72, AIC – 1). The deliberations of the IJCAI (International Joint Council on Artificial Intelligence) on becoming an affiliate of IFIP had proven to be negative for the time being due to a general desire to keep their autonomy. It was therefore suggested that the IFIP Ad Hoc Committee for Artificial Intelligence be dissolved and that the subject of Artificial Intelligence be referred to the Activity Planning Committee for future regular consideration.

The President thanked Mr. Bauer for his report and the work of the Committee. He proposed that the report be terminated and that the subject be given to the Activity Planning Committee for further review.

Mr. Renard wished to know why the IJCAI did not wish to have an affiliation with IFIP.

Mr. Bauer replied that as the IJCAI was set up in a non-structured form, they did not wish to join a structure such as IFIP.

Mr. Tanaka noted that as there still remained a possibility that IJCAI may wish to join IFIP, this matter would be considered by the Activity Planning Committee as a high priority item.

General Assembly unanimously APPROVED the report and the dissolution of the Artificial Intelligence Committee.

5.2 COMPUTERS AND SOCIETY

The President indicated that the Chairman of this Committee, Mr. Armer, had not submitted a report at this time, but was in the process of collecting a list of Committee correspondents from such countries as Argentina, Australia, Austria, Canada, France, Israel, the Netherlands, Sweden, United Kingdom, U.S.A. and the OECD (Also refer to point 8.1.).

5.3 COMPUTER APPLICATIONS IN THE HUMANITIES

No report was presented for this Committee.

6. COMMITTEE REPORTS

6.1 GENERAL REVIEW OF COMMITTEES

This agenda item was not discussed.

6.2 FINANCE

Mr. van der Poel presented the report (GA – Sofia – 72, Finance Committee) in which the Finance Committee recommended that due to the alarming decrease in IFIP's net worth as shown in the Financial Forecast, every possibility should be explored to increase IFIP's resources. This could be done by planning the congress and conference surplus to be on the safe side, by increasing the membership dues and by securing some returns from IAG.

Mr. Sem-Sandberg felt that an effort should be made to make a profit at all IFIP conferences.

Mr. van der Poel noted that some conferences were often too small to charge an admittance fee.

Mr. Dorodnicyn believed that IFIP should try to avoid increasing membership dues, and rather place more importance on the organization of conferences and the publication of their proceedings.

Mr. Beltran disagreed with an increase of membership dues stating that more activities should be organized in Latin America.

Mr. van der Poel said that the increase of dues would only represent a fraction of the total contribution. In that respect, developing countries were not always able to contribute to the work of various Technical Committees, and therefore their participation was through the payment of dues. Differentiation was thus necessary.

Mr. Douglas felt that IFIP relied far more on royalties than on an income from a conference, a sum which was undependable.

The President proposed acceptance of the report.

General Assembly APPROVED (with 3 abstentions) the report.

6.3 ACTIVITY PLANNING

Mr. Tanaka presented the report (GA – Sofia – 72, APC – 1). The Activity Planning Committee had held three meetings since the last General Assembly. The five current objectives of the Committee were:

1) A Six-Year Plan for IFIP. This plan, even though somewhat behind schedule, was now 30 % complete. The Committee hoped to submit a final version of this plan to Council at its spring meeting. A report on this plan was presented to Council at its spring meeting earlier this year. The report included a list of technical subject areas for IFIP activities with an attempt at assessing the importance of each subject, the information required in order that Council and General Assembly approve Technical Committee Working Conferences, categories of IFIP involvement in conferences (IFIP major involvement, little involvement, and co-operative blessing meaning no name lending or involvement.) The geographical expansion of IFIP activities was defined in a list of methods by which IFIP might help ensure that its activities were not confined to a narrow geographic area. The Committee considered the calendar of events an important factor, and recommended that various IFIP Committees be urged to inform the Secretariat of all changes and that meetings or conferences should be planned well in advance.

2) Suggestions for Additional Activities for the Immediate Future. A proposed time-table for actions had been presented and approved at the Council meeting. This time-table was as follows:

1972 G.A. - Review and evaluate TC 1
 - Review and evaluate TC 2 and its WG's. Consider possibility of re-structuring.
 - Review and establish sub-structure of TC 5.
 - Set up Task Group on Software Engineering.
 - Set up Task Group on Computer Architecture.
 - Review current activities on Legal and Social Implications. Social Sciences Applications, and Optimization.

1973 G.A. - Review and evaluate TC 3, with emphasis on the role of TC 3 with respect to educational activities in other TC's and SIG's.
 - Set up Task Group on Government Applications.
 - Set up an Ad Hoc Committee to study the possibility of organizing an "IFIP World Conference on Man-Machine Interaction".
 - Set up Task Group on Data Bases.
 - Evaluate report of Task Group on Software Engineering New TC, or WG under TC 2, or drop ?
 - Evaluate report of Task Group on Computer Architecture, New TC or drop ?

1974 G.A. - Review and evaluate TC 4; consider possible transformation into a SIG.
 - Evaluate report of Task Group on Government Applications: New TC, new SIG or drop ?
 - Evaluate report of Task Group on Data Bases: New TC or drop ?
 - Evaluate report of Task Group on Legal and Social Implications: TC?
 - Evaluate report of Task Group on Social Sciences Applications: TC ?
 - If established in 1973, review structure of TC on Software Engineering (e.g. WG on System Performance Measurement).
 - Set up Task Group on Technology Extrapolation.
 - Set up Task Group on Professionalism.

1975 G.A. - Evaluate and review TC 6 (Data Communications and Data Networks).
 - Evaluate report of Task Group on Optimization.
 - Set up Task Group on Computer-Aided Design.
 - Set up Task Group on Computer Graphics.

1976 G.A. - Set up Task Group on History.
 - Discuss the aspects of Artificial Intelligence. Task Group ? SIG ? (Maybe the situation will be clearer than today.)
 - Discuss the aspects of Numerical Analysis. SIG ?
 - Evaluate report of Task Group on Professionalism.

1977 G.A. - Discuss the aspects of System Analysis and Design Methodology and Computer Hardware Design.
 - Discuss the aspects of Computer Art. SIG ?

- 3) Establishment of regulations for planning and conducting conferences, symposia and seminars. A TC, when planning a conference should submit the necessary information to the APC who would consolidate the plans of all TCs and SIGs as well as of other organizations with which IFIP organized joint or co-sponsored activities, taking into account the 6-year plan of activities and its financial implications. The plan for the conference, submitted to the Activity Planning Committee, should include the approved description of topic, date of the conference and a statement showing how it fits in, loan or possibly grant requested, name of Chairman of Programme Committee, expected attendance, list of proposed invitees and a plan for publication of the proceedings. Names of conference chairmen, local chairman of organizing committee, members of programme committee would also be desirable. In the event of a cosponsored or joint conference, names of IFIP delegates to the programme and organizing committees should be included.
- 4) Coordination of the schedule of IFIP activities. This should be organized by the Activity Planning Committee and the Secretariat jointly.
- 5) Making recommendations for technologically-oriented meetings held in conjunction with Council and General Assembly meetings. Talks should establish a general overview and thus set the stage for more specialized discussions in the future.

The report also included the following list of potential technical topics:

- 1) Legal Aspects of Software
- 2) Data Networks and their Ramifications: Legal, Technological, Financial
- 3) Computers in 20 Years
- 4) What User Management Expects
- 5) Report on Techniques / Teaching of Programming
- 6) Computers and Developing Countries
- 7) Report from Major Manufacturing Groups

Suggestions from General Assembly members were solicited.

In the course of the discussion, the question arose as to what was to be done with the material from the Technical Session held in Sofia. Messrs. Nakahara and McGovern had prepared a written paper, Mr. Allegre had agreed to rewrite from transcription, and Mr. Glushkov had agreed that his talk could be transcribed from the tapes. There were no volunteers to handle this transcription.

Mr. Tanaka suggested that the three written versions be made available, and wondered whether the transcription could be handled through IFIP.

After discussion, it was recognized that a publication of these speeches would not be feasible.

The subject chosen for the spring Council meeting's Technical Session was Data Network.

The President, speaking of the later Technical Sessions, suggested that the IFIP Technical Committee Chairmen and IAG be the invited speakers.

Mr. Tanaka noted the idea.

With reference to Task Groups, Mr. Tanaka explained that the list was established according to present priorities and that this was a policy document.

Mr. van der Poel considered it necessary that Technical Committees be charged to investigate the problems and matters which might be related to their field of activities.

Mr. Samelson supported the recommendation made by Mr. van der Poel.

General Assembly APPROVED (with 1 abstention) the report APC – 1 and charged the Executive Body to implement the necessary mechanisms to carry out the tasks mentioned in the document.

6.4 STATUTES & BYLAWS

Mr. Tanaka presented the report (CGA – Sofia – 72, STB – 1 and Appendices 1 and 2) in which it was noted that many of the changes made were minor; other changes related to the increase of the number of Vice Presidents and conformed to suggestions and resolutions made at the previous General Assembly meeting.

Attention was drawn to:

- Section 2.1.4, page 4 of the Bylaws, relating to Formal Admissions whereby “the actual admission of an organization following necessary approval by the General Assembly shall occur at a time and place where an official representative of that organization is present”.
- Section 2.6, page 6 of the Bylaws relating to financial obligation of a Full Member during the year of admission whereby: “a new Member may specify whether its membership is to start during the calendar year of approval or during the year following. The applicable annual dues shall be paid prior to or at the time of formal admission to membership”.

Mr. Harder wondered whether a newly-accepted member could vote before having paid his first dues.

Mr. Tanaka believed that a new membership really came into effect with the payment of the first dues.

Mr. Douglas agreed that this was a necessary provision.

Mr. Renard wished to know whether a new text would become effective immediately in the case of General Assembly approval; Brazil had not been informed of this. He felt that the new Statutes and Bylaws should, if approved, come into effect either at the end of the Generals Assembly or at the end of the financial year.

Mr. Tanaka moved that the suggested changes of the Statutes and Bylaws if approved be put into effect immediately following the General Assembly.

General Assembly APPROVED (with 2 against) the new Statutes and Bylaws and agreed that they come into effect at the end of this General Assembly.

6.5 ADMISSIONS

Mr. Renard presented the report (CGA – Sofia – 72, AC-1). Correspondence in view of admission had been exchanged with India, Ireland, New Zealand and Sudan. Re internal changes, the Finnish Data Processing Association had modified its organization to become a federation of local associations; the Argentina Computer Society was now called “Sociedad Argentina de Computacion” and the new Statutes had been received. However, neither of these changes affected the objectives of the societies. No further information had been received from the United Arab Republic or Roumania following their requests for admission.

Mr. Konishi, President of the national Brazilian society, SUCESU – Sociedade dos Usuarios de Computadores e Equipamentos Subsidiarios – had presented a formal request of affiliation to IFIP. SUCESU began seven years ago and since that date had started local SUCESU organizations in six different regions of Brazil. The members, totalling 550, were governmental and private organizations. The Admissions Committee was in possession of the Statutes of the Sao Paulo SUCESU group, other local statutes being modified to comply with the region. Among its aims, the Admissions Committee noted:

- to represent the interests of its associates;
- to promote meetings, congresses, exhibitions of equipment;
- to organize study groups in the field of interest for its associates;
- to promote permanent education and publications in Data Processing.

Mr. Konishi had indicated that the Statutes were to be modified to include missing sections such as rules of admission. Regarding financial resources, it was noted that each associate of a local SUCESU paid the equivalent of a minimum monthly salary. Resources of the national SUCESU were congresses,

governmental aids, and contributions from local SUCESU groups. Concerning activities, SUCESU was involved in promoting Data Processing in Brazil by means of conferences and seminars.

The Admissions Committee therefore recommended that General Assembly admit SUCESU as the Brazilian member.

Mr. Bobillier suggested that membership be subject only to the payment of the first dues – Brazil could either decide to pay this year or next years' dues – and not to their being represented at this General Assembly. In that way there would be no interruption in Brazil's membership.

Mr. Chevion indicated that SUCESU, who co-operated with ACM, was the most important society in Brazil.

Mr. Renard was in agreement with Mr. Bobillier's suggestion.

Mr. Harder suggested that dues be set at \$500 and requested that the society be informed that if they paid this years' dues, there would be no interruption in Brazil's membership.

General Assembly unanimously APPROVED the admission of the Brazilian Society SUCESU as an IFIP Member.

Speaking of Ghana, Mr. Renard noted that since 1970, date of Ghana's entry into IFIP, the representative had not been appointed and the society had not paid its dues (now amounting to \$500 for 1971 and 1972). The Admissions Committee had therefore brought to Mr. Doe's attention the relevant section in the Statutes stating that "The membership of a Full Member shall be terminated by a 2/3 majority of all Full Members ... for being one year in arrears with the payment of dues.....".

Mr. Dorodnicyn felt that IFIP should be as lenient as possible at this stage as Ghana may not be aware of the danger of their being excluded from IFIP.

The President recommended that decision on this matter be delayed until the next General Assembly meeting, but that payment of back dues (\$500) and appointment of the General Assembly representative be requested.

General Assembly APPROVED (with 3 abstentions) the report and recommendation.

With reference to the question of denomination of countries used within IFIP, Mr. Renard indicated the following solutions:

- 1) Use the country names which are now recorded within IFIP without modification and include in the Bylaws a paragraph specifying that the name of a newly admitted country must be taken from the UN/Unesco list;
- 2) Adopt the UN / Unesco list and update the IFIP list according to UN / Unesco modifications;
- 3) Follow the rules of another NGO which could be considered particularly competent with respect to this problem.

The Admissions Committee, after carefully study, recommended that: "The official denomination of an IFIP Member country which is a member of UN or Unesco or member of the specialized agencies and parties to the statutes of the International Court of agencies and parties to the statutes of the International Court of Justice shall be in accordance with the UN / Unesco country name list and shall be used according to the rules governing the use of this list. If a country was not a member of the above-mentioned organizations, then IFIP will use the name indicated by the President of the Member Society". It was noted that IFIP members for whom the adoption of these recommendations would involve some changes had been individually informed and the present report did not imply a change in their representation.

The President felt that these solutions had been worked out with great care. In the following discussions, amendments were made to the text, which amendments have been incorporated in the summary above.

General Assembly APPROVED (with 2 abstentions) the recommendations of the Admissions Committee, including the incorporated modifications.

The Secretariat was requested to ensure compliance with this recommendation.

6.6 IFIP COMMITTEE FOR INTERNATIONAL LIAISON (ICIL)

Mr. Douglas presented the report (GA-Sofia-72, LIAS – 1) and noted that ICIL had met twice since the last General Assembly. Matters to be reported were firstly that relations had now been restored with Unesco after a suspension since December 1971. IFIP had now become an affiliate of the World Health Organization. Consequently, a WHO observer had been present at all TC 4 meetings since March and Messrs. Douglas and Bobillier had visited with WHO. Contacts between WHO and other IFIP Committees were being established. Additionally, IFIP was now a scientific affiliate of ICSU. (International Council of Scientific Unions). With regard to Document E/4800, a follow-up report was being prepared in which IFIP's work would be properly recognized. IBI-ICC had proposed to take over IAG's "Calendar of Forthcoming Events" and ICIL recommended IFIP's approval. ICIL welcomed the initiative of the IBI-ICC proposal, to officially assist with the Second World Conference on Computer Education in Marseille in August 1975. Matters for General Assembly decision were as follows:

- 1) the granting of \$2,000 to the Rio Symposium on "Computer Education for Development".
- 2) with a view to strengthening relationships with other international bodies, ICIL recommended that observers from all bodies with whom we are in relations receive formal, personal invitations to the General Assembly, and that the Manpower Committee assess available technical manpower so that IFIP can nominate experts to appropriate committees in other bodies to act with UN bodies.
- 3) the nomination of Messrs. Douglas, Glushkov and Auerbach to the IBI-ICC Technical Board.
- 4) the nomination of Mr. Douglas to be a non-voting consultant to the Executive Body of IBI-ICC.
- 5) that TC 4 be invited to make proposals to Council for the celebration of the 25th anniversary of WHO in 1973, and that the President or his nominee attend the official WHO celebrations if invited.
- 6) approval of an annual budget of \$1,000 for ICIL.

Mr. Douglas, referring to the last FIACC meeting, felt that a spirit of friendliness prevailed throughout this well-attended meeting. IFIP and IFORS were considering ways to co-operate more effectively together, a useful co-operation for everyone.

Replying to Mr. Dorodnicyn's query as to the significance of the IBI-ICC Technical Board, Mr. Douglas explained that the Board had been created in order to answer questions asked to IBI-ICC from governments on the technical aspects of computing.

Speaking of the two nominated positions (Points 3 and 4 above), Mr. Douglas felt that such terms and their length should be revisable.

The President requested volunteers for the Manpower Committee, and invited all General Assembly Members to contribute to the coordination with FIACC on a national level.

General Assembly APPROVED (with 1 abstention) the report.

6.7 IFIP EDUCATION POLICY

Mr. Chevion presented the report (GA-Sofia-72, EPC – 1). The Committee was to prepare a report, in consultation with TC 3, to be presented to General Assembly 1973 which would include a review of IFIP activities in the field of education; a study on ways of increasing IFIP's activities in education in view of the trends in the computer field; a study on the possibilities of activities relating to developing countries; and a study of relations with UN agencies including IBI-ICC and with other intergovernmental bodies with an aim to furthering education activities of IFIP, particularly in developing countries.

General Assembly NOTED the report.

6.8 IFIP SEMINAR FELLOWSHIPS

Mr. Sem-Sandberg presented an oral report and indicated that the fellowship in question would involve amounts beyond IFIP's capacity. He therefore suggested that this Committee be dissolved.

Mr. Beltran felt it important not to drop this action but to try to find solutions to the problem of IFIP being able to grant fellowships for applicants coming from developing countries to attend seminars (and / or any other IFIP or IAG activity). One should explore not only the granting of financial resources from IFIP, but also ask organizations such as Unesco, IBI-ICC, OECD, OAS, and others to put a certain number of fellowships at IFIP's disposal for the selection of candidates.

General Assembly APPROVED (with 3 abstentions) the oral report and the dissolution of this Committee.

6.9 NOMINATIONS COMMITTEES

6.9.1 Nominations Vice-President

Mr. Hume presented the report (GA-Sofia-72, NVP – 1) in which the Committee proposed the election of Mr. Douglas as Vice President.

There were no nominations from the floor.

General Assembly NOTED the nomination.

6.9.2 Nominations Secretary & Treasurer

Mr. Zeleznikar presented the report (GA-Sofia-72, NST – 1) in which the Committee proposed the election of Mr. Bobillier as Secretary and Mr. Tuori as Treasurer.

There were no nominations from the floor in either case.

General Assembly NOTED the nominations.

6.9.3 Nominations Trustees

Mr. Lukaszewicz presented the report (GA-Sofia-72, NTE – 1) in which the Committee proposed the election of Messrs. Mentalecheta and Iliev as Trustees for a 3-year term.

There were no nominations from the floor.

General Assembly NOTED the nominations.

6.10 FOUNDATIONS COMMITTEE

Mr. Harder delivered an oral report stating that there was no real need for a foundation for the World Conference on Computer Education. He therefore recommended that General Assembly accept this resignation, and the dissolution of the Committee.

General Assembly unanimously APPROVED the dissolution of this Committee.

6.11 RECOGNITION COMMITTEE

Mr. Harder reported orally saying that negotiations were still under way to find a sponsor for top IFIP awards, and that IEEE, ACM and ISO awards did not always apply to IFIP

General Assembly NOTED the report.

6.12 PUBLICATIONS COMMITTEE

Mr. Kroneberg presented the report (CGA-Sofia-72, PUB – 1).

Past and future meetings of this Committee concentrated on the elaboration of guidelines for the publication of conference proceedings, paying special attention to a possible change of congress pre-prints and congress proceedings. This task was being coordinated with the Congress Organization Committee. Marketing ideas were being worked on with North-Holland with a view to giving international publicity to IFIP publications.

Mr. Kroneberg stated that a total of approximately \$40,000 had been received from royalties. He requested General Assembly Members to help promote the distribution of a leaflet being prepared by North-Holland in which titles of all new and existing IFIP publications were to be found.

Mr. Bobillier suggested that these leaflets be sent in bulk to General Assembly Members who would handle appropriate distribution.

The President proposed that an announcement regarding the leaflet be put in local journals.

Mr. Kroneberg wished to thank Mr. Freeman for editing the Ljubljana Congress Proceedings, a job done very quickly. Also, due to the very competent job done by the editors, Messrs. Nake and Rosenfeld, the publication "Graphic Languages" was on the market.

Mr. Kroneberg noted that the 10th Anniversary Proceedings entitled "The Skyline of Information Processing" would soon be published. The four publications scheduled for 1973 were

- Computer Application on ECG and VCG Analysis
- Working Conference on Programming Teaching Techniques
- Working Conference on Mathematical Models in Biology and Medicine
- Principles of Computer-Aided Design

Mr. Kroneberg proposed to send a list of IFIP publications to General Assembly Members.

It was noted that a complete list of publications and royalties would be attached to the Minutes, under the heading T-5.

General Assembly unanimously APPROVED the report.

6.13 PUBLIC INFORMATION COMMITTEE

The President, noting that the present Chairman, Mr. Herbert, was not sure if he could continue the chairmanship of this Committee, requested suggestions for the position of Chairman.

Mr. Bobillier felt that part of the scope of this Committee was the editing of the IFIP Bulletin, as it should be oriented to informing more broadly the public on IFIP activities.

General Assembly NOTED the discussions.

7. IFIP CONGRESSES

7.1 CONGRESS 71

Mr. Osredkar presented the report (C.71 OC-1) comprised of Financial Report on IFIP Congress and Exhibition 71 and the Final Report of IFIP Congress and Exhibition 71. The Final Report gave a historical summary of events leading up to Congress 71. There were 2,488 participants from 49 countries, 420 exhibitors from 18 countries and 91 journalists from 11 countries taking part in the Congress. 29 invited speakers from 11 countries spoke at the Congress and 214 submitted papers from 35 countries were presented. 4 symposia and 14 informal meetings were also held within the framework of the scientific program. There were no delays in the program, this being due in large extent to the Vice-Chairmen and technical secretaries appointed for each session.

The Exhibition was comprised of 66 firms covering a total of 2,734 m². For various reasons, it was impossible to attain as high a technical level as had been hoped for in the first place. Nevertheless, most exhibitors seemed to be satisfied.

On the whole, IFIP Congress 71 was considered to be a success.

Referring to the Financial Report, it was noted that the anticipated income amounted to \$310,000 and the actual income amounted to \$350,059. Increased income amounted to \$40,059. The difference between allowed and actual expenses amounted to \$13,590. Expenses unforeseen by the budget were \$7,500 paid to North-Holland for the preparation of the pre-prints; \$5,463 representing the rental increase of the Conference Hall; and \$31,950 representing the dinar inflation which occurred between 1970 and 1971. In spite of the drawbacks, a surplus of \$3,616. was achieved. The organizers were able to cover all the unpredicted expenses and reimburse the loans granted by the IFIP Secretariat in Geneva which amounted to \$15,000. The Executive Committee IFIP 71 considered that the submitted financial report duly reflected the world economic situation between 1970 and 1971 in the field of computer science and economy since the participation in the Congress was less than expected.

The Executive Committee IFIP 71 therefore proposed that Council and General Assembly adopt the report so that this Committee could officially stop functioning.

Mr. Osredkar suggested that for future Congresses, better local activity in countries and clearer instructions as to the goal and how to go about obtaining it should be available. He thanked the various bodies – authorities and associations in Yugoslavia, IFIP bodies and members – for their contribution to the success of the Congress, and gave a special vote of thanks to Mr. Dular of Magistrat.

The President expressed IFIP's thanks to the authorities, the various committees and groups, and to the individuals who worked for IFIP Congress 71 and who were responsible for its success.

General Assembly unanimously APPROVED the two reports.

Mr. Dular, speaking on behalf of Magistrat, offered his thanks for the support that was given by IFIP and many of its members individually. The Congress was, for Magistrat, not only a big responsibility, but also an experience, and for this reason a film had been prepared to try to reproduce some of the atmosphere of the Congress. Mr. Dular then presented the film to the General Assembly.

Remark: The transfer of the surplus of \$3,616 to the IFIP Secretariat in Geneva was still to be done. Details about the financial settlement had been discussed during the Council meeting and are reported in the Minutes.

7.2 CONGRESS ORGANIZATION

Mr. Genuys presented the report (GA-Sofia-72, COC – 1) in which it was noted that the Committee had held three meetings since the last General Assembly. The main objectives of the Committee were firstly the assistance to Congress 74 Organizing Committee, and in this respect, he pointed out that Swedish observers attended Congress Organization Committee meetings. Members of both Committees were working together on this matter. The second objective of the Committee was the preparation of Congress Guidelines. The draft of the chapter on Site Selection was included with the document, and this outlined such matters as presentation of submissions, facilities for the Congress and its exhibition, accommodation for participants, environment, local sponsoring professional organization, local support

– financial aids and preliminary budgetary information. The wording for the provisional budget would be submitted by 1st January, and these budgets must be established to give a surplus as a percentage of the registration income.

Mr. Hume wondered whether IFIP was to continue on the basis of N-4 as time of submission (N being the Congress year).

The answer was affirmative.

Mr. Hume questioned point 5.4, page 3 of the Guideline, which stated “will financial advances be possible ? On what terms ?”

Mr. Genuys explained that this meant in fact who would provide the financial advances.

Mr. Harder believed that it would be worthwhile looking into the proposal to allocate a proportion of IFIP total expenses to Congress in the future. With reference to point 5.8, page 3 which stated “in case an IFIP loan is required, specify the exact conditions”, Mr. Harder said that IFIP required repayment to be made as soon as funds were available, and in no case less than two months following the Congress.

The President recommended that General Assembly not only accept the report of the Congress Organization Committee, bus also the idea that it would be a tool for Site Selection.

Mr. Genuys indicated that this document should not be considered as unchangeable in its entirety, but rather that it was an indication of what was hoped for. However, he requested that General Assembly indicate the amount of surplus that was expected from each participant.

The President suggested that propositions be presented to the Council meeting in the spring.

Mr. Genuys said that the final draft would be ready by end November, 1973, and that this would be sent to Messrs. Hume, Bennett and Goto.

General Assembly unanimously APPROVED the report.

7.3 CONGRESS 74

7.3.1 Programme Committee

Mr. Freeman, referring to the Programme Committee report, found in the Annual Report (page 87), noted that the Committee would consist of 11 members, all but one of which positions had been filled, as follows:

Chairman	USA	H. Freeman
Past Chairman	SU	V. Glushkov
Vice Chairman	SU	Y. Shmyglevski
Vice Chairman	S	
Mathematical Sciences	USA	R. Karp
Hardware & Architecture	GB	M. Wilkes
Software	PL	W.M. Turski
Technical and Scientific Applications	J	T. Sakai
Business & Government Applications	USA	J. Lubin
Education & Social Implications	F	J. Hebenstreit
Advisor	CDN	C. Gotlieb

Three meetings were tentatively scheduled to be held prior to Congress 74. It had been decided to retain the same format as used for other IFIP congresses – that is, an opening session on Monday, a closing session on Saturday, and 8 half-day sessions, each consisting of 6 or 7 parallel meetings on different topics. Presentation would consist of approximately 32 invited papers, and approximately 200 submitted papers. These papers would be referred by a minimum of two reviewers. Papers should be strongly related to the design or use of computers. There would also be 3 – 5 panel sessions on topics of particular current interest, and non-structured informal evening sessions. A Call for Papers had been drafted and would be printed and distributed in early 1973. Deadline for submission of papers was tentatively set for 15 November 1973. It was unanimously recommended that consideration be given to

the possibility of issuing the complete proceedings prior to the Congress. The Committee also recommended that scheduling of other meetings by IFIP during the week of the Congress should be avoided. A proceedings editor would be selected within the next three months.

Mr. Freeman said that the most important meeting was that scheduled for spring 1974. At that time, the programme would be assembled, papers would be selected, and national correspondents would be invited to advise on particular details.

Mr. Renard felt that the Programme Committee should keep total control over the informal evening sessions, and that attendees should be invited by IFIP.

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

Mr. Freeman thought it was essential that the Programme Committee have the freedom to put the programme together. Any suggestions would be seriously considered by the Committee.

Mr. Renard suggested that papers could be received in four languages, but published in English. He also thought that a translator should be provided for those persons who wished to present their paper in their own language. The Call for Papers should request the language of presentation of papers desired. The speakers should be clearly aware of the existing possibilities – either to present their paper in their own language or to present it in English.

Mr. Freeman thought that the same method as used at the last Congress should be implemented, but improved.

General Assembly APPROVED (with 2 abstentions) the report.

7.3.2 Organizing Committee

Mr. Svenonius presented the reports (C.74 OC-1, OC-2 – the Draft Budget – OC -3 – an estimate of the number of participants to attend from each country – OC-4—registration fee, OC-5 – informal specialists meetings, OC-6 --exhibitor presentations of papers, OC-7 – special decision maker/management session, OC-8 – conceivable disposition of Congress and Exhibition space).

The Swedish National Organizing Committee consisted of six members, with Mr. Svenonius as Chairman. Seven subcommittees composed of some 50 members had been formed to assist the Organizing Committee in planning and carrying through the Congress. Preparations had been made to form a Congress Committee IFIP Congress 74, chaired by a member of the Swedish Ministry for Industry. After a recommendation made at the IFIP Council meeting, and agreement by TC 4, it had been decided to hold the IFIP World Conference on Medical Informatics at the same time as Congress 74 in Stockholm. Each would nevertheless retain its separate identity. Negotiations had been started with St. Eriks Fair as well as with professional convention arrangement firms, travel agencies, Scandinavian Airlines System, printing offices and printing houses. It was no longer considered necessary to establish a legal entity in the form of a corporation, as this would not be required from a tax and personal risk point of view. The Organizing Committee would therefore continue to operate as a Committee. In addition, as IFIP was registered in Geneva, no taxes would be levied in Sweden, and a letter to this effect was in preparation by the Swedish Tax Authorities. A guarantee of approximately US\$ 105,000 to IFIP Congress 74 has been granted and ratified by the Swedish Parliament in the event of force majeure. The Draft Budget was based on the following information: 2,750 registrants at IFIP Congress 74 and 750 registrants at the Conference on Medical Informatics. Registration fee was set at \$70.00 for both categories of registrants. 3,000 m² would be sold for Congress 74 and 1,000 m² for the Conference on Medical Informatics. The revenue from the sold area was based on 20% of \$75. per m² in excess of 2,500 m².

Approximate budgeted income amounted to \$267,500 while approximate budgeted expense amounted to \$185,000. IFIP surplus would therefore amount to approximately \$82,500.

The problem of editing and printing costs of the preprints was not yet settled. The Programme Committee could take over the editing.

It was further recommended (in document OC-4) that the Congress participation fee up to 31 March 1974 be set at \$70 and the late registration fee as from 1 April 1974 be set at \$90. The Organizing Committee would consider the possibility of allowing a portion of the fee to be paid in local currency in all countries where currency restrictions required such an arrangement. Investigations to this effect would be reported to the next General Assembly. A suggestion was made (in document OC-5) to investigate the possibilities of arranging informal meetings on various topics during some evenings of the Congress week and that these, if desired, be included as part of the programme. It had equally been suggested (in document OC-6) that exhibitors be given the possibility to present qualified papers in separate sessions during the Congress. Selection of papers could be handled by a separate Exhibit Programme Committee with representatives from BEMA; ECMA, OC-74 and IFIP, and it was recommended that Mr. Sem-Sandberg investigate such possibilities and present this to the next Council meeting. Additionally, a special two-day session addressing itself specifically to the problems of managers and decision makers had been suggested.

A separate fee could be charged for participation. It was requested that Mr. Sem-Sandberg investigate the practicality of such a session and that authorization be given to the Executive Body to make a final decision. The disposition of congress and exhibition space (document OC-8) indicated that 10 halls with 6,500 seats would be available within the given area of 6,500 m².

Mr. Tanaka asked who would pay a possible loss.

Mr. Sem-Sandberg noted that the guarantee was a broad coverage, and that if there was a mismanagement by IFIP or its appointed personnel, the guarantee would be refused.

Mr. Bobillier stressed that IFIP wished a general measure of protection.

Mr. Svenonius indicated that the Swedish Government representative to the committee would make status reports to the Government, but that it was IFIP's responsibility to run the Congress.

Mr. Tanaka wondered if it would not be valuable to explore the possibility of setting up a separate corporation to run the Congress, which would then protect IFIP somewhat.

Mr. Svenonius said that if IFIP did not assume the responsibility for the Congress, then the Congress would no longer be tax free.

Mr. Samelson suggested to go ahead on the proposed basis, and ask Council to try to solve the question of a complete guarantee.

General Assembly APPROVED (with 1 abstention) Mr. Samelson's proposal.

Regarding the World Conference on Medical Informatics, General Assembly wished to keep the two conferences separate and NOTED that details should be worked out between the two Programme Committees.

General Assembly APPROVED (with 1 abstention) the reports OC-1, 2, 4 and 8.

7.4 CONGRESS 77 / 80 SITE SELECTION

The President mentioned the proposal to deal with the two Congresses at the same time.

Mr. Bennett thought it undesirable to freeze plans so far ahead of time, and suggested that the four year recommendation of the Congress Organization Committee be applied.

Mr. Sem-Sandberg proposed that the site selection for Congresses 77 and 80 be decided one year apart.

General Assembly NOTED the discussion and AGREED to decide upon the site of Congress 77 in 1973 and the site of Congress 80 in 1974.

8. CONFERENCES AND FUTURE EVENTS

8.1 MAN AND MACHINE CONFERENCE

The President said that contacts were being set up. A provisional organization committee was being established in Vienna and the Conference preparations for spring 1974 were going ahead. Mr. Armer and his committee would delegate members to the Programme Committee. A detailed proposal would be submitted to the IFIP Council at its spring meeting in 1973.

General Assembly NOTED the oral report and APPROVED that the preparations for this Conference, scheduled for spring 1974, should go ahead.

8.2 OTHER EVENTS

8.2.1 The Rio Symposium on Computer Education for Developing Countries

Rio de Janeiro, Brazil, from 6 – 12 August 1972.

Mr. Chevion presented the Interim Summary which noted that the Symposium was organized by the Brazilian Academy of Sciences and the IBI-ICC with the sponsorship of IFIP, UNO, Unesco and a number of national organizations and institutions.

Participation of 300 professionals from 40 countries was achieved, 70% coming from Latin America and 30 from other parts of the world. The aim of the Symposium was to be a meeting point for discussion on Computer Education problems for Developing Countries, with particular stress on Latin America. There were 60 lecturers and panel participants involved. The format of the Symposium programme, to have invited speakers as lecturers in the morning sessions and panels on the same topics in the afternoon, provided positive results. However, the following points were noted:

- 1) even though countries can benefit from each others experience, each country must find its own ways for computer education;
- 2) special emphasis should be given to the relations between developing countries among themselves;
- 3) establishment of international data information centres on curricula and professional manpower;
- 4) developing countries should strive to design a priority list of national plans;
- 5) developing countries should strive to enter into appropriate bilateral agreements;
- 6) future symposia should also focus on selected developing countries according to their stage of development;
- 7) future symposia should include the inter-action between education and applications;
- 8) future symposia should lessen the number of panellists in each panel;
- 9) future symposia should diversify lecturers and panellists;
- 10) future symposia should include unstructured, informal "speak-up" sessions;
- 11) IFIP and National Societies should become the moving force behind international, bi-national and national actions towards the formulation of programmes and their implementation in the field of computer education.

One of the immediate favourable results was the initiative taken during the Symposium by participants from Latin American countries to install a provisional Bureau for exchange of information in the field of computer education.

The Rio Symposium gained wide publicity in international and local press. Proceedings prepared by a Brazilian publisher would appear shortly. The Budget, amounting to approximately \$90,000, appeared to be balanced, with even a small surplus.

This Symposium was regarded as a link in a chain of international events in the field of computer education.

General Assembly NOTED the report.

8.2.2 The USA-Japan Computer Conference

Mr. Tanaka presented an oral report. The USA-Japan Computer conference, jointly sponsored by the American Federation of Information Processing Societies (AFIPS) and the Information Processing Society of Japan (IPSJ), consisted of three major events: a Technical Program during 3 -5 October 1972, an Exhibition from 3 through 7 October 1972; and tours of Japanese installations, factories and laboratories, 9 – 11 October 1972.

The Conference was very successful, in all respects. There were approximately 1,000 registrants for the Conference itself and an estimated 30,000 attended the Exhibition. The tours, which opened several Japanese facilities for the first time to outsiders, were fully booked.

The loans from the sponsoring societies have been returned and a reasonable surplus from the Conference will be distributed to the two sponsoring societies.

Discussions are in progress for a second Conference of this type, to be scheduled so that it will not be in conflict with the IFIP Congresses. A possible date is early 1975.

The President noted that this was a model for events sponsored on a regional basis by groups of countries involved in IFIP.

General Assembly NOTED the report.

8.2.3 The Second World Conference on Computer Education, 1975

Mr. Chevion presented the report (CGA-Sofia-72, WCCE-1). The Steering Committee for this conference had met twice. The AFCET proposal to hold the conference in Marseilles in August 1975 was accepted. A sound balanced budget of \$166,000 had been established, and AFCET was taking over financial responsibilities for the operation. Other French sources could supply \$40,000 and IBI-ICC could hopefully supply \$30,000. The Steering Committee recommended that IFIP provide a loan of \$10,000 of which \$5,000 may not be returned in the case of a deficit. The Conference would be bilingual (French and English) and an exhibition of educational aids and books would be organized.

Mr. Bobillier asked if the publication of proceedings was planned.

Mr. Chevion answered that proceedings would be published in conformity with normal IFIP policies.

Mr. Tanaka proposed that the disposition of the surplus should be agreed upon beforehand.

Mr. Genuys, speaking on behalf of AFCET, agreed that the AFCET and IFIP share of the surplus would be equal.

General Assembly APPROVED (with 2 abstentions) the report.

8.2.4 Conferences and Congresses Requesting IFIP Participation

- 1) IMEKO Congress, Berlin, March 1973. Mr. Lehman is a representative on the Programme Committee;
- 2) Algiers Conference on Systems Approaches to Developing Countries (IFAC/IFORS conference), Algiers, 28 -31 May 1973. Mr. Duyverman is the representative;
- 3) Seventh International Congress of AICA, Prague, 26 -31 August 1973. The representative has not yet been appointed;
- 4) IFIP/IFAC/JSNA Joint Conference on Computer Applications in the Automation of Shipyard Operations and Ship Design, Tokyo, 28 -30 August 1973. Representatives are Messrs. Williams and Goto;
- 5) 4th IFAC/IFIP Symposium on Digital Computer Applications to Process Control, Zurich, 19-22 November, 1974. Representatives are Messrs. Plander and Herborg-Nielsen;
- 6) 2nd IFAC/IFIP/IFORS International Symposium on Traffic Control and Transportation Systems, Menton / Monte Carlo, September 1974 (2nd fortnight). The representative is Mr. Luh.

8.2.5 Requests for IFIP Co-sponsorship

Mr. Lukaszewicz spoke about INFOPOL, the Polish Conference to be organized with ACM. The topic was: Informatics – Application to Management. This Conference was to be held in December 1973.

Co-sponsorship was also requested for a conference to be held at High Tatras, Czechoslovakia in September 1973 on “Mathematical Foundations of Computer Sciences”.

The Conference on Pattern Recognition to be held in Washington, USA from 30 October – 1 November 1973 requested IFIP co-sponsorship.

General Assembly APPROVED the co-sponsorship of these conferences.

9. FIACC

No report was presented on this subject.

10. GENERAL CONSIDERATIONS

10.1 FUTURE COUNCIL AND GENERAL ASSEMBLY MEETINGS

Mr. Hume announced that he had the pleasure to extend an invitation for the next General Assembly Meeting to be held in Toronto, Ontario, Canada, from 15 -19 October 1973.

General Assembly unanimously APPROVED the proposal.

The future schedule was as follows:

Council 1973	Munich	9 – 11 April
General Assembly 1973	Toronto	15 – 19 October
Council 1974	Australia	tentative
General Assembly 1974	Stockholm	August
CONGRESS 1974	STOCKHOLM	5 – 10 August
Council 1975	United Kingdom	tentative
General Assembly 1975	Japan	tentative
Council 1976	open	
General Assembly 1976	U.S.S.R	tentative

11. ELECTIONS

11.1 ELECTION OF A VICE-PRESIDENT

The nominee for the position of Vice-President was Mr. Douglas.

General Assembly APPROVED, unanimously, by secret ballot, the nomination of Mr. Douglas as Vice-President for a three-year term.

The President declared Mr. Douglas duly elected Vice-President for a term of three years and congratulated him on his election.

Mr. Douglas thanked the President and delegates for this vote of confidence.

11.2 ELECTION OF SECRETARY & TREASURER

The nominees for the positions of Secretary and Treasurer were Messrs. Bobillier and Tuori respectively.

General Assembly unanimously APPROVED, by secret ballot, the nomination of Mr. Bobillier as Secretary for a three-year term and APPROVED, by secret ballot, the nomination of Mr. Tuori as Treasurer for a three-year term and

Messrs. Bobillier and Tuori thanked the President and delegates.

The President then took the opportunity to thank Mr. Harder warmly for his many years of good service to IFIP. He said that it was indispensable to have Mr. Harder as an advisor to IFIP in the future.

General Assembly applauded to express IFIP's thanks to Mr. Harder.

11.3 ELECTION OF TRUSTEES

The nominees for the position of Trustee were Messrs. Mentalecheta and Iliev.

General Assembly APPROVED, by secret ballot, the nomination of Mr. Mentalecheta as Trustee for a three-year term and APPROVED, by secret ballot, the nomination of Mr. Iliev as Trustee for a three-year term and

The President declared Messrs. Mentalecheta and Iliev duly elected Trustees for a three year term and congratulated them on their election.

Messrs. Mentalecheta and Iliev thanked the President and delegates.

The President proposed that Mr. Dorodnicyn be requested to remain Past President of IFIP for one more year.

General Assembly unanimously APPROVED this proposal.

There being no further business, the President closed the meeting and thanked all participants for their active co-operation and the local Organizing Committee for its efforts and hospitality.

ACTION LIST

- I. EXECUTIVE BODY is charged to implement the necessary mechanisms in order to carry out the tasks mentioned in the Activity Planning Committee report (Point 6.3, Activity Planning).
- II. COUNCIL is requested to find a solution to the question of arranging a complete guarantee for Congress 74. (Point 7.3.2, Congress 74 Organizing Committee).

- III. GENERAL ASSEMBLY

General Assembly Members concerned are requested to give an account of the outstanding bills for Congress 71 in their relevant countries. (Council Minutes, Congress 71, Point 6.2).

General Assembly Members are requested to offer suggestions to the ideas put forth in the Activity Planning Committee Report (Point 6.3, Activity Planning Committee)

General Assembly Members are requested to appoint members to the Manpower Committee (Point 6.6, Committee for International Liaison).

General Assembly Members are requested to contribute to the coordination with FIACC on a national level (Point 6.6, Committee for International Liaison).

General Assembly Members are requested to assist in the distribution of a leaflet being prepared by North-Holland in which titles of all new and existing IFIP publications were to be found, and that an announcement be published in local journals indicating the existence of this leaflet. (Point 6.12, Publications Committee).

General Assembly Members are requested to promote the sale of the 10th Anniversary Volume when it is published in their countries (Point 6.12, Publications Committee).

General Assembly Members who have not yet done so are requested to appoint their IFIP Correspondent.

- IV. TC 1, TERMINOLOGY

Send a letter to TC 1 and General Assembly Members requesting that the second volume of the IFIP Guides to Concepts and Terms in Data Processing be translated into their respective languages as soon as possible (Point 4.1, TC 1).

- V. TC 2, PROGRAMMING

Prepare a plan for Council approval in the spring meeting 1973 for Working Conference of Data Base Management Systems, Nice, April 1974 (Point 4.2, TC 1)

- VI. TC 3, EDUCATION

Co-operate with the IFIP Publications Committee in the publication of a further set of working papers of the French Seminar in ADP (Point 4.3, TC 3).

WG 3.3, INSTRUCTIONAL USES OF COMPUTERS

WG 3.4, POST-SECONDARY EDUCATION AND VOCATIONAL TRAINING

Any person interested in joining these Working Groups are requested to contact the respective Chairmen (Point 4.3, TC 3)

- VII. TC 4, INFORMATION PROCESSING IN MEDICINE

Mr. Douglas is charged to work out a wording acceptable to both General Assembly and TC 4 regarding Point 5, page 5 of the TC 4 report to the General Assembly which stated that "there will be a common budget for the Conference and the Congress and part of the profits (related to the proportion of people at each) will be reserved for future IFIP medical activities". (Point 4.4, TC 4).

TC 4 is invited to make proposals to Council for the celebration of the 25th anniversary of WHO in 1973 and the President or his nominee should attend official WHO celebrations if invited (Point 4.4, TC 4).

- VIII. IAG
IAG is requested to submit the proposed budget of the IFIP subsidiary to the Council at its spring 1973 meeting, along with the maximum amount of general structural ideas in this respect. (Point 4.8, IAG).
- Mr. Duyverman is requested to submit the rules of the IAG desks to Council Members in writing before the end of 1972 (Council Minutes, Point 5, IAG)
- IX. ADMISSIONS COMMITTEE
The Admissions Committee is requested to ask Ghana to pay their outstanding back dues (\$500) and appoint a representative to the General Assembly (Point 6.5, Admissions).
- X. CONGRESS 71, ORGANIZING COMMITTEE
Congress 71 Organizing Committee is requested to prepare a list of material still available from Congress 71 (Council Minutes, Point 6.2, Congress 71).
- XI. CONGRESS ORGANIZATION COMMITTEE
Congress Organization Committee is requested to submit the wording of the Provisional Budget by 1 January 1973 (Point 7.2, Congress Organization).
- Congress Organization Committee is requested to send the final draft of the report to Messrs. Hume, Bennett and Goto when it is ready in November 1973. (Point 7.2, Congress Organization).
- XII. PROGRAMME COMMITTEES OF THE TWO CONFERENCES
Programme Committees of the IFIP World Conference on Medical Informatics and IFIP Congress 74 are requested to work out details to keep the two conferences separate.
- XIII. SECRETARIAT
Secretariat is requested to comply with the recommendation of the Admissions Committee concerning the denomination of Member Countries.

BUDGET 1973

(As Approved By
General Assembly
27 October, 1972)

	<u>Final</u> <u>Sofia</u> <u>1973</u> <u>Budget</u>	<u>U.S. \$</u> <u>Reference</u> <u>Ljubljana</u> <u>1972</u> <u>Budget</u> ²
<u>INCOME</u>		
Member Dues	19,000	19,125
Royalties	6,000	4,000
Interest	8,000	8,000
IFIP Congress 71		
Surplus	3,600	1,000
Return of Loan	10,000	15,000
<hr/>		
<u>Total Income</u> (not including returned loans)	36,600	36,125

EXPENDITURES

<u>Approvals</u> <u>Required</u> ¹	<u>Account</u>		
President	<u>President's Account</u>		
	Contingency	1,000	1,000
	Conferences	0	3,000
	Emergency Travel / Others	600	700
	Office Expenses	400	300
	T o t a l	2,000	5,000
		<hr/>	
Vice-President Sem-Sandberg	<u>V.P. Acct., Sem-Sandberg</u>		
	Office Expenses	400	400
	Emergency Travel / Others	600	500
	Travel and Subsistence	700	800
	T o t a l	1,700	1,700
		<hr/>	

1. President or Treasurer may approve in lieu

2. As revised in Vienna, April 1972

BUDGET 1973ATTACHMENT 2.

		U.S. \$	
		<u>Final Sofia 1973 Budget</u>	<u>Reference Ljubljana 1972 Budget</u> ²
<u>EXPENDITURES</u>			
<u>Approvals Required</u> ¹	<u>Account</u>		
Vice-President Goto	<u>V.P. Acct., Goto</u>		
	Office Expenses	200	200
	Emergency Travel / Others	500	500
	Travel and Subsistence	<u>2,000</u>	<u>2,000</u>
	T o t a l	2,700	2,700
<hr/>			
Vice-President Douglas	<u>V.P. Acct., Douglas</u>		
	Office Expenses		300
	Emergency Travel / Others		500
	Travel and Subsistence	<u>800</u>	<u>0</u>
	T o t a l	800	800
<hr/>			
Secretary	<u>Secretary Expenses</u>	500	500
<hr/>			
Treasurer	<u>Treasurer Expenses</u>	1,000	1,000
<hr/>			
Secretary	<u>Administrative Secretariat</u>		
	Salary	7,000	7,000
	Rent	1,400	1,400
	Office Equipment	1,000	1,000
	Office Expenses	4,300	4,300
	Travel Expense	1,000	1,000
	Bank Charges	80	80
	Auditors Fees	150	150
	Meetings	270	270
	Unforeseen	<u>2,000</u>	<u>2,000</u>
	T o t a l	17,200	17,200
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BUDGET 1973ATTACHMENT 2.

		<u>U.S. \$</u>	
		<u>Final Sofia 1973 Budget</u>	<u>Reference Ljubljana 1972 Budget²</u>
<u>EXPENDITURES</u>			
<u>Approvals Required¹</u>	<u>Account</u>		
	<u>Technical Committees</u>		
TC Chairman	TC 1 Terminology	500	1,000
and	TC 2 Programming	1,700	3,500
Vice-President	TC 3 Education	4,900	5,400
	TC 4 Medicine	4,000	2,000
	TC 5 Technology	3,400	1,600
	TC 6 Data Communication	2,500	1,000
	TC 7 Optimization	<u>1,200</u>	<u>1,000</u>
	T o t a l	18,200	15,500
		<hr/>	
Treasurer	IFIP Subsidiary	<u>5,000</u>	
	<u>Other Committees</u>		
President	IFIP 74 Programme Committee	6,000	1,000
Chairman	Inter. Liaison (ICIL)	1,000	1,500
Chairman	Publication Committee	200	200
Chairman	Congress Organ. (COC)	1,000	500
Chairman	Education Policy Committee	1,000	
President	WCMI-74 Medical Prog.	<u>4,000</u>
	T o t a l	13,200	3,200
		<hr/>	
	<u>Grants to Conferences</u>		
	TC 2, Graphic Languages		2,000
	TC 2, Prog.Train.Tech.		2,000
	TC 4, Varna Work.Conf.		1,000
	TC 5, Comp.Aid.Design		2,000
Chm. & V.P.	TC 2, High Level Lang. (Trondheim)	<u>2,000</u>
	T o t a l	2,000	7,000
		<hr/>	

BUDGET 1973

ATTACHMENT 2.

		<u>U.S. \$</u>	
		<u>Final</u>	<u>Reference</u>
		<u>Sofia</u>	<u>Ljubljana</u>
		<u>1973</u>	<u>1972</u>
		<u>Budget</u>	<u>Budget</u> ²
<u>EXPENDITURES</u>			
<u>Approvals</u> <u>Required</u> ¹	<u>Account</u>		
	<u>Loans to Conferences,</u> <u>Seminars, Groups</u>		
Treasurer	IFIP Subsidiary Advanced Seminar Prog.	20,000	3,000
President	IFIP Congress 74	10,000	5,000
	TC 3, ADP Seminar-Chile		5,000
	TC 5, Shipyard Autom. Japan		2,000
President	WCE-75 (AFCET)	<u>7,000 *</u>	
	T o t a l	<u>37,000</u>	<u>15,000</u>
	T o t a l E x p e n s e (not including loans)	<u>64,300</u>	<u>54,600</u>

* \$10,000 Total through 1975
\$ 5,000 Guaranteed Return to AFCET
\$ 2,000 to Steering Committee, 1973