



**I. F. H. E.**

**INTERNATIONAL FEDERATION OF HOSPITAL ENGINEERING  
FEDERATION INTERNATIONALE D'INGENIERIE HOSPITALIERE**

**THE FIRST 22 YEARS**

**1970 TO 1992**

## FOREWORD

The Council of the International Federation of Hospital Engineering at their meeting in Davos, Switzerland in June 1989 asked the Executive Committee to consider the production of a booklet marking the 20th. anniversary of the formation of the Federation covering its history; its birth, development, activities etc. The Executive Committee needed to consider the content and the extent it might be used to publicise the Federation.

At Their meeting in Nicosia, Cyprus in June 1991 Council accepted the Executive Committee's view that such a booklet is unlikely to be of interest to the general public and that the financial risk in producing a large number of printed books with this in mind would be too great.

The Council then accepted the Executive Committee's recommendation that a document be produced in the form of an internal report to members of Council, from which other publicity and historical papers could be prepared. It would also give each individual member of Council, on appointment, his own source book about the Federation. It was agreed to include selections from the Federation's archives.

The booklet consists of a summary of all the Council minutes recorded from 1970 to 1992 recording the main recommendations which have contributed to the development of the Federation. It includes the current version of the Statute, a further summary of decisions arranged under subject headings for easy reference when a particular topic is raised in the future. Appendices are included listing the 'A' Members, a record of Council and Executive Committee meetings, the names of Past Presidents, General Secretaries, Treasurers and Vice Secretaries. The dates and venues of all the past International Congresses of Hospital Engineering are given and all the current and past members of the LFIIE Council are listed.

I am pleased to have had the opportunity to research the archives and to read all the Minutes again. It brought back memories of the early meetings when only six countries were represented on Council and of the many friendships made over the years of IFHE,s development. I hope Council members will find this useful as a reference book and that others will continue to preserve IFHE' s records and add to the booklet from time to time.

Basil Hermon CBE.  
Oxford United Kingdom  
February 1994

INTERNATIONAL FEDERATION OF HOSPITAL ENGINEERING  
FEDERATION INTERNATIONALE D'INGENIERIE HOSPITALIERE

I.F.H.E - THE FIRST 22 YEARS

The Federation was born out of the 1st. International Congress of Hospital Engineering held in the E.U.R. in Rome on 11th. to 16th. May 1970. The Congress was organised by the Federazione Nazionale Tecnici Ospedalieri (FeNaTO).

It was during this first Congress that friendships among hospital engineers expanded and the value of an international exchange of information in the hospital engineering field became appreciated. There were some present who felt that some kind of organisation should be established which would ensure that a similar International Congress would be held periodically in the future. A group of people then formed a working party to consider the feasibility of establishing such an organisation. It met on Thursday afternoon 15th. May its membership was:

B. Massara	FeNaTO	Italy
E. Mione		
I. Pavlidis	Technical Chamber of Greece (T.C.G.)	Greece
H. Alloy	Ass. Nationale des Ingenieurs Hospitalier	(ANIH) F
B. Hermon	Institute of Hospital Engineering	(I.Hosp.E.) U.K.
E. Caetano		Portugal
J. Thorp		Sweden.

There were no Associations of Hospital Engineering in Portugal and Sweden at that time and E. Caetano and J. Thorp contributed to the discussions on a personal basis. Mr. John Bolton from the United Kingdom offered several important ideas to establish a federation.

The Working Party reported to the whole Congress on Friday 16th. May and recommended that:

- a) An International Federation of Hospital Engineering be established.
- b) It would be a Federation of National learned Associations, Institutions or Societies of Hospital Engineering which would be known as "Members"
- c) An individual from any country which did not have an Association would be admitted as an Associate.
- d) The Federation would be the catalyst to ensure that a Congress is held every two years.

The Congress, by a show of hands, welcomed the proposal and agreed to give it its full support.

During the following months the Statute was drafted by Basil Hermon on behalf of the I.Hosp.E. and Standing Orders were drafted by Bruno Massara on behalf of FeNaTO. They were discussed and modified at the 1st. MEETING OF COUNCIL in Paris on 8th. April 1971. It was attended by the above members of the Working Party excepting I. Pavlidis but with the addition of Osvaldo Amato (FeNaTO), Jacques Ponthieux (ANIH), Zissimos Tzartanos (TCG) and John Furness (I.Hosp.E.)

These four Members and two Associates were then the sole membership of I.F.H.E. and became the first Council. Dott. Osvaldo Amato was elected President until 1972, Bruno Massara became General Secretary and Enrico Milone the Treasurer with no time limit on these two appointments. They served in those capacities until 1980.

The initial fees were Members Lire 100,000 and Associates Lire 5,000

It was at the first meeting that the idea of publishing an International Journal was considered and the LHosp.E. representatives were asked to see if they could arrange something. The Council subsequently accepted the IHosp.E.'s offer to publish, three or four times a year. an International Issue of its own Journal

“Hospital Engineering” The first issue was published in February 1972 and has since been published four times a year. although its name was changed in March 1990 to “Health Estate Journal” to reflect the wider responsibilities of hospital engineers in many countries.

THE 2ND. COUNCIL MEETING was held in London on 4/5<sup>th</sup>. June 1972 at the start of the 2nd. International Congress. It was reported that the Associaçao Portuguesa De Engenharia Hospitalar (APEH) had been set up and were joining the Council. The Nederlandse Vereniging Ziekenhuis Technici and three more Associates also joined, Otto Gescer (Hungary). Joseph Flury (Switzerland) and Eliza Rahat (Israel). George Rooley the IHosp.E President was elected I.F.H.E. President 1972/74.

It is interesting to note that at this early meeting of the Council the question of allowing industrial firms to become members was discussed and rejected because “the Federation is an association of technicians on professional level; industrial knowledge can be acquired through the industries’ engineer members of the Federation” the Council also feared that “The professional purposes of the Federation could run the risk of being overhung by the financial power of industries”

AT THE 3RD. MEETING OF COUNCIL in Rome on 30/31 October 1972 it was agreed that I.F.H.E. should buy 200 copies of the international issues of the Journal with a view to sending them to people interested in the activities all around the world. The estimated cost then was #250. Bruno Massara drew up a list of interested people which was amended from time to time. This decision probably had the greatest influence on the expansion of the number of national Associations born later and applied for membership of IFHE.

At this meeting the first of many appeals was made for articles from other countries for publication in the Journal.

An application for membership from the American Society for Hospital Engineering (ASHE) was accepted.

BY THE 4TH. MEETING of Council held in Lausanne on 4 May 1973, three more Associates were added to the list of members; A.O. Faluyi (Nigeria), W. el Bunni (Syria) and R.S. Sivoli (Venezuela). The total number of members then was seven Members and seven Associates.

Dr. Osvaldo Amato was establishing a library of hospital engineering publications in Rome and appealed to Council members to send him technical papers and other publications.

THE 5TH. MEETING was held in Bordeaux on 12th. October 1973 in conjunction with the Annual Meeting of the French Association (ANIH).

It was at this meeting that the draft of the first pamphlet was agreed. It included a short outline of IFHE’s first three years, the Statute and Standing Orders and the updated list of members showing the addition of J.C. Mehta from India as the eighth Associate.

The French Association was thanked for the hospitality given to Council members during the Conference.

THE 6TH. MEETING OF COUNCIL was held on 19th. May 1974 during the 3rd. Congress in Athens. This was when the largest influx of membership was reported. The New Zealand Hospital Engineers Association (NZHEA) and the Institute of Hospital Engineers (Australia) [IHE(A)] had joined as Members and five more Associates; A.J. Bonnin (Spain), L.D.

Etheridge (Barbados), W.D. Clinkscales (South Africa), IA. Silva (Brazil) and M. Soheili (Iran).

A Committee was established to study the way in which the library should function and how members might gain access to it. The Committee was chaired by F. Mecozzi from Italy with L.ten Broeke (Holland), E. Caetano (Portugal), P. Gras (France) and V. Attwater (U.S.A.)

Another Committe was established to recommend a new fee structure for Members. It comprised E. Milone, B.A. Hermon (U.K.), I. Pavlides (Greece, E. Caetano (Portugal) and J. Flury (Switzerland). The Committee was also joined by K. Eatwell from the U.K. Institute.

AT THE 7TH. MEETING held in Strasbourg on 25<sup>th</sup>. September 1974 in conjunction with the annual meeting of the French Association. There was a proposal to award a prize at each Congress for the best report presented, but after considerable discussion it was rejected because of the difficulty in judging when reports come from a variety of countries having different levels of development.

The recommendation from the Committee looking at the Fee structure was accepted, with effect from January 1975, as follows:

Members:-	Up to 49	members	lire 50,000
	50 to 299	members	lire 100,000
	300 to 499	members	ire 150~000
	over 500	members	lire 200,000
	Associates		lire 5,000

AT THE 8TH. MEETING IN LISBON on 26th. May 1975 there was a long discussion about the way in which the 4th. Congress was being organised in Paris in 1976. Some members of the Council were disappointed that the authorities in France had insisted that the Congress should be run in conjunction with the administators' Congress. This left little time for engineenng discussions. Attempts were made to have the arrangement changed but it was then too late.

The proposal to establish an IFHE library in Rome was abandoned as it was thought the demand for it would be small. Many countries had their own technical libraries in their own language and this was thought to be of greater use.

AT THE 9TH. MEETING in Paris on 1 lth.January 1976 the South Africa Federation of Hospital Engineering (SAFHE), the Nigerian Association of Hospital Engineering (NAHE) and the Ministry of Health Engineering Association in Ghana (MHEAG) were admitted as Members. There were further expressions of discontent about the organisation of the 4th. Congress in Paris.

AT THE 10TH. MEETING in Tehran on 25/26 September 1976 there was a discussion on lessons to be learned from the Paris Congress. Finally agreed to apply the following rules to running future Congresses:-

- a) The IFHE has to have complete control of its Congresses establishing also conditions for combined meetings or exhibitions with any other body; if a National Association shall not be able to observe that condition the Congress has to be organised by another Association.
- b) The whole programme has to be approved by the Council.
- c) Delegates are to be encouraged to gather informally to exchange ideas and personal experiences.
- d) The whole range of major subjects in the hospital field has to be covered by programmes with preference to exposition of the latest developments.
- e) At least a short summai of reports has to be delivered to delegates before or during the Congress, written in IFHE's official languages. The translation of

reports in the language of the foreign more numerous group present with the collaboration of its National Association is recommended.

- f) Visual aids have to form essential part of Congresses.
- g) Papers presented by delegates are to be previously selected by a Committee formed by the organising Association.

Consideration is given to IFHE sponsoring courses and 10 criteria were suggested. The I.Hosp.E. representative from the U.K. was asked to consider the proposal and to develop the idea.

The idea of Regional grouping was floated by the New Zealand representative but proposed that it was only justified for Australia and the East and not other parts of the world nearer to Europe. It was referred back for more detailed information.

IFHE make a symbolic gift of lire 100,000 to Friuli following the disastrous earthquake.

It is interesting to note that the meeting in Tehran was held over one and a half days. It opened at 9.30 a.m on the second day and closed at 11.00 p.m.

THE 11TH. MEETING held in Barcelona on 4th. July 1977 received a recommendation from the U.K. representative to run the first IFHE course at Falfield, England on a trial basis. The fee proposed was #1000. An outline programme of course content was considered and agreed.

Council rejected the formation of a Regional Association for the Pacific region at that early stage of IFHE's development. They feared an escalation into other regions and fragmentation of IFHE. They noted that the IHF had rejected regionalisation for the same reason. It was agreed to review the question again at some future date.

A. Bonnin announced that the Asociacion Espanola de Ingenieria y Arquitectura Hospitalaria (AEDIAH) had been formed and it was considering applying for Membership. It is not minuted that the Association was admitted as a Member but it was included in the Register for 1978.

AT THE 12TH. MEETING in Lisbon on 28th. May 1978, held during the 5th. Congress. the Association Suisse des Ingenieurs Hospitaliers (ASJH) and the Sigehus Maskinmestrenes Samvirke of Denmark (FSD) were admitted as Members. At this meeting and at every meeting before this an appeal was made for more articles from members for publication in the Journal. It is an appeal made for many years to follow but with limited effect. A Committee was formed to study the problem of increasing the international content of the Journal.

There was a proposal by the Treasurer to double the fees paid by "Associates" because L 5,000 did not cover postal expenses. This was not agreed but Council decided to nominate a Committee to study the problem of IFHE's finances and report to the next meeting.

More information was given about the training course to be held at Falfield in the summer 1979 at a cost of about #800 per delegate.

This Council meeting was resumed on 1st. June to receive the reports of the Journal and Finance Committees. The Journal Committee recommends and Council agrees:

- a) to publish in the Journal articles written in both official languages of the IFHE.
- b) to spend #500 per annum for the translation into French or into English of articles published in the Journal
- c) that each Association should send newsletters and information about technical publications issued in its country.
- d) each Association to nominate a correspondent for the Journal.
- e) the President should invite representatives of National Associations to support in their Councils the necessity to send articles for the Journal

The Iranian "Associate" and the South African Association (SAFHE) offered to make a financial contribution to help to make the Journal more international. This was gratefully accepted by Council.

Council accepted the following recommendations of the Finance Committee:

- a) to increase the "Associates" fees to 10,000 lire starting in 1979
- b) to increase Members fees by 25% starting in 1979
- c) to conduct a study of the Journal's cost and use and report to the next Council meeting

The new fee scales for Members to become effective from January 1979 were:-

No. of Members	1978 It. Lire	1979 It. Lire
1 - 49	50,000	62,500
50 - 299	100,000	125,000
300 - 499	150,000	187,500
over 500	200,000	250,000

Council set up the following Committees to make recommendations to Council "Finances", "Rules", "Evaluation of 5th. Congress" and "Journal and Communication"

THE 13TH. MEETING took place in Amsterdam on 22nd. June 1979. The Israel Association of Hospital Engineering (IAHE) and Wissenschaftliche Gesellschaft für Krankenhaustechnik (WGKT) from Germany were admitted as Members. The "Evaluation" and "Rules" Committee reported. Council agreed to the recommended minor changes to the Standing Orders. The post of Assistant Secretary was established and Mr. Joao Galvao from Portugal was appointed to it.

There was a long discussion about cooperating with other international organisations. It was agreed that this would be fruitful on condition that simultaneous activities of other organisations that might hinder JFHE's are carefully avoided.

The "Journal" Committee reported and explained the problems of reduced content and extra cost if all articles were published fully in both languages. Council then accepted the Committee's recommendation that articles should be published in accordance with the previous agreement: in English with a brief synopsis in French, in French with a brief synopsis in English and in another language with brief synopses in English and French. Authors should be urged to provide the synopses.

Details were given of the 1st. International Seminar to be held at Falfield on 28th. August to 14th. September 1979. At that stage 12 delegates had registered.

THE 14TH. MEETING was held in Washington on 6th. & 9th. July 1980. on the occasion of the 6th. Congress. - The failure of the Association in Ghana to pay their fees was reported. It was agreed their membership should be terminated if they didn't respond to the Treasurer's demand.

Bruno Massara and Enrico Milone did not wish to continue as General Secretary and Treasurer respectively. Joao Galvao was then appointed General Secretary and Basil Hermon from the U.K. was elected Treasurer. Honorary Membership was then granted to Bruno Massara and Enrico Milone in recognition of the ten years devoted service to IFHE. It was recorded that this elevation to Honorary Membership of two officers should not be taken as a precedent for future retiring officers to be automatically granted Honorary Membership.

Prof. Bonnin Vila proposed Spanish as a third language but Council rejected it because a third official language would imply financial and other consequences on the activities of the IFHE.

The problems of getting articles from Members' countries for publication in the Journal was discussed again at length. This time however there was an offer to exchange articles from journals published in Australia, Spain and U.S.A. which was welcomed as a step forward.

It was reported that Associations in Colombia and Norway had expressed an interest in joining IFHE. Mr. S.T. Morawski (Canada) was accepted as an Associate. The Pakistan Association of Hospital Engineering was admitted as a full Member of IFHE.

There was a report from the Committee on the Evaluation of Congresses (unfortunately the Committee's report is not attached to the Council Minutes).

It was reported that only 8 delegates attended the first Seminar at Falfield. It was debated whether to run a second Seminar. It was agreed to do so only if sufficient support came from governments to send delegates or to have financial support from such as W.H.O. UNESCO etc.

There was a long discussion to decide which of the bids from Australia and Spain to accept to decide the venue for the 8th Congress. It had been suggested that one should be accepted for 1984 and the other for 1986 but there was a reluctance then to agree the venue for a Congress six years hence, feeling it would tie the hands of IFHE too far into the future. It was agreed however that organisers of congresses need to know four years in advance. Finally Council accepted the bid from Australia to organise the 8th Congress.

Past President Amato put in a plea, as he had done at previous Council meetings, for Italian to be one of the languages at Congresses because a large number of Italians do attend. He guaranteed that half the delegates attending the 9th Congress in Australia would be from Italy.

Further revision to fee structure was recommended by the Finances Committee but decision was deferred until the next meeting to give time for wider consultation.

There was a proposal to increase the fees of members but this was deferred for consideration at the next meeting in Zagreb.

THE 15TH MEETING of Council was held in Zagreb on 26/28 May 1981. There was a long and detailed discussion about the format for Congresses and the type of papers which should be included. It had been proposed that an international committee be set up to agree the papers for inclusion in Congresses. It was agreed to leave selection to the organising committee taking into account the recommendations made by the "Committee on Evaluation of Congresses?"

A proposal to extend the categories of membership is outlined by the new General Secretary (Joao Galvao) and the new Treasurer (Basil Hermon) to increase substantially IFHE's income. They proposed that companies, consultants and public authorities as well as individuals be admitted to membership. Council agreed this in principle and asked the Treasurer to put a structure to the next meeting in Amsterdam.

Pending the re-structuring of membership, Council agreed to accept the recommendation of the Finance Committee made in Washington to double the Members' fees whilst leaving the number of members unchanged. It was also agreed to treble the fees for Associates from January 1982. Members' fees were then raised to 125,000, 250,000, 375,000 & 500,000 It. Lire. The fee for Associates became 30,000 Lire.

The President, Vinson R. Oviatt reported on replies he received from Members to his questionnaire about what advantages they derive from being a member of IFHE. The report is detailed in the Minutes. The replies are summarised here as follows:- IFHE provides status and recognition, the Congresses are valuable, the Journal provides a means for sharing news etc. Suggestions for improvements were:- a strong multi-language journal, a newsletter, an exchange of engineers or to arrange for a study of other engineers in their hospitals, continuing

education & training programmes. technical assistance to developing countries and development and publication of design and standards.

Other suggestions made by Members subject to finance becoming available were:- more publicity & advertising, obtain grants from foundations, appointment of an executive board. establish technical committees, expand the journal and publish it six times a year. development of regional groups. publish the dates of every Member-organisation's annual meetings.

There was another long discussion about the need to obtain more articles from members to make the Journal more international. There were other suggestions including publishing a newsletter but it was feared that members would not take the trouble to contribute to that. No decision was reached on a way forward.

The General Secretary. Joao Galvao. gave notice that he will not seek re-election at the meeting in Amsterdam in 1982. Nominations for a successor were invited. Council agreed to hold the 1986 Congress in Barcelona.

Croatian Society of Hospital Engineering had applied for Membership of IFHE. This was rejected because the Society did not represent engineers from the whole of Yugoslavia.

The LHF had invited the IFHE to be represented at their Congress in Sydney. Australia in the autumn 1982. M. Gilli from France who intended to attend the Congress agreed to represent IFHE. It was also agreed to invite someone from I.H.E.(Australia) to represent IFHE.

It was announced that the I.Hosp.E. would hold a second seminar "Focus on Appropriate Technology" at Falfield, England on behalf of IFHE.

The Danish Association introduced the idea of having poster sessions at Congresses to help supplement the registration fees. The President gives notice of his intention to try to work more closely with the Regional Groups of the W.H.O. The Croatia Federation organised a day out to visit two hospitals and the Plitvici Lakes following conclusion of the Council meeting.

THE 16TH. MEETING OF COUNCIL was held in Amsterdam on 9 & 13 May 1982 on the occasion of the 7th. International Congress. The Asociacion Venezolana de Arquitectura Medico-Sanitaria (AVAMS) application for membership was approved. An application was also received from Colombia but it was not considered as the Association did not include engineers. Two new Associates are admitted; Haddadin for Jordan and Au Al-Zaid from Saudi Arabia.

There was a long report on the arrangements for the 7th. Congress and the estimated loss of 20,000 dollars to the Dutch Association through over estimating the number of delegates (850) only 4(X) had registered. Also many Italians who were paying their fees at the Congress would only pay the reduced fee allowed for early registration. The organisers would not agree as it would be unfair to those who paid early. This meant that 150 Italians did not register for the Congress and did not pay their fees. The Italians had explained that they did not get government approval to the currency exchange until one week before the Congress. The problem might have been overcome by allowing a discount on a block booking of over 50 or 100 registrants.

A bid to run the 1988 Congress was received from the Israel Association but it was not considered because six years is too far ahead for IFHE to be committed.

General Secretary reported a meeting held in Rotterdam in January 1982 involving the President (Oviatt), Vice President (Sonius) General Secretary and Treasurer to draft the Statute and Standing Orders for the reorganisation of IFHE. He also reported on the second seminar held at Falfield. It took place from 18 April to 7 May 1982 and was attended by engineers from Germany. Iraq. Saudi Arabia. Trinidad, Peru. Australia and New Zealand.

Joao Galvao and Basil Hermon were re-appointed as General Secretary and Treasurer respectively and Maria Perez-Sheriff was appointed Assistant Secretary.

The Treasurer reported on the meeting held in Rotterdam in January 1982. He presented the new Statute and Standing Orders for agreement. Council accepted the drafts with slight amendments:- 'E' Members should not have a right of vote, and a quorum shall be one third of those eligible to vote. Council agreed that the President would select three Council members to serve on the new Executive Committee.

Marvin Fischer of ASHE (U.S.A.) offered to set up a databank compiling, storing, sorting and distributing to all members the information received concerning books, journals, papers and articles, drawings and in general all printed and visual aid programmes on hospital engineering technology. The success of this would depend on members sending information for inclusion in the databank.

THE 17TH. MEETING OF COUNCIL was held in Copenhagen on 26 and 28 May 1983.

The new Statute was approved and Council praised and thanked the U.K. members for producing the Statute in both languages. The Standing Orders were approved subject to some amendments proposed in Council. This brought in the new categories of 'A', 'B', 'C' & 'D' Members.

The Canadian Society of Hospital Engineering (CHES) was welcomed as new Member to IFHE. Its President. Mr. Morawski referred to the need to change the fee structure for 'A' Members to improve the balance between small and large Associations. Council agreed to continue the study already begun but to maintain the present scheme of fees until a solution is reached.

The WHO had invited the IFHE to attend a workshop on "Hospital Waste Management" at Bergen, Norway in May 1983. IFHE would be represented by the President, Cor Sonius and Eric Davies, Chairman of the British Standards Institute Committee on Incineration and Waste Disposal.

The Vice President, R. Cottrill reported on his visit to Japan to try to persuade the Hospital Engineering Association there to apply for 'A' Membership of IFHE. He also reported on his meeting with engineers in Malaysia.

The General Secretary in his report referred to a request from the Croatia Association for the programming of a new teaching hospital of around 1,100 beds. Council decided that IFHE should not replace national or international technical consultants for the study of specific planning, programming or design of a health-care facility. The General Secretary hoped that one day LFHE might be able to help with the transfer of technology between members which is one of the main goals of LFHE.

Joao Galvao gave notice that he would not continue as General Secretary after the Congress in Melbourne in 1984.

The Treasurer in presenting his financial report referred to the generous donation of 10,000 dollars (*ce5,800*) made to IFHE by the new Associate. Mr. Au Al-Zaid of Saudi Arabia at the closure of the General Assembly in Amsterdam in May 1982. Council agreed that this money should be used to publicise IFHE to attract new members in all classes of membership.

Council agreed the form and numbers produced of the publicity leaflet in English printed in the U.K. The French members agreed to produce a similar leaflet translated into French. 'A' Members were expected to distribute the appropriate leaflet in their countries and to other countries using their English/French to recruit new members.

A travel agent from Rome was introduced in the Council meeting to talk about travel packages to Australia for the 8th. Congress. A lot of figures were given but Council decided that no travel

agent would be allowed to use IFHE to publicise any offer. They should be encouraged to pay for an advertisement in the Journal.

Standing Orders to be amended to establish a rule for making bids to organise a Congress. CHES Canada notified its intention to apply to organise the 1988 Congress and the Nigerians invited the Council to have a meeting in Lagos in 1985.

The Danish Association (FSD) organised a very successful outing of Nord Zeeland, the palaces around Hillerod. the palace of Fredensborg and Kronberg Castle, The F.S.D. also gave a dinner to Council members and guests at the Tivoli. A visit was also arranged to two hospitals and to the Danish Hospital Institute which entertained members to lunch.

THE 18TH. MEETING OF COUNCIL was held in Melbourne on 18/19 November 1984 on the occasion of the 8th. Congress of Hospital Engineering. The Hospital Engineering Association of Japan (HEAJ) was elected as an 'A' Member and welcomed to the meeting. An application from the Indian Institute of Hospital Engineering (IIHE) for 'A' Membership was approved.

Membership matters dealt with were:- termination of membership of Ghana and Pakistan for non-payment of fees, that whilst Greece and Israel had lapsed a decision was deferred, agreed that previous Associates who became 'B' Members in the new structure should be known as 'B' Members (Protected) providing they pay their fees in the year due.

Council agreed the new fee structure for 'A' Members as recommended by the Executive Committee which was a sliding scale based on the number of members in the 'A' Members with a maximum of #500 to take effect from January 1985 as notified to members in May 1974. Council agreed to permit up to #800 to be paid to the publishers for translating items in the Journal. Canada pressed for budgets to be presented to Council in the future. India proposed that the Treasurer's expenses to attend Council and E.C. meetings may be paid unless he is able to obtain support from elsewhere. This was agreed by Council.

A Project Management organisation in the U.S.A. had invited the IFHE to take part in research into hospital waste management. It was uncertain what commitment IFHE was expected to make. S.T. Morawski agreed to discuss it with the consultant involved and report back.

The U.K. was prepared to run a third seminar but only if Council members were confident that 20 students would attend. Council members were unable to give that guarantee. Agreed not to proceed with the seminar unless greater confidence emerged.

Joao Galvao did not accept nomination for General Secretary 1984/86. Council elected Basil Hermon as General Secretary and Cor P. Sonius as Treasurer working to the new Terms of Reference attached to the Minutes. The President expressed grateful thanks to J.Galvao for his service as General Secretary and Vice Secretary since 1978. The three members appointed to join the E.C. for 1984/86 were J. Galvao, S.T. Morawski and B. Oyebolu. The appointment of Vice Secretary was deferred.

The Standing Orders with the amendments proposed in Copenhagen were agreed.

FeNaTO wished to alter Article 6 of the Statute. Council could not agree until it had been put to the General Assembly. FeNaTO agreed to put it to the General Assembly later that week.

Bids to run the 10th. Congress in 1988 had been received from Canada and the U.K. Council voted in favour of going to Edmonton, Canada.

THE 19TH. MEETING OF COUNCIL was held in Barcelona on 11/13 May 1986 on the occasion of the 9th. Congress. The Indonesian Association of Hospital Engineering (HATIMI) and the Intressforeningen For Allmanteknik I Sjukvard (IFAIS) from Sweden had been elected 'A' Members by postal vote and welcomed to this meeting. An application for 'A' Membership from the Fachvereinigung Krankenhaustechnik e.V. (F.K.T.) in West Germany was

considered. Some members thought this could not be accepted because there was already one 'A' Member in Germany. It was explained that **IFHE** is a federation of Associations and not a federation of countries. F.K.T. was then elected and their representatives welcomed to the meeting.

CHES Canada proposed that the term "National" in the Articles should be clarified. This was referred to the Executive Committee.

Council agreed to the amendment to Article 6 of the Statute as proposed by FeNaTO at the General Assembly in Melbourne. This made 'E' Members Council members without a right of vote.

Election of Officers:- A.J. Bonnin, President, S.T. Morawski Vice President and Basil Hermon and Cor Sonius General Secretary and Treasurer respectively. Maria Perez Sheriff Vice Secretary. The three Council members elected to the E.C. were J. Cherry, B. Massara and B. Oyebolu.

It was reported that the new membership structure was working well but a greater effort was required by 'A' Members to recruit new members. A target was set to recruit a further 200 'D' Members by 1988 i.e. 10 'D' Members per country.

Several amendments to Standing Orders were agreed as recommended by the E.C. following their meeting in Lyon in June 1985.

The termination of the 'A' Membership of the Technical Chamber of Greece was agreed for non payment of fees over a long period. AVAMS (Venezuela) were to be given six months notice of termination for the same reason.

An attempt had been made to get outside funding for the Waste Disposal research project without success. No further progress was made.

The General Secretary reported on his visit to WHO in Geneva to discuss IFHE collaboration with WHO. Council agreed to go ahead with collaboration.

Bids to run the 11th. Congress in 1990 came from the U.K. and from Italy. Council elected to have the Congress in the U.K.

Council agreed to change the fees payable by 'B' Members. The #42 would apply to applicants from countries in which there is an 'A' Member. This was to encourage individuals in the developing countries to join and to discourage others from joining IFHE instead of the national association.

The General Secretary presented a paper proposing a move towards establishing a permanent secretariat. There were a number of Council members against this. Doubts expressed whether the funds would be sufficient to make this possible. No action was taken.

A further application received from the Colombian Association was again rejected because the Association did not include engineers. The Association had agreed to try again to persuade their members to agree to admit engineers.

**THE 20TH. MEETING OF COUNCIL** was held in Lagos, Nigeria on 18 March 1987. It was at this meeting that Officers could represent their 'A' Member if no other representative was present and therefore the Officer could cast his 'A' Member's vote. This was established to decide if a quorum is present.

Council also agreed in this connection that:- In order to facilitate decisions on matters of interpretation of Statutes, as a general principle, what is not expressly forbidden by Statutes can be approved by the majority of the Members attending the Council meeting.

An application for 'A' Membership from the Asociacion Argentina de Arquitectura E Ingenieria Hospitalaria (AADAIH) was agreed. The 'A' Membership of the Venezuelan Association (AVAMS) was terminated.

Ways in which IFHE might collaborate with WHO were discussed such as the creation of Regional Training Centres, elaboration of training manuals adapted to local needs. Associations were to be asked to submit proposals for joint action IFHE/WHO and for work already done which would be useful and to send a list of professionals who would agree to help and send ideas on possible contents of training schemes.

Agreed to put to a postal vote a proposal to raise 'A' Members' fees progressively over three years by 40%, 40% and 20% to 100% total.

A procedure for preparing minutes and approving them by the General Secretary and the President was agreed and the General Secretary was to produce an annual summary of achievements and matters arising from the Minutes.

B. Massara presented a paper defining "National" in the Statute. Council agreed:- A Nation is a whole of people with community and traditions, language, customs and living in the same territory under the same government although united with other nations governed by a Federation.

Council also agreed the interpretation that:- The Federation is to be understood as a Federation of Professional Associations. In this sense admission should be open to all professional Associations whose statutes conform to the IFHE's requirements and Statutes. However, if it is not so, exceptions can be made provided applicants change their statutes.

Agreed to establish a Pacific Group and for IFHE's letterhead to be used. Australia was thanked for this initiative. Agreed to look again whether other Groups should be formed.

Agreed that to encourage recruitment 'A' Members could retain 10% of the first year's subscription paid by 'D' Members recruited by them. Also agreed that from 1992 'A' Members submitting bids to organise Congresses shall agree to pay to LFHE a fee of \$2,000. (Amended at the 22nd. Meeting)

Agreed that B. Massara, S.T. Morawski and B. Hermon should prepare a promotional pamphlet in English & French and that, at least an inset in Spanish should be prepared. Translation but not editing will be done by the Spanish Association.

The U.K. to be asked to prepare a 20th. Anniversary celebration to take place during the Congress in London.

Two papers were received considering improvements to the Journal. It was agreed that efforts should be made to give it a more international content, the U.K. be congratulated for their effort in publishing it and approaches be made to different Member Associations to produce at least one paper each year. It was also agreed to sponsor the publication of a Spanish International Issue.

Voting by proxy was agreed provided the question is included in the agenda and phrased so that the answer can be "Yes" or "No" A Certificate to be presented to new 'B' & 'D' Members to certify their membership of WHE is to be produced.

The President proposed that Spanish be incorporated as an official language; it was rejected on cost grounds. Council then agreed:- It should be included on the next agenda to be reconsidered according to what happens at the next Congress where Spanish translation will be available and how the contacts with Latin-American Associations develop.

**THE 21ST. MEETING OF COUNCIL** was held in Edmonton, Alberta on 17 July 1988 on the occasion of the 11th. Congress. The sad death of Bruno Massara was recorded at this meeting. Because of the considerable contribution he had made to IFHE it was agreed that one event at future Congresses should be linked to his name.

It was reported that the Technical Chamber of Greece, after being notified of the termination of their Membership had sent #1,000 in respect of their fees for 1986 & 1987 and asked for termination of their Membership to be withdrawn. Council agreed and welcomed the T.C.G. back to 'A' Membership.

The Israel Association were to be given six months to pay outstanding fees before terminating their Membership.

The Colombian Association had altered its Statute to include engineers. Council agreed that on receipt of their application and first years fee 'A' Membership will be confirmed. Council approved an application from the Cyprus Association of Medical Physics and Biomedical Engineering (CAMPBE) for 'A' Membership.

Officers elected for 1988/90:- President S.T. Morawski, Vice President B. Hermon, General Secretary D. Macmillan (U.K.), Treasurer A. Bonnin (PP) & Vice Secretary M. Triay (France), A. Lena (I), H. Wilke (D), J. Cheri.

The past General Secretary Basil Hermon reported that after considerable research he prepared and issued 144 Certificates to IFHE Members and to those members who have served on Council in the past.

The proposal to increase the fees of 'A' Members by 100% over three years from 1989 was agreed by postal vote and confirmed by Council.

The acceptance of WHE into Official Relationship with W.H.O. from January 1988 was confirmed. This required the IFHE to make a positive contribution to WHO programmes.

There was a further discussion about the Journal. The Spanish Association found the cost of producing an International Issue was too high. Australia would only produce one including only nationally produced articles because of the difficulty in obtaining papers from abroad. Canada was not yet in a position to produce an international issue. It was agreed that if another publisher was found, the IFHE must give the I.Hosp.E. 12 months notice of cancellation.

The question of adopting Spanish as a third language was again rejected because it would extend the discussion time in Council. Simultaneous translation would cost some #6,0(X) a day per language.

The only valid bid submitted to run the 12th. Congress in 1992 came jointly from FeNaTO and CNETO in Italy. Agreed to hold the Congress in Bologna. SAFHE South Africa and FSD Denmark gave notice of their intention to submit bids for the 1994 Congress.

A. Bonnin proposed that the International Federation of Hospital Security should be given honorary membership. Council had reservations because the many other such organisations which could ask for recognition. It was referred to the E.C.

A. Lena represented IFHE at a WHO conference in Lyon 7/10 May 1987. His report is attached to the Minutes of this meeting.

**THE 22ND. MEETING OF COUNCIL** was held in Davos, Switzerland on 10 September 1989. Arising from the last meeting Council agreed to change the #2,000 fee to be paid by Associations running Congresses to #5 per delegate who pays the full registration fee. This was to commence after 1990.

Vice President, Basil Hermon reported that Mr. D. Macmillan had resigned as General Secretary because the IFHE workload was much greater than he was led to believe, to the

detriment of his consulting work. Vice President said it showed that the workload is likely to be too great for someone otherwise employed and that, whilst it is being done voluntarily, it is most appropriately done by a retired person. D. Macmillan had computerised the IFHE database and accounts at his own expense

Vice President agreed to handle the LFHE administration until June 1990. He then proposed Michael Franck (U.K.) be appointed Assistant Secretary and that he be appointed General Secretaiy from June 1992. This was agreed.

An annual budget of #600 was agreed to meet the cost of buying assistance for the General Secretary if necessary. Ways in which IFHE could move towards a permanent secretariat were discussed. Vice President intended to examine the feasibility of this during 1990/92. Council agreed to the decision to purchase an Amstrad 1640PC computer for #1,500 in May 1989.

The Technical Chamber of Greece became in arrears again with payment of their fees for 1988/89. Attempts had been made to establish the real number of members against which their fee should be set but there was no reply. The total membership of T.C.G. was then 49,709. Council decided to take no further action. There was no further development concerning the Indian Institute.

Council made a grant of #1,000 towards the 20th. celebration dinner to be held at the Guildhall in London and #750 for a memento to be given out at the 11th. Congress. The Treasurer, A. Bonnin had proposed marking the 20th. Anniversary with a booklet covering the history of the IFHE. The Vice President, B. Hermon said the extent needs to be clarified and that it could not be produced by 1990 but that the content should be clarified in time for the 1992 Congress. The Treasurer proposed a 20th. Anniversary scholarship, this was referred back to him for details of how the system would work. The Treasurer had also proposed making a grant available, this was also referred back to him for details.

Membership fees were increased from January 1990. 'B' Members who live in a country where there is an 'A' Member but who are not members of the 'A' Member #42 & those living in other countries and those who are members of an 'A' Member #30, 'C' & 'D' Members #120.

FKT Germany proposed action to get more papers for the Journal by 'A' Members translating papers published in their country and sending them to be published in the Journal.

IFHE was represented at the WHO workshop in Tanzania by a U.K. engineer working in Tanzania. He was given financial support from the Overseas Development Administration in London. Council supported a two-year plan of collaboration with WHO. A. Mallouppas urged members to get names of people who could draft manuals etc. and consultants and others to do short-term projects and instal and commission equipment. He also proposed setting up an Eastern Mediterranean Group within IFHE. He was asked to prepare a paper. Past President V. Oviatt had offered to liaise with WHO on behalf of IFHE.

Council agreed a new publicity document drafted by the Vice President. It was also agreed that the pamphlet be produced in French, German, Italian and Spanish by the 'A' Members in those countries.

The E.C. was unable to recommend that the International Federation of Hospital Security or any other International Federation be given honorary membership. They could apply for 'C' Membership.

The Treasurer had proposed that IFHE should attend the congresses of other international organisations. Difficulty had been experienced in the past finding engineers willing to do this. IFHE would have to pay their expenses and if the speaker was to speak on IFHE's behalf his paper should be seen by at least the President and General Secretaiy.

The E.C. decided to meet over two days in future as it was not able to spend sufficient time on items to arrive at recommendations to Council. It also agreed to add to Standing Orders decisions taken by Council since 1986.

The Treasurer proposed that seminars be run for developing countries but he had not detailed how to find the money or how these would function. It was referred back to him for details. He also proposed (a) a two-yearly award for the best article published in Journals of National Associations or (b) presentation to a member of IFHE for his personal and technical work throughout his life. Council dismissed (b) as impossible to determine criteria for selection. Council agreed to give a certificate to the author of a paper judged by their 'A' Member as the best in their country. It would be for Secretaries of 'A' Members to apply to the General Secretary for a certificate to be issued.

Council agreed to budget #600 a year to pay the expenses of E.C. and Council members who represent IFHE at seminars etc. of other bodies.

A. Lena notified an intention to set up a Latin Group consisting of Italy, Spain, France, Portugal and Switzerland. He agreed to produce a paper.

THE 23RD. MEETING OF COUNCIL was held in London on 3rd. June 1990 on the occasion of the 11th. Congress. B. Hermon reported that he had purchased a "President's Jewel" using the surplus within the budget of #750 granted for the mementoes to be presented at the Congress. The "Jewel" was then presented to S.T. Morawski as President. Officers elected for 1990/92 were B. Hermon President, A. Lena Vice President, M. Franck General Secretary, A. Bonnin Treasurer and F. Gabriel as Vice Secretary. The three members to serve on the E.C. were, P. Morimura, Japan, H. Wilke, Germany and B. Shapiro, South Africa.

No further developments in trying to make contact with the Technical Chamber of Greece for payment of their fees. The Indian Institute of Hospital Engineering had disbanded so its 'A' Membership was terminated.

The President, B. Hermon, put forward again his view that the job of General Secretary requires any volunteer to be retired from full-time employment and re-stated his view that a way should be found to establish a permanent address and secretariat.

The revised Standing Orders 1990 were approved by Council. The Spanish version of the Publicity Pamphlet was produced. The French, German and Italian versions not available yet.

There were several reports of moves to increase collaboration with the WHO such as a discussion with the Overseas Development Administration in London to seek financial support, a seminar organised in Lisbon by the Escola Nacional De Saude Publica for managers and engineers from Portuguese speaking countries with financial support from the Gulbenkian Foundation. The IFHE was represented at WHO Executive Board and Regional meetings in Geneva, Copenhagen, and arrangements made for meetings in Lisbon and in East Mediterranean to be attended. The Plan of Action for 1991 and 1992 was agreed. Past President, Vinson R. Oviatt was established as IFHE's first Liaison Officer with the WHO to deal with all WHO correspondence and take any necessary actions.

Bids to run the 13th. Congress in 1994 had been received from the 'A' Members in South Africa, Denmark and Argentina. Members voted in favour of holding the Congress in South Africa.

Report of the Pacific Group received; some difficulty in communicating with engineers in S.E. Asia. the President had visited engineers in Singapore, Hong Kong and Bangkok to encourage them to take part in the development of the Pacific Group. The Vice President, A. Lena outlined the proposal to set up a Latin Group. Council decided not to adopt it as a formal Group because it was based on languages and not on geography but it would assist it in any way possible. A proposal was also received for setting up a Latin American Group which Council agreed to

support and encourage. The E.C. recommended the Council to hold a Council meeting in South America in the future.

No progress had been made by 'A' Members in translating articles for the Journal as proposed by FKT at the last meeting. The Treasurer withdrew the two items he raised at the previous meeting and which were referred back to him for details.

THE 24TH MEETING OF COUNCIL was held in Nicosia, Cyprus on 9th. June 1991. The 'A' Membership of the Forum for Sykehus Tekniske Ledelse (FSTL) Norway was approved. Technical Chamber of Greece to be given notice of termination if no reply received by May 1992. The sad death of Past President Zissimos Tzartanos in September 1990 was reported.

A report was received on a meeting which took place in London with Dr. Issakov re IFHEIWHO collaboration. WHO wish to build up a panel of consultants and technical experts to help with training in the developing countries. WHO also wish to establish a catalogue of training manuals etc.

Vinson Oviatt reported a good start made on collecting names of people willing to help. IFHE was represented at the 40th. Session of the WHO Regional Committee for Europe by a representative of FSD Denmark.

There was a long discussion on the Executive Committee's recommendation to establish a permanent address and secretariat on the lines proposed in a paper submitted by the President. The Vice President had abstained from the E.C. recommendation. It was finally proposed by FSD Denmark and agreed that:

- i) A permanent address be established with effect from July 1992
- ii) A permanent secretariat be established with effect from July 1992
- iii) The question of where to establish the permanent address and secretariat be referred to the Council in Bologna in May 1992.

The Italian version of the publicity pamphlet was printed and distributed. The French version was in print but the German version still had not been produced.

The principle of issuing lapel pins to Past Presidents and to Council members was agreed and authority given for the President to agree a design and to place orders.

Council received reports of Regional Groups for the Pacific Region, the Latin Group, and the proposal to set up the East Mediterranean Group. No progress was made in establishing a Latin American Group.

The Executive Committee outlined to Council its view on the purpose of a historical 20 year review. It would be a brief to Council members present and future. It also thought it might include recollections from Past Presidents and Presidential reviews added in future years.

The President had expressed his fear that if a Council meeting was held in Argentina it might not be well supported and could embarrass the Argentinian Association. He then proposed to the Argentinian Association that they should organise a study tour in 1993 to include delegates from the Latin speaking countries and at which the IFHE would be represented. Council agreed the proposal and to meet any reasonable cost of publicising a Study Tour. A detailed report was expected at the Council meeting in 1992.

Two nominations received for Certificates to be issued for the best papers published in their countries. Council received a report from G. Lam and J. Ehuis of NVGT The Netherlands on their visit to Leningrad Public Health Department which they hoped would join IFHE as an 'A' or 'C' Member. They received a plaque from the Russians which they presented to the President. The Vice President was given authority to visit leading medical and engineering authorities in Moscow and for his expenses to be reimbursed.

THE 25<sup>TH</sup>. MEETING OF COUNCIL was held in Bologna on 24th. May 1992 on the occasion of the 12th. Congress. Council members stood for a minute in the memory of Past President Antonio Bonnin who died on 7th. December 1991.

The Croatian Association of Hospital Engineering (CAHE) was admitted to 'A' Membership of IFHE and welcomed to the meeting. Lapel pins were distributed to Council members and Officers and were being sent to Past Presidents.

Election of Officers:- Dr. A. Lena. President, B. Shapiro Vice President. C. Pipoli General Secretary. Vice Secretary P. Ree. Treasurer F. Gabriel.  
Members elected to serve on the E.C. were Past President B. Hermon, B. Nosedá and H. Wilke. Arq. L. Font to be coopted after Statute and Standing Orders revisions have been approved.

Council received papers and presentations from the Past President. Basil Hermon and from C. Pipoli debating the relative merits of establishing the permanent secretariat and address on a two-year trial basis at the I.Hosp.E. in Portsmouth U.K. or through FeNaTO using the staff at the offices of SENAF in Bologna. A vote taken went in favour of Bologna.

Council agreed to put to the General Assembly. the President's proposal that the Executive Committee be extended to nine members and that the Immediate Past President be appointed to one of these places. Council to take the final decision after the process in Article 11 of the Statute had been completed.

The Cameroon Association of Biomedical Technology Professionals (CABTP) elected to 'A' Membership by postal vote was confirmed. The 'A' Membership of the Technical Chamber of Greece was terminated.

Council agreed to increase the 'A' Membership fees by 10% from January 1993. Only one bid was received to run the 14th. Congress in 1996 which was from FSD Denmark to hold it in Copenhagen. The Argentinian Association agreed to combine the 1993 Council meeting with a Study Tour as previously proposed and to hold it in Buenos Aires.

V. Oviatt sent a report on WHO collaboration showing that 40 names of people willing to help had been collected but due to shortage of funds at WHO they had not been used. V. Oviatt resigned as IFHE/WHO coordinator and Dr. Mallouppas agreed to take it over. WHO had confirmed IFHE as an N.G.O. for another three years from January 1992.

The President announced a Master's Degree in Hospital Engineering set up at Bologna University. Similar courses were being run in Sweden and in Dundee, Scotland. Council agreed to support these without financial commitment.

The French version of the publicity pamphlets had been printed but had to be corrected. The German one was in print. Nominations were received from the U.K. and Australia for certificates to be presented for the best papers published in their Journals.

## APPENDIX 1

‘A’ MEMBERS REPRESENTED ON I.F.H.E. COUNCIL AS AT 31ST DECEMBER 1992

Institute of Hospital Engineering (I.Hosp.E.)	United Kingdom
Federazione Nazionale Tecnici Ospedalieri (FeNaTO)	Italy
Association Nationale De L'Ingenierie Hospitaliere Et Biomedicale (ANIHEB)	France
Associacao Portuguesa De Engineering Hospitalar (APEH)	Portugal
Nederlandse Vereniging Van Technici In De Gerondheidszorg (NVTG)	The Netherlands
American Society for Hospital Engineering (ASHE)	United States
New Zealand Hospital Engineers Association (NZHEA)	New Zealand
Institute of Hospital Engineering. Australia (IHEA)	Australia
South Africa Federation of Hospital Engineering (SAFHE)	South Africa
Nigerian Association of Health Engineering (NAHE)	Nigeria
Vereniging van Technische Diensthoofden der Verzogings Instellingen (VTDV)	Belgium
Asociacion Espanola de Ingenieria y Arquitectura Hospitalaria (AEDIAH)	Spain
Association Suisse des Ingenieurs Hospitaliers (ASIH)	Switzerland
Foreningen af Sygehusmaskinmestre i Danmark (FSD)	Denmark
Israel Association of Hospital Engineering (IAHE)	Israel
Wissenschaftliche Gesellschaft fur Krankenhaustechnik (WGKT)	Germany
Canadian Hospital Engineering Society (CHES)	Canada
Hospital Engineering Association of Japan (HEAJ)	Japan
Indonesian Association of Hospital Engineering (HATIMI)	Indonesia
Intressforeningen For Allmanteknik I Sjukvard (IFAIS)	Sweden
Fachvereinigung Krankenhaustechnik e.V. (FKT)	Germany
Asociacion Argentina De Arquitectura E Ingenieria Hospitalaria (AADAIH)	Argentina
Centro Nazionale Ediizia e Tecnica Ospedaliera (CNETO)	Italy
Cyprus Association of Medical Physics	

and Biomedical Engineering (CAMPBE)  
Forum For Sykehus Tekniske Ledelse (FSTL)  
Cameroon Association of Hospital Engineering (CABTP)  
Croatian Association of Hospital Engineering (CAHE)

Cyprus  
Norway  
Cameroon  
Croatia

## RECORD OF COUNCIL MEETINGS - VENUES- DATES - A'VFENDANCES

- No. 1 8 April 1971 - Sodetag & Le Plessis- Robinson - Paris, France  
9 Present representing 4 Members & 2 Associates from 6 Countries
- No. 2 4/5 June 1972 - Kensington Close Hotel - London, England  
11 Present representing 4 Members & 2 Associates from 6 Countries
- NO. 3 30/31 October 1972 - Ordine degli Ingeneri (EUR) - Rome. Italy 7 Present including the Officers and 1 Member (U.K.)
- No. 4 4 May 1973 - Hopital Cantonal Universitaire - Lausanne, Switzerland 12 Present representing 6 Members & 1 Associate from 7 Countries
- No. 5 12 October 1973 - Hopital Pellegrin - Bordeaux, France  
10 Present representing 5 Members & 1 Associate from 6 Countries
- No. 6 19 May 1974 - Hotel St. George Lycabettus - Athens, Greece  
24 Present representing 7 Members & 6 Associates from 13 Countries
- No. 7 25 September 1974 - Hospital St. Francois - Strasbourg, France 14 Present representing 6 Members & 1 Associate from 7 Countries
- No. 8 26 May 1975 - Instituto Nacional de Saude - Lisbon, Portugal 10 Present representing 6 Members from 6 Countries
- No. 9 11 January 1976 - Parc des Expositions - Paris, France  
21 Present representing 9 Members & 4 Associates from 13 Countries
- No.10 25/26 September 1976 - Victoria Hotel - Tehran, Iran  
8 Present representing 6 Members & 1 Associate from 7 Countries
- No.11 4 July 1977 - Universidad Politecnica - Barcelona, Spain  
13 Present representing 6 Members & 1 Associate from 7 Countries
- No.12 28 May & 1 June 1978 - Gulbenkian foundation - Lisbon, Portugal 30 Present representing 13 Members & 3 Associates from 16 Countries
- No.13 22 June 1979 - Onze Lieve Vrouwe Gasthuis - Amsterdam, The Netherlands 21 Present representing 9 Members & 2 Associates from 11 Countries
- No.14 6 July 1980 - Sheraton Washington Hotel - Washington, U.S.A.  
39 Present representing 15 Members & 4 Associates from 19 Countries
- No.15 26/28 May 1981 - Federation of Health Institutions of Croatia - Zagreb, Croatia. 19 Present representing 8 Members & 2 Associates from 10 Countries
- No.16 9 & 13 May 1982 - Amsterdam, The Netherlands  
31 Present representing 12 Members & 6 Associates from 18 Countries
- No.17 26 & 28 May 1983 - Admiral Hotel & Danish Hospital Institute-Copenhagen, Denmark 25 Present representing 13 Members from 13 Countries
- No.18 18/19 November 1984 - Southern Cross Hotel - Melbourne, Australia

28 Present representing 16 'A' Members & 3 'E' Members from 16 Countries

- No.19 11/13 May 1986 - Palacio de Congressos - Barcelona, Spain  
33 Present representing 19 'A' Members and 4 'E' Members from 19 Countries
- No.20 18 March 1987 - National Engineering Centre, Victoria Island -Lagos Nigeria  
12 Present representing 9 'A' Members & 1 'E' Member from 9 Countries
- No.21 17 July 1988 - The Westin Hotel - Edmonton Alberta, Canada  
35 Present representing 17 'A' Members & 3 'E' Members from 17 Countries
- No.22 10 September 1989 - Kongress Centre - Davos, Switzerland 17 Present representing 12 'A' Members from 12 Countries
- No.23 3 June 1990 - Queen Elizabeth Conference Centre - London, England  
32 Present representing 20 'A' Members & 2 'E' Members from 21 Countries
- No.24 9th. June 1991 - Ledra Hotel - Nicosia, Cyprus  
19 Present representing 11 'A' Members from 11 Countries
- No.25 24 May 1992 - Palazzo del Congressi - Bologna, Italy  
35 Present representing 18 'A' Members & 3 'E' Members from 18 Countries

The total numbers present shown above include the President, Vice President, General Secretary, Treasurer and Vice Secretary whenever they were present.

## APPENDIX 2A

### DATES AND VENUES OF EXECUTIVE COMMITTEE MEETINGS

1st.	Meeting	16/17 October 1982	Madrid
2nd.	"	25 May 1983	Copenhagen
3rd.	"	6/7 May 1984	Lausanne
4th.	"	17 November 1984	Melbourne
5th.	"	23 November 1984	Melbourne
6th.	"	25/26 June 1985	Lyon
7th.	"	10 May 1986	Barcelona
8th.	"	16 May 1986	Barcelona
9th.	"	17 March 1987	Lagos
10th.	"	16 July 1988	Edmonton
11th.	"	22 July 1988	Edmonton
12th.	"	8 September 1989	Davos
13th.	"	1/2 June 1990	London
14th.	"	8 June 1990	London
15th.	"	7/8 June 1991	Nicosia
16th.	"	22/23 May 1992	Bologna
17th.	"	29 May 1992	Bologna

**RECORD OF INTERNATIONAL CONGRESSES OF HOSPITAL ENGINEERING**

1st. Congress delegates	11-16 May 1970	Palazzo Dei Congressi Roma (EUR)	344
	from 16 countries		
Organised by Federazione Nazionale Tecnici Ospedalieri (FeNATO) Italy			
2nd. Congress	4-9 June 1972	Earls Court London	313 delegates from 18 countries
Organised by Institute of Hospital Engineering (I.Hosp.E.) United Kingdom			
3rd. Congress	20-26 May 1974	Technical Chamber of Greece Athens	132 delegates from 20 countries
Organised by Technical Chamber of Greece			
4th. Congress	12-16 January 1976	Porte de Versailles Paris.	1,524 delegates from 24 countries
Organised by the Association of Hospital Administrators - France in association with the Association Nationale des Ingenieurs Hospitaliers (Now ANIHEB)			
5th. Congress	28 May-2 June 1978	Gulbenkian Foundation Lisbon	1,057 delegates from 30 countries
Organised by Associacao Potuguesa De Engineering Hospitalar (APEH) Portugal			
6th. Congress	6-11 July 1980	Sheraton Hotel Washington	800+ delegates
Organised by American Society for Hospital Engineering (ASHE) United States of America.			
7th. Congress	9-15 May 1982	Internationaal Congrescentrum RAI Amsterdam.	283 delegates from 25 countries
Organised by Nederlandse Vereniging Van Ziekenhuis Technici (Now NVGT) The Netherlands			
8th. Congress	18-24 November 1984	Southern Cross Hotel Melbourne	397 delegates from 23 countries
Organised by Institute of Hospital Engineering Australia [I.H.E.(A)] Australia			
9th. Congress	11-16 May 1986	Palacio de Congresos Barcelona	429 delegates from 31 countries
Organised by Asociacion Espanola de Ingenieria Y Arquitectura Hospitalaria (AEDIAH) Spain.			
10th. Congress	17-22 July 1988	Edmonton Convention Centre Edmonton	404 delegates from 26 countries
Organised by Canadian Hospital Engineering Society. (CHES) Canada.			
11th. Congress	3-8 June 1990	Queen Elizabeth Conference	446 delegates

Centre, London

from 36 countries

Organised by Institute of Hospital Engineering (LHosp.E) United Kingdom

12th. Congress 25-29 May 1992

Palazzo dei Congressi  
Bologna,

667 + delegates  
from 39 countries

Organised by Federazione Nazionale dei Tecnici Ospedalieri. & Centro Nazionale per l'Edilizia e la Tecnica Ospedaliera.

## APPENDIX 4

## RECORD OF PRESIDENTS AND OFFICERS OF THE FEDERATION PRESIDENTS

June 1970 - June 1972	Dr. Osvaldo Arnato		FeNATO	Italy
June 1972 - May 1974	Mr. George A. Rooley CBE		I.Hosp.E	U.K.
May 1974 - January 1976	Mr. Zissimos Tzartzanos	TCG	Greece	
January 1976-May 1978	M. Jaques Ponthieux	ANIHEB	France	
May 1978 - July 1980	Dr. Eduardo Caetano		APEH	Portugal
July 1980 - May 1982	Mr. Vinson R. Oviatt		ASHE	U.S.A.
May 1982 - November 1984	Mr. Cor P. Sonius		NVGT	The Netherlands
November 1984 - May 1986	Mr. Robert Cotterill		IHE(A)	Australia
May 1986-July 1988	Dr. Antonio Bonnin Vila	AEDLAH	Spain	
July 1988 - June 1990	Mr. Steve T. Morawski	CHES	Canada	
June 1990 - May 1992	Mr. Basil A. Hermon CBE		I.Hosp.E	United Kingdom
May 1992 - October 1994	Dr. Ing. Alberto Lena	FeNATO	Italy	

## GENERAL SECRETARIES

1970- 1980	Corn. Bruno Massara		FeNATO	Italy
1980 – 1984	Dr. Joao Galvao	APEH.	Portugal	
1984- 1988	Mr. Basil A. Hermon CBE.		I.Hosp.E	United Kingdom
1988 - 1989	Mr. Duncan MacMillan MBE	I.Hosp.E.	United Kingdom	
1989 - 1990	Mr. Basil Herrmon CBE	I.Hosp.E.	United Kingdom	
1990 – 1992	Mr. Michael L. Franck	I.Hosp. E.	United Kingdom	
1992 -	Dr. Cosimo Pipoli		FeNATO	Italy

## TREASURERS

1970- 1980	Dr. Enrico Milone		FeNATO	Italy
1980 - 1984	Mr. Basil Hermon		I.Hosp.E	United Kingdom
1984 - 1988	Mr. Cor P. Sonius		NVGT	The Netherlands
1988 - 1992	Dr. Antonio Bonnin Vila (Deceased 7/12/91)		AEDIAH	Spain
1992	-M. Francois Gabriel		ANIHEB	France

## VICE SECRETARIES

1986 – 1988	Arq. Maria Perez Sheriff		AEDIAH	Spain
1988 – 1990	M. Marcel Triay		ANIHEB	France
1990 – 1992	M. Francois Gabriel		ANIHEB	France
1992 -	Mr. Paul-Erik Ree		FSD	Denmark

## APPENDIX 5

**INTERNATIONAL FEDERATION OF HOSPITAL ENGINEERING  
RECORD OF COUNCIL MEMBERS 1971 TO 1992**

Past Members of Council As at  
05/92

Current Council Members  
As at 05/92

A001 I.Hosp.E.- United Kingdom

1971-1976 B.A.Hermon  
1971-1974 G.S.Gillard  
1975-1977 K.W.Ashton  
1978-1982 E.A.Johnson  
1983-1991 L.F. Turner

1977 - K.I. Murray  
1992 - L.G. Hadley

A002 FeNATO - Italy

1971-1971 O. Amato  
1971-1973 B. Massara

1992- C.D. Pipoli  
1992- F.Sessa  
1972-1973 E. Milone

1974-1975 F. Mecozzi  
1974-1975 M. Battaglini  
1976-1977 G. Zedda  
1976-1977 F. Sessa  
1978-1980 M. Farrando  
1978-1984 F. Sessa  
1984-1985 F. Rabino  
1987-1990 F. Sessa  
1982-1990 A. Lena  
1990-1991 F. Rainaldi  
1991-1992 C.D. Pipoli  
1990-1992 S.G. Scirto

A003 ANIHEPP - France

1971-1974 J.Ponthieux  
1971-1972 H.Alloy  
1972-1982 P.Gras  
1975-1977 P.Vanier  
1978-1979 L.Dubuile  
1980- R.Gilli  
1981-1982  
1983-1984 M.Holveck  
1983-1990 M. Triay  
1985-1991 A. Boyer

1990- F. Gabriel  
1991- A. Guey

A004 T.C. of G. Greece  
1971-1972 Z.Tzartanos  
1972-1979 I.Pavlidis  
1972-1979 P. Tzovaris

Membership Terminated 1986  
Re-admitted 1988  
Terminated again in 1992

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 1988-1992 K. Liaskas

A005 A.P.E.H. Portugal

1971-1977 E. Caetano  
 1978-1979 M. Ferraz de Costa  
 1980-1990 L. Bronze

1972- J. Mealha  
 1990- L. Rodrigues

A006 NVZT The Netherlands

1972-1974 L. ten Broeke  
 1972-1978 A. Vertogaal  
 1975-1976 T. Beijer  
 1977-1978 N. Snel  
 1979-1980 C. Sonius  
 1980-1992 J. Eshuis

1979- G. Lam  
 1992- L.D.A. Van Namen

A007 A.S.H.E. U.S.A.

1973-1980 V. Atwater  
 1972-1977 E. Bertz  
 1978-1979 W. Guy mr.  
 1980-1981 L. Johnson  
 1981-1982 M. Fisher  
 1981-1982 R. Mack  
 1983-1987 J. Davis  
 1983-1984 G. Cousin  
 1987-1988 R. Falaguerra  
 1988-1991 R. Bud Klein

1991- W. Thomas Schipper  
 1991- N. Montenegro

A008 N.Z.H.E. New Zealand

1974-1982 G. Parker  
 1974-1979 J. Jones  
 1983-1984 A. Crosby  
 1984-1992 A. Blackler

1984- J. Wray  
 1992- R. Duncan

A009 I.H.E. Australia

1974-1979 H. Roberts  
 1974-1981 L. Lrwin  
 1980-1981 R. Cottrill  
 1982-1988 W.D. Reed  
 1982-1991 J. Cherry

1991- B. Nosedo  
 1988- C. Erickson

A010 S.A.F.H.E. South Africa

1974-1984 W. Clinkscales  
 1985-1992 B. Shapiro

1978- J.J. Nieuwoudt  
 1992- M. Ronga

A011 N.A.H.E. Nigeria

1976-1988	P.B.Oyebolu	1973- A.Faluyi 1988- M.O.Akintobi	
A012	B.V.Z.T. Belgium	1978- L.Wulleart 1978- R.Maleux	
A013	AEDIAH Spain		1985 -F.Castella G.
1974-1984	A.Bonnin		
1978. 1982	M.Perez Sheriff	1992- L.Lopez Fando	
1983- 1990	L. Gil Nebot		
1990-1992	M.Perez-Sherrif		
A014	A.S.I.H. Switzerland		
1978-1979	P.L.Kuchler	1972- J.Flury	
1980-1982	J.Klopfstein	1983- C.Durr	
A015	F.S.M.D. Denmark		
1978-1982	A.Olesen	1983- P-Eric Ree	
1978-1986	J.Roesgaard	1986- K.Jensen	
A016	L.A.H.E. Israel		
1979-1985	A.Gill	1973- E.Rahat	
1986-1987	A.Shibatz	1990- S. Kopilov	
A017	W.G.K.T. Germany		
1979- 1988	O.Anna	1979- H.Wilke 1988- C.Hartung	
A018	C.H.E.S. Canada		
1980- 1985	S.T.Morawski		
1984-	L.Ellinas		
1988-	N.Crane		
A019	A.V.A.M.S. Venezuela (Non-Active): Terminated Membership in 1987		
1982-1987	A.Camazzi		
1982-1987	Y.Alvarez		
A020	H.E.A.J. Japan	1984- K.Matsumoto 1984- T.Morimura	

## A021 I.I.H.E. India

1973- 1982 J.Mehta

1984-1990 G.Gupta  
Terminated Membership July 1990

## A022 H.A.T.I.M.J. Indonesia

1985- S.Soetyodi  
1985- J.F. Sunandar

## A023 I.F.A.I.S. Sweden

1985- 1987 S.Sjoberg  
1985-1990 J.E. Lowborn  
1988- 1990 L. Teigman1990- G. Rosenquist  
1990- K. Westlund

## A024 F.K.T. Germany

1986-1990 H. Ruttowski  
1986-1990 J. Braur  
1990-1992 V. Sporleder

1990- Bernd Jurenz

## A025 A.A.D.A.J.H. Argentina

1987- 1990 A. Bonnahon

1987- L.Font  
1990- A.Robles

## A026 C.N.E.T.O. Italy

1988- C.Fuluci  
1988- G.Manara

## A027 C.A.M.P.B.E. Cyprus

1989- A.Mallouppas  
1989- S.Spyrou

## A028 F.S.T.L. Norway

1991- G. Baekkan  
1991- O. Rist

## A029 C.A.B.T.P. Cameroon

1992- Prof. S. Yunkap Kwankam  
1992- Andre Mboule

## A030 C.A.H.E. Croatia

1992- Aleksander Greguric  
1992- Stanko Tonkovic

The following were admitted as MEMBERS but never paid any fees

Their membership was terminated in 1984:-

M.o.H. Engineering Services Association admitted in 1976

Pakistan Association of Hospital Engineering admitted in 1980

“ASSOCIATES” - MEMBERS OF COUNCIL 1970 UNTIL IFHE WAS RESTRUCTURED IN 1983

Eduardo Caetano – Portugal	1970-1972		
Jan Thorn – Sweden	1970-1983	Antonio Bonnin – Spain	1974-1977
Otto Gescer – Hungary	1972-1983	L.D. Etheridge – Barbados	1974-1983
Joseph Flury – Switzerland	1972-1978	M. Soheii – Iran	1974-1983
ELiza Rahat – Israel	1972-1979	Hassan Sharway – Egypt	1976-1983
A.O. Faluyi – Nigeria	1973-1976	Ivo Gersic – Yugoslavia	1976-1983
W.D. Clinkscales - 5th Africa	1974-1976	Sher Mohammad – Pakistan	1976-1980
J.A. Silva – Brazil	1974-1982	T. D. Armstrong – Oman	1978-1983
Wael. el Bunni – Syria	1973-1979	S.T. Morawski – Canada	1980-1983
R.S. Sivoli – Venezuela	1973-1982	I.J. Haddadin – Jordon	1980-1983
J.C. Mehta – India	1973-1983	Ali Al Zaid - Saudi Arabia	1981-1983

**SUMMARY OF DISCUSSIONS/DICISSJONS GROUPED UNDER SUBJECT HEADINGS.**

## Council Meeting

## IFHE'S STRUCTURE

Initial Statute and Standing Orders approved	1st
Proposal to admit industrial firms as Members rejected	2nd
Proposal to extend categories of membership outlined	15th
Draft new structure and S. Os. accepted with modifications	16th
Statute & S.Os. including 'A''B''C''D' & 'E' Members agreed	17th
Amendment to Article 6. of the Statute proposed	18th
Amendment to Article 6. of the Statute agreed	19th
First proposal to form a permanent secretariat - no action	19th
"Nat a]" and "Federation" in the Statute defined	20th
Permanent secretariat proposed again - no action taken	23rd
Agreement to establish permanent secretariat	24th
The venue for the permanent secretariat defelTed	24th
Agreement to establish permanent address in Bologna	
Subject to review	25th

## FEE STRUCTURE

First fee structure agreed	1 St
Committee to recommend new fee structure	6th
Committee recommendation for new fee structure accepted	7th
Proposal to double fees rejected - another Committee was set up to study finances	12th
Finance Committee revised fee structure accepted	12th
Agreed to double Members fees pending re-structuring	15th
Change of fee structure to be further studied	17th
New sliding scale of fees agreed	18th
Fee for 'B' Members changed	19th
Proposal to double 'A' Members fees over three years	20th
All membership fees increased from 1990	22nd
'A' Members fees increased by 10% from January 1993	25th

## INTERNATIONAL JOURNAL

First proposal to establish an International Journal	1st
First Issue published	1st
Agreement to buy 200 copies of the each issue to send to people interested in JFHE's activities	3rd
First appeal to Members for technical articles	3rd
Appeal again for technical articles	12th
Journal Committee formed to propose improvements	12th
Journal Committee made recommendations	12th
Financial contribution made by a Member and an Associate to help to make the Journal more international	12th
Committee reported agreed languages for publication	13th
Problem of obtaining articles discussed, exchange of articles with Australia. Spain & USA offered	14 <sup>th</sup>

Discussion to improve the Journal - Newsletter proposed	15th
Payment for translation costs agreed at #8(X)	18th
Two papers received proposing improvements	20th
Considered if other 'A' Members could produce the Journal	21st
Proposal to get more papers for the Journal	22nd

## LIBRARY/DATABANK

Dr. Omato establishing a library in Rome	4th
Committee to study library function	6th
Proposal to establish an IFHE library abandoned	8th
ASHE - USA offered to set up a Databank	16th

## PUBLICITY PAMPHLET

First issue drafted	5th
New publicity leaflet agreed	17th
Promotional pamphlet to be produced - did not materialise	20th
New pamphlet drafted to be produced in five languages	22nd

## CONGRESS ORGANISATION

Criticism of the way in which the 1976 Congress was being organised	8th
Further comments on 1976 Congress	9th
Arising from the 1976 Congress - agreed to apply rules for Congresses as listed	10th
Committee on evaluation of Congresses reported	14th
Problem of late registrations at Amsterdam	16th
Congress organisers to pay IFHE #2,000	20th
Congress organisers to pay IFHE #5 per delegate instead of #2000	22nd

## COOPERATION WITH OTHER INTERNATIONAL ORGANISATIONS

Agreed cooperation fruitful with reservations	13th
Agreed to seek collaboration with World Health Organisation	19th
Proposal to give Honorary Membership to the International Federation of Security rejected	21st
Acceptance of IFHE into official relationship with WHO from January 1988 was confirmed	21st
Honorary Membership of any International Organisation rejected - they should apply for 'C' Membership	22nd

## REGIONAL GROUPS

First proposed by New Zealand for Australasia and the East - referred back for more details	10th
Proposal to form a Pacific Group rejected	11th
Pacific Group approved	20th
Latin Group not official but supported	24th
East Mediterranean Group proposed	24th
Latin American Group proposed	24th

## PROPOSALS TO ADOPT FURTHER LANGUAGES

Spanish proposed - rejected on cost grounds	11th
Spanish proposed - rejected again on cost grounds	20th
Spanish as a 3rd. official language again rejected because it would extend discussion time in Council meetings	21st

## PROPOSED AWARDS

For the best report at each Congress - rejected due to difficulty in judging for best articles published in journals of National Associations - agreed to award certificates.

22nd

Award to a member for his life work – rejected as impossible to determine criteria

22nd

Issue of Lapel Pins to Past Presidents and Council members

22th



Bruno Massara  
First General Secretary 1970-1980