

**International Society for Soil Mechanics and Foundation Engineering - Minutes
of the Council Meeting held in Congress Centre, Hamburg, Germany**

September 7, 1997 8.30 a.m to 12.30 p.m
2.00 p.m to 6.30 p.m

PRESENT

President:	Prof M Jamiolkowski	
Vice Presidents:	Prof M K El-Ghamrawy	Africa
	Prof A S Balasubramaniam	Asia
	Mr M C Ervin	Australasia
	Prof W F Van Impe	Europe
	Prof L Valenzuela	South America
	Mr V Milligan	North America
Past President:	Prof N R Morgenstern	
Board Member:	Dr K Høeg	
	Prof T Kimura	
	Prof F Schlosser	
Secretary General:	Dr R H G Parry	
(After lunch)	Prof K Ishihara	
	Mr Michel Gambin	
	Prof R Peck	
President ISRM:	Prof S Sakurai	
Vice Presidents:	Prof F Bogossian	South America
Elect	Mr G Springall	North America
Past President IAEG:	Prof R Oliveira	
Chairman TC7:	Prof J H Troncoso	
Chairman TC8:	Prof E Slunga	
Chairman TC9:	Prof J-P Gourc	
Chairman TC11:	Dr D M Cruden	
Chairman TC15:	Mr R Termaat	
Chairman TC16:	Dr P K Robertson	
Chairman TC17:	Prof I Juran	
Chairman TC29:	Prof F Tatsuoka	
Secretary TC30:	Dr T Tsuchida	
Chairman TC31:	Prof H G Poulos	

MEMBER SOCIETY

VOTING MEMBER

NON-VOTING MEMBER

Argentina		
Australia	Prof Mark Randolph	Prof John Carter
Austria	Prof Dr Heinz Brandl	Dr Manfred Fross
Azerbaijan	Prof Yagub Eyubov	
Bangladesh	Prof A S Balasubramaniam*	
Belgium	Prof A Holeyman	
Bolivia	---	
Brazil	Prof Willy Lacerba	Mr L Guilherme de Mello
Bulgaria	Prof Dr Georg Stefanoff	Dr Dimiter Alexiew
Canada	Prof Jim Graham	Prof R Kerry Rowe
Chile	Prof Jorge Troncoso	Mr Issa Kort
China	Prof Xue-Yuan Hou	
Colombia	Mr Luis Fernando Vesga	
Costa Rica	---	
Croatia	Mr Zvonimir Lisac	Mr Mensur Mulabdic
Czech & Slovak Rs	Dr Jaroslav Fedá	Mr Jan Bohac
Denmark	Prof Jørgen Steenfelt	Mr Jens Kammer Mortensen

MEMBER SOCIETYVOTING MEMBERNON-VOTING MEMBER

Ecuador	Prof Willy Lacerba*	
Egypt	Mr M Hamza	
Estonia	Mr Mait Mets	
Finland	Mr Hans Rathmayer	Mr Markku Tuhola
France	Prof Michel Londez	Dr Samuel Amar
Germany	Prof W Wittke	Prof E H M Nussbaumer
Ghana	---	
Greece	Dr Dimitri Coumoulos	Dr A G Anagnostopoulos
Hungary	Dr Tibor Boromisza	
Iceland	Prof Jorgen S Steenfelt*	
India	Prof N Som	Prof Gopal Ranjan
Indonesia	Prof A Aziz Djajaputra	
Iran	Mr Kamran Rezvan	Mr Behrouz Gatmiri
Ireland	Mr Mike Long	
Israel	Mr Carl Redel	Mr Joseph G Zeitlen
Italy	Dr Mario Manassero	Prof Luciano Picarelli
Japan	Prof Tsutomu Kimura	Prof Osamu Kusakabe
Kazakhstan	Prof Ascar Zhusupbekov	Dr Kuntas S Bizhanov
Kenya	---	
Korea R	Prof Chong-Kyu Lee	Dr Myoung Mo Kim
Latvia	---	
Lithuania	Mr L Furmonavicius	Mr Vincentas Stragys
Mexico	Dr Alberto Jaime	Dr Eulalio Juarez Badillo
Morocco	Mr Houssine Ejjaaouani	
Nepal	Dr Tej B S Pradhan	
Netherlands	Mr G W Beetstra	
New Zealand	Dr Alexei Murashev	
Nigeria	---	
Norway	Prof Jørgen Steenfelt*	
Pakistan	Dr Izhar-ul-Haq	Dr Arif Ajaz
Paraguay	---	
Peru	---	
Poland	Prof E Dembicki	Prof Zb Mylanarek
Portugal	Prof Pedro Sêco e Pinto	Prof Luis Lemos
Romania	Prof Iacint Manoliu	Prof Augustin Popa
Russia	Prof V A Ilyichev	Mr I V Kolybine
Slovenia	Prof Ludvik Traunder Ms Ana Gaberc	
South Africa	Mr Peter Day	Mr Gavin Byrne
S E Asia	Dr Siu-Mun Woo	Prof Cheng-Hsing Chen
Spain	Prof S Uriel	
Sri Lanka	Prof A S Balasubramaniam*	
Sudan	---	
Sweden	Prof Rainer Massarsch	Mr Bengt Rydell
Switzerland	Prof Peter Amann	
Syria	---	
Tunisia	---	
Turkey	Prof Ergün Togrol	Prof Ufuk Ergun
UK	Dr W H Craig	Mr N A Smith
USA	Mr Lawrence H Roth	Prof Harvey E Wahls
Venezuela	Juan Carlos Hiedra-Cobo	Juan C Hiedra-López
Vietnam	Prof Tsutomu Kimura*	
Yugoslavia	Prof Makisimovic	
Zimbabwe	---	

* denotes Proxy Vote

APOLOGIES

Prof H L Jessberger	- Chairman ISSMFE TC5
Dr S Thorburn	- Chairman ISSMFE TC20
Prof G E Blight	- Chairman ISSMFE TC25
Prof R Mair	- Chairman ISSMFE TC28
Prof A W Skempton	- Past President ISSMFE
Prof J Kerisel	- Past President ISSMFE
Prof V H F de Mello	- Past President ISSMFE
Prof P G Marinos	- President IAEG
Mr C Berenguier	- Secretary General ITA
Dr D Rodrigues	- Secretary General ISRM

INTRODUCTION

1. The President opened the meeting at 8.30 a.m. and welcomed Member Society delegates and invited participants. He mentioned that two other items not on the agenda would be raised during the meeting, namely the venue for the 4th ICEG in 2002 and a British Geotechnical Society proposal to hold an International YGEC in the year 2000.

QUORUM

2. A roll call at the start of the meeting showed 46 voting delegates to be present. As 60 Member Societies were entitled to vote, the number of voting delegates exceeded two-third of this number and consequently the meeting was quorate to deal with all matters. In addition to the voting delegates there were 6 proxy votes.

MEMBERSHIP

3. The Secretary General reported that membership of ISSMFE on 10 May, 1997 was 16741 in 70 Member Societies (see tabulation, Appendix 1a). This compares with 16667 in 68 Member Societies on 31 August 1995 reported to the Council Meeting held in Cairo on 10 December 1995. New Member Societies joining in 1996 were Azerbaijan (European Region) with 15 members and Kazakhstan (Asia Region) with 18 members. At a Conference of African Francophone countries in Marrakesh in September 1996, a general constitutive meeting was held to set up the African Transnational Society of Geotechnique (CTGA) in French. This Group Member Society has submitted all papers required for ISSMFE membership. Member Societies with membership payments four years or more in arrears are: Bangladesh, Ghana, Kenya, Latvia, Nigeria, Sudan. As a result of a meeting between Past President Professor Morgenstern and senior members of the geotechnical community in Myanmar it is likely that that country will soon be applying for ISSMFE membership.
4. Corporate Membership remains at 25 as shown in Appendix 1b. The Corporate Members are distributed by Region as follows: Africa 0, Asia 10, Australasia 0, Europe 9, North America 6, South America 0.

TECHNICAL COMMITTEE ACTIVITY

5. The President summarised the Technical Committees (Appendix 2) and advised the meeting that in making his initial review of the TCs he had merged the previous TC3 on Arid Soils with TC6 on Expansive Soils to form a new TC6 on Mechanics of Unsaturated Soils. Similarly TC27 on Pressuremeter and Dilatometer Testing had been merged with TC16 on Penetration Testing to form a new TC16 on Ground Property Characterisation from In-situ Testing. Three new TCs had been formed, viz: TC29 on Stress-Strain Testing of Geomechanics in the Laboratory, TC30 on Coastal Geotechnical Engineering and TC31 on Education. He confirmed that most of the TCs had been very active in organising symposia or special meetings, or in preparing reports or technical specifications. He reminded delegates that their

Member Societies should inform the new President regarding their wishes with respect to Technical Committees. He felt, himself, that most TCs should continue their work, although with changes in membership and terms of reference and, in some cases, host country.

COMMUNICATION

6. Mr Ervin advised the meeting that a Database of Geodatabases in diskette form was available at a cost of USD50 to ISSMFE members (from GE-IRC, Asian Institute of Technology, PO Box 4, Klong Luang, Pathumthani, 12120, Thailand).
7. A rudimentary ISSMFE Homepage had been set up on the Internet, and this will be expanded by the incoming Board.
8. Negotiations had almost been completed for ISSMFE members to gain favourable status access to the Swedish Geotechnical Institute Information Retrieval System (SGI Line). Access will be through the Internet. Mr Ervin confirmed that the system was comprehensive and suited to the needs of ISSMFE Members consisting of some 40000 card records of pre-1976 published material and 45000 post-1976 records in electronic form. He summarised the latest SGI proposal:
 - (a) ISSMFE Members to get access to the system on the Internet for USD250 per annum, which is a 40 per cent reduction on the full commercial rate of USD420 per annum.
 - (b) ISSMFE will pay USD7000 to SGI to record, electronically, selected pre-1976 publications. This will be paid in two parts, USD3000 at commencement and USD4000 at completion of the task.
 - (c) As far as possible ISSMFE will arrange for all ISSMFE sponsored publications to be provided to SGI free of charge.
 - (d) ISSMFE will pay SGI USD6000 per annum to maintain the system. SGI have agreed that this can be in the form of 24 subscriptions at USD250 each for selected recipients in developing countries.
 - (e) The agreement with SGI will be reviewed at each Council Meeting.
9. Following Mr Ervin's introduction, Dr Bengt Rydell explained the SGI Retrieval System to the meeting and distributed a flier describing the system. He said it would be operational on the Internet in October 1997, with free access until the end of 1997, after which access would be by fee payment.
10. It was agreed by the meeting that the incoming Board should finalise the agreement with SGI.

EDUCATION

11. Prof Van Impe said that the work of this Task Force on Education has been merged with the work of TC31 on Education and he referred to an outline he had

prepared (Appendix 3) of a report by TC31, to be discussed in a Workshop on Education in Geotechnical Engineering in the programme for the XIV ICSMFE.

REGIONAL REPORTS

12. Brief summaries of their Regional Reports (Appendix 4a-f) were given by the Regional Vice-Presidents.

STATUTE 12G

13. The President expressed his concern that the two most recent ISSMFE Council meetings in 1994 and 1995 had not been quorate for voting on changes of statutes. It was therefore being proposed in the next item on the agenda to allow proxy votes to be counted in establishing a quorum. This would make for more effective decision taking by the Society in view of the limitations placed on delegate numbers at Council meetings by the growing cost of travel and sometimes the remoteness of the meeting. However, he felt that the designation of proxy votes should be tightened and the number that may be carried by any delegate should be limited. This would require a change to the present Statute 12C:

"A Member Society which is not able to have a delegate present may transfer its voting rights either to its own Vice-President or to the delegate of another Member Society having notified this in writing to the Secretary General. However, no delegate may carry more than four such proxy votes."

Proposed amended Statute 12G:

"A Member Society which is not able to have a delegate present may transfer its voting rights either to its own Vice-President or to the delegate of another Member Society having notified this in writing to the Secretary General at least one month before the Council Meeting. No delegate may carry more than two such proxy votes, with the exception of the ISSMFE Vice-Presidents who may carry three such proxy votes".

14. After some brief discussion an amendment, proposed by the Danish delegate and seconded by the Greek delegate, was carried to omit "at least one month" from the motion, and then the amended motion put to the vote. It was not carried as there was one vote against by the Finnish delegate. There were also four abstentions. However, as a two-thirds majority was achieved, the motion may be put to the next Council meeting and carried with a two-thirds majority.

BY-LAW 12K.1

15. A motion approved by the Board to amend By-law 12K.1 was put to the meeting by the Chairman:

Present By-law 12K.1:

"In determining the 'quorum', only those Member Societies with delegates present are counted. (Proxy votes are not counted in determining the quorum)".

Proposed amended by-law 12K.1:

"Proxy votes formalised in accordance with Statute 12G shall be counted in determining the quorum".

There was no discussion on this motion and it was carried with no votes against and no abstentions.

STATUTE 18B

16. It was explained by the President that the requirement of Statute 18B that amendments to Statutes could only be passed at a single Council meeting if there was no votes against was very restrictive for an International Society like ISSMFE. This created a serious problem and even the allowance of Statute 18C, that such changes could be made by two-thirds majority at two successive Council Meetings, meant that long periods could elapse before important changes could be made. He knew of no other learned Society which imposed such restrictions, and proposed that Statute 18B should be amended.

Present Statute 18B:

"An amendment to the Statutes which is passed with no votes against by the Council shall come into effect from the date fixed by the Council".

Proposed amended Statute 18b:

"An amendment to the Statutes may be passed by a qualified majority of three-quarters of Council, voting in accordance with Statute 12G".

17. An amendment proposed by the Danish delegate and seconded by the Swedish delegate to replace "voting in accordance with Statute 12G" by "voting in accordance with Statute 12K and By-law 12K.1" was carried with no votes against and one abstention.
18. In reply to a query from the Pakistan delegate the Chairman advised that any change to statutes would not come into effect until after the end of the present meeting.
19. The amended motion was lost, as there was one vote against by the Turkish delegate. However, as there were no abstentions, a two-thirds majority was secured, allowing the motion to go forward to the next Council Meeting were it can be carried by a two-thirds majority.

NAME OF SOCIETY

20. The following motion, approved by the Board, was put to the meeting by the Chairman:

"The name of the International Society for Soil Mechanics and Foundation Engineering is to be changed to the International Society for Soil Mechanics and Geotechnical Engineering. This name will become effective immediately following the closing session of the XIV ICSMFE."

21. In introducing this item the President said that the proposed name: (a) reflected the present activities of ISSMFE members (b) allowed the incorporation of new areas of activity (c) gave due consideration to the

interests of the Sister Societies and (d) should prevent a proliferation of new International Societies to fill voids left by the present name of ISSMFE. In response to a letter he had sent to all member Societies, 42 Member Societies had given a positive reply to the proposed new name, and another 10 had supported it, although preferring the name International Society for Geotechnical Engineering. There were no replies opposing the proposed name. Although a motion was put to the Council Meeting in Cairo in December 1995 proposing that the new name should be adopted, the subsequent vote taken on this was invalid as the meeting was not quorate for changing the statutes, which a change of name required.

22. He said that both Sister Societies had also considered changing their names at their recent Council Meetings. It had been agreed by the IAEG Council Meeting in Athens in June 1997 that their name should be changed to the International Association for Engineering Geology and the Environment. At the ISRM Council Meeting in New York two possible new names had been discussed, viz: "International Society for Rock Mechanics and Rock Engineering" and "International Society for Rock Mechanics and Geotechnical Engineering". The President said he strongly favoured the latter name as it matched the proposed name change for ISSMFE and might, sometime in the future, help towards a merging of the two Societies. As the ISRM Council Meeting vote was split equally between the two proposed names, the existing name was retained.
23. In discussion, the President confirmed that the number sequence for ISSMFE 4-yearly International Conference would continue and the Conference in Istanbul in 2001 would be XV ICSMGE. The problem of a French translation was raised and Prof Schlosser confirmed that it was difficult to find a translation for "Geotechnical Engineering" and "Géotechnique" was the best compromise. Prof Sakurai, President of ISRM, confirmed that his Society was retaining its present name because of the split vote. He said mining engineers did not like the term "Geotechnical Engineering". Dr Oliveira, representing IAEG, said that his Society, while changing its full name, would retain the initials IAEG.
24. Before taking the vote on this item a count was made to check the quorum. There were 48 voting delegates present, which was sufficient to allow a change in statutes. As there were no votes against and one abstention, the motion was carried. The new name of the Society, to take effect from the end of the XIV ICSMFE, will be the "International Society for Soil Mechanics and Geotechnical Engineering" (ISSMGE). In French the "Société Internationale de Mécanique des Sols et de la Géotechnique".

Australasia	Prof Mark Randolph
Europe	Prof Dr Heinz Brandl
North America	Mr Guillermo Springall
South America	Prof Francis Bogossian

These names were greeted with applause.

ELECTION OF ISSMFE PRESIDENT 1997-2001

26. Election papers were distributed containing the names of the two candidates for the ISSMFE Presidency 1997-2001:

Professor Kenji Ishihara, nominated by Indonesia, Japan, Korea, Poland, Sri Lanka.

Professor Harry G Poulos, nominated by Australia, Canada, Germany, Israel, Russia, South Africa.

In a secret ballot, the following votes were cast:

Professor Ishihara	30 votes
Professor Poulos	24 votes

The President announced the election of Prof Ishihara to the office of President, ISSMGE, for the period 1997-2001. This was greeted by applause.

VENUE FOR THE 1999 ISSMGE BOARD AND COUNCIL MEETING

27. The Secretary General advised that offers to host the 1999 ISSMGE Board and Council Meetings had been received from the Organising Committees from all five Regional Conferences to be held that year, as follows:

12th African Regional Conference to be held in Cape Town/Durban, South Africa, April 12-14.

8th ANZ Conference on Geomechanics to be held in Hobart, Australia, 15-19 February.

11th Asian Regional Conference to be held in Seoul, Korea, August 23-27.

12th European Regional Conference to be held in Amsterdam, The Netherlands, June 7-10.

11th Panamerican Conference to be held in Foz do Iguacu, Brazil, August 8-12.

Following brief oral presentations to host the meetings, voting papers were distributed. In a secret vote the candidate with the lowest number of votes was eliminated and this was repeated in successive votes, until only two candidates remained. The votes cast for the final two candidates were:

Amsterdam, June 7-10	27 votes
Hobart, February 15-19	26 votes

Consequently the ISSMGE Board and Council Meetings in 1999 will be held in Amsterdam at the time and venue of the 12th ECSMGE.

XIV ICSMFE HAMBURG

28. In welcoming delegates to the XIV ICSMFE,

REGIONAL VICE-PRESIDENTS 1997-2001

25. The President advised the meeting that the elected ISSMFE Regional Vice-Presidents for 1997-2001 were:

Africa	Mr Houssine Ejjaouani
Asia	Prof Sang-Kyu Kim

Professor Wittke announced that 1073 participants had registered for the Conference up to that time, of which 308 were Germans. There were 210 accompanying persons. 75 delegates had registered from Eastern Europe, of which the German Science Foundation were covering all costs for 15 of these and the registration fee was being waived for a further 10. There were 72 exhibitors, of which 40 were German. Professor Wittke thanked the Conference Advisory Committee and Conference Advisory Board for their work and said that the number of participants already registered ensured the economical success of the conference.

LANGUAGES AT INTERNATIONAL CONFERENCES

29. As the original motion on this item to amend Statute 3D, prepared by the German Member Society and presented by Professor Wittke, drew considerable criticism it was withdrawn and a new motion prepared by the German delegate and seconded by the Bulgarian delegate, viz:

"The official languages shall be used in the proceedings and sessions of an International Conference. The language of the host country may also be used for oral presentations and discussions as an unofficial language, if the host country so wishes, and if simultaneous translations are provided. The costs for these simultaneous translations have to be borne by the host country and shall not be charged to the registration fees".

30. The reason advanced in proposing this motion was that an International conference of the ISSMFE is a considerable economical risk for the Member Society of the country hosting the conference, in particular for those countries where no government funds or financial support is given. A conference must therefore be attractive for both the members of the Member Society and for consultants and construction companies and exhibitors. That attractiveness depend largely on the use of the native language of the host country during a conference.
31. This motion was lost as there were 8 votes against, 7 abstentions and 34 in favour. As it has a two-thirds majority in favour it may be carried forward to the next Council Meeting, where a two-thirds majority will be sufficient to bring it into effect.

XV ICSMGE, ISTANBUL 27-31 AUGUST, 2001

32. Presenting his report on this item (Appendix 5), Professor Togrol, Chairman of the XV ICSMGE Organising Committee, confirmed that all traditional aspects of the International Conferences would be included, but it was intended to provide more time for discussion and to investigate more modern publishing methods, such as the use of CD-ROMS. Technical Committees could run separate specialist conferences within the programme. He expected 2000 participants to attend the conference.

GEO ENG 2000, MELBOURNE 19-24 NOVEMBER 2000

33. Mr Ervin, Chairman of the Organising Committee for GeoEng 2000, in presenting his report (Appendix 6), stressed the synergy between the three Sister Societies

IAEG, ISRM and ISSMFE, which has led to the three incumbent Presidents promoting the holding of a joint international millennium conference in the year 2000. Other International Societies IGS, ITA and IAH had also accepted to be co-sponsors. Mr Ervin then summarised the programme contained in fliers he had distributed to meeting delegates. He encouraged delegates to visit the GeoEng 2000 booth at the XIV ICSMFE exhibition. He said he expected the registration fee for GeoEng to be about USD600.

3RD ICEG, LISBON 7-11 SEPTEMBER 1998

34. A summary of his report (Appendix 7) was given by Professor Sêco e Pinto, who said that 204 abstracts had now been received from 28 countries. He was particularly concerned that there had been no abstracts from Scandinavian countries and only four from USA. The deadline for receipt of abstracts was the end of September.

4TH ICEG 2002

35. The President explained that it had been the recommendation of the Board that, although the first three ICEGs had been held at two year intervals, these intervals should be extended to four years following the 3rd ICEG in Lisbon. The 4th ICEG would consequently be in the year 2002, although environmental geotechnics would be one of the major topics at GeoEng 2000. It had already been decided that the ICEG series should be treated in the same manner as the tradition ICSMFE series and the venue voted upon at Council Meetings. However, it would be too late to vote on the venue for the 4th ICEG in the 1999 Council Meeting, but he had received an excellent offer from the Brazilian Member Society to hold the 4th ICEG in Rio de Janeiro in 2002. Although this matter was not in the agenda for this Council Meeting he hoped that the meeting could come to an agreement on this. This would enable the 4th ICEG to be promoted in Lisbon in 1998. As the previous two ICEGs were held in North America (Canada) and Asia (Japan), and the 3rd would be in Europe (Portugal) he felt there was a strong case for the 4th to be held in South America.
36. As there was no opposition to this proposal the President announced that the 4th ICEG would be held in Rio de Janeiro in 2002.

YGEC 2000

37. The President drew attention to a paper (Appendix 8) which had been distributed to delegates at the meeting, prepared by the British Geotechnical Society, proposing to hold a "one off" International Young Geotechnical Engineers Conference in the year 2000. It would be held in Southampton 11-13 September 2000.
38. The meeting agreed to this proposal.

ISSMFE 1997 LIST OF MEMBERS

39. It was reported by the Secretary General that an offer by A Balkema was accepted to produce a 1997 ISSMFE List of members with the same bound format as in the past, for GBP 0.82 (USD1.3) per copy. On 26 June 1996 a letter was sent from the Secretariat to the Secretaries of all Member Societies asking them to forward direct to Balkema their lists on computer disk (with a printout) by January 1997. A reminder was sent out with subscription notices in early December 1996, and further reminders in February and April 1997 to Societies which had not submitted lists. The Secretaries were advised that, as with previous issues, copies of the List of Members would be sent to them in bulk for distribution to members who requested them. Each Member Society would receive a number equal to about 20% of their membership number. The total number printed would be 3750. Proofs of the lists prepared by Balkema had been sent back to Member Societies for checking and final lists sent out to all Societies. Thirteen Member Societies failed to send in lists of their members. On 27 November 1996 a letter was sent to all 25 Corporate members advising them that they could place a business card in the List of Members if they wished to do so. Only three responded to this. A list of all Corporate Members, by name and country, is included in the List of Members. In a break with tradition, ISSMFE Statutes and By-laws were not included in this edition of List of Members, because of possible change of statutes at this Council Meeting and the change in the name of the Society.
40. The 1997 ISSMFE List of Members has now been printed by Balkema and would shortly be sent in bulk to Member Societies.

ISSMFE HOMEPAGE ON THE INTERNET

41. Acting on a proposal by Mr Ervin, Chairman of the Task Force on Communications, the Secretary General reported that the ISSMFE Board had asked him to explore the possibility of ISSMFE setting up a Homepage on the Internet. The Board has also asked Mr Ervin to write to Professor Mark Randolph asking him if he would agree to take responsibility for setting up a small committee to recommend on the design and contents of the Homepage. A basic Homepage has been established, but no attempt has been made as yet to develop the site and this action has now been delayed until after the installation of the new President and Board. This will also give the opportunity for the committee to be set up by Professor Randolph to make its recommendations.

The cost of renting the present website is GBP10 per month. In addition to this a set-up fee of GBP12 has been paid, but the principal costs will be in employing someone to further set up the site and input the detailed information. The cost might be GBP500 to 1000 and there may be further costs for monthly updates if this cannot be done by the Secretariat.

MANUAL FOR PRESENTATION OF TECHNICAL PAPERS

42. A proposal by the Israeli Member Society (Appendix 9) was presented by Mr Redel, that ISSMFE should

prepare a manual for preparation of technical papers for conferences under the auspices of ISSMFE.

43. There was support from Professor Steenfelt, who said that presentation on CD-ROM should also be considered, and from Professor Cruden who said that such a manual should be made available to all Chairs of Technical Committees. Dr Day expressed some concern that such a manual could stifle beneficial changes in publication methods in the future.
44. Noting that the meeting was expressing some interest in the proposal, the President recommended that it should be considered by the new President and Board.

MODEL LIBRARIES

45. Reports were presented by the Secretary General on the English Language Model Library (Appendix 10a) and by Mr Gambin on the French Language Model Library (Appendix 10b). Mr Gambin said that a French Newsletter was also being distributed to selected recipients, based partly on ISSMFE News.
46. The President said he felt strongly that the Model Libraries in English and French were a worthwhile initiative which should be continued. He also drew a parallel with the proposed agreement with SGI for ISSMFE to pay subscriptions to SGI Line Information Retrieval System for selected recipients in growing countries. The procedure for selecting the recipients, in particular inviting suggestions from Regional Vice-Presidents, would have to be similar to that for selecting Model Library recipients.

ISSMFE HERITAGE MUSEUM

47. In presenting his report on this item (Appendix 11a), Professor Van Impe said that his proposal to establish an ISSMFE Heritage Museum had been approved by the ISSMFE Board Meeting held in Santiago in 1996. The Turkish Member Society had made an offer to host the Museum, some details of which were given in his report and, more recently, an offer (Appendix 11b) had been received from the German Member Society to accommodate the Heritage Museum at the Deutsches Museum in Munich. At this time he was asking for the Council to authorise the incoming President and Board to select a suitable location for the Heritage Museum and to finalise an agreement, to be presented to the 1999 ISSMFE Council Meeting.
48. Professor Togrol confirmed that the Rector of the Istanbul Technical University had offered to provide sufficient space in one wing of a new building now under construction, to accommodate the proposed Heritage Museum. The building will be completed at the end of 1998. The facilities would include living quarters for young people wishing to do research linked with the Museum and also a large meeting room.

49. Professor Wittke distributed to the meeting a letter from Professor Fehlhammer offering to house the ISSMFE Heritage Museum in the Deutsches Museum, Munich. Professor Wittke said the Museum already had sections devoted to structural engineering,

tunnelling and highway design. The addition of geotechnical engineering would complement these. Support for setting up the Museum would be given by the German civil engineering industry and the DGGT and the Museum would cover running costs. Additional scientific support would be given by the two technical Universities in Munich. The Museum would be open for scholars and researchers, and particularly young people. He would be preparing a report on this offer for the ISSMFE Board.

50. The President thanked Professor Togrol and Professor Wittke for these offers and said that any offer would have to cover both the setting up of the Museum, including obtaining and transporting items, and subsequent running costs. These would have to be compatible with the ISSMFE Budget. He asked that the meeting should authorise the incoming President and Board to explore these and other possible offers to house the Museum and to finalise a suitable solution. The meeting agreed to this.

RELATIONS WITH SISTER SOCIETIES

51. The Secretary General said that although the three Sister Societies IAEG, ISRM and ISSMFE have always enjoyed a close relationship, they have not until now sponsored a major event. This will be remedied with the organisation of GeoEng 2000, an International Conference on Geotechnical and Geological Engineering to be held in Melbourne, Australia, 19-24 November 2000. Planning and organisation of the conference is well in hand, as described by the Chairman of the Conference Organising Committee, Mr Ervin, in his report to this meeting, and a meeting of the Conference Advisory Committee was held in Singapore in February 1997, attended by the Presidents of the three Societies, the Secretaries General of ISRM and ISSMFE, members of the Organising Committee and the ISSMFE Vice-president Elect for Australia. Co-Sponsors will be the International Geosynthetics Society, the International Tunnelling Association and the International Association of Hydrogeologists.
52. A close co-operation was established between ICOLD and ISSMFE (through TC7 and ISSMFE Vice-President for South America, Mr Luis Valenzuela) in jointly sponsoring the Symposium on Tailings Dams held in Santiago, Chile, in October 1996. The ISSMFE Board Meeting was held at the same venue immediately before the Symposium.
53. ISSMFE continues to be an affiliate member of the International Union of Geological Sciences and through this connection ISSMFE has been invited to nominate a representative to act on the Organising Committee for the 31st International Geological Conference, to be held in Rio de Janeiro in the year 2000. ISSMFE Vice-President Elect for South America, Professor Francis Bogossian, has kindly agreed to act in this capacity.
54. In recent telephone conversation, the President of the International Geosynthetics Society, Professor Colin Jones, and the ISSMFE Secretary General agreed on the desirability of a closer working relationship

between the two Societies. Their interests were complementary, as IGS primary interest was in Geosynthetics and their application in Geotechnical Engineering, whereas ISSMFE primary interest was Geotechnical Engineering and the possible uses of Geosynthetics. Professor Jones promised to raise the possibility of closer co-operation with Officers of his Society at their meeting in August 1997, and the ISSMFE Secretary General said he would raise this with the new President of ISSMFE in September, particularly in relation to his review of the work of TC9 on Geotextiles and Geosynthetics and his choice of a Chair for this Committee.

55. The President said that ISSMFE was awaiting initiatives from IAEG and ISRM for the next meeting of the three Secretaries General.

ISSMFE AUDITED ACCOUNTS 1995, 1996

56. The Secretary General reported that the ISSMFE audited accounts for 1995 (Appendix 12a) showed a decrease in cash balance of GBP9581 in GBP accounts and an increase of CHF65,179 in the CHF account. Taking $GBP1 = CHF1.787$ gives a net increase in cash balance of GBP26893 as against a budgeted deficit of GBP17350. In terms of GBP, Member Society subscriptions were GBP106,690 compared to budget GBP73000, but this excess was a result of a substantial drop in the value of GBP against the CHF. This has an important influence because ISSMFE income is primarily in CHF, whereas expenditures are mostly in GBP. As a matter of interest the exchange rate dropped from 2.20 in 1993 to 2.05 in 1994 and 1.787 in 1995 (increasing again in 1996 to 2.30). Separation of the Ordinary and Extraordinary accounts items (Appendix 12c) shows a surplus of GBP40563 on the Ordinary receipt and expenditure items and a deficit of GBP10860 on the Extraordinary receipt and expenditure items. The discrepancy between these amounts and the increase of GBP26893 given above arises because of transfer of money from the Swiss bank account to the GBP account during the year at rates different to the $GBP1 = 1.787$ adopted for the year-end accounting. The one expenditure item in the Ordinary Budget which is substantially above budget and 1994 expenditure is Stationery, partly due to the printing of headed note papers and envelopes and the supply of photocopy cartridges.
57. The ISSMFE audited accounts for 1996 (Appendix 12b) showed an increase in cash balance of GBP15,507 in GBP accounts and a decrease of CHF230 in the CHF account. Taking $GBP1 = CHF2.3$ gives a net increase in cash balance of GBP15,408, against a budgeted deficit for 1996 of GBP17800. In general, Ordinary items of expenditure (Appendix 12c) correspond reasonably well with budget, with telephone and fax, and postage, substantially less than budget (GBP970 and 622 less respectively). Under Extraordinary items receipts for conference income (no item in budget) and sales of slides exceeded budget while Corporate Members subscriptions, royalties and lexicon sales were below budget. Under expenditure, conference support and ISSMFE News were substantially less than budget (GBP4000 and GBP5943 less respectively). The low figure for expenditure on ISSMFE News is because

two of the payments for postage were held over because of a dispute with DHL and payments for printing of only 3 issues were made in 1996. The fourth payment and the payments to DHL (problem now resolved) will appear in the accounts for 1997.

58. The accounts for 1995, 1996 were audited by Coopers and Lybrand, Chartered Accountants and Registered Auditors.
59. In view of the substantial funds accumulated by the Society, the President recommended that the incoming President and Board should explore the most effective means of managing these funds. He thought there could be some problems related to the introduction in 1999 of the European Common Currency.

ISSMGE BUDGET 1997-2001

60. The Budget agreed by the Board was presented by Professor Van Impe (Appendix 13). Expressing some concern at the ISSMFE expenditure, he was showing in the budget some decrease in Secretarial expenses after 1999, but had recognised that there would be some increase in expenditure at the time of the change-over of the Secretariat. An amount of GBP27,750 was allowed for Board travel and expenses in 1998,9 increasing to GBP30000 in 2000 and 2001. The Board expenditure for travel, in the past, had been less than the budgeted amount. Under Extraordinary expenditure other initiatives in the future might include a Heritage Museum, a Model Library Scheme, SGI Line Information Retrieval and Visiting Lecturers. He felt there was an anomaly in that ISSMFE Regional Conferences do not contribute to ISSMFE income, whereas the ICEG Conferences do contribute. He had consequently included a sum of

GBP8000 for Regional Conference income for the year 1999. He thought it might be cost saving for ISSMFE to have a well organised Internet Homepage, and to have an agreement with some specialised editor to send out the printed version of ISSMFE News, allowing for inclusion of some technically relevant advertising. The budget showed a substantial accumulation of funds up to 1997, but an accurate prediction of this accumulated fund could not be made beyond 1997. There was a need for the incoming President and Board to consider the financial management of these funds. Finally he felt that an increase in Member Society subscriptions in the year 2000 would be necessary to avoid a budget deficit. The last increase had been in the year 1991.

61. In discussion on this item Professor Graham said there might be some problem for Canada to pay a sudden 14% increase in ISSMFE subscription in 2000, as opposed to making small inflationary increases in payments each year, which presented no problem. Professor Steinfeld queries whether it would not be more appropriate to allow an increase in Secretariat expenditure in the future, so that it could provide more services. Dr Milligan said he thought more income could be obtained from Corporate members, by giving them a special status and a different name.
62. The budget was agreed by the meeting.

NEXT MEETING

63. The next ISSMGE Council Meeting will be held in Amsterdam on the occasion of the XII ECSMGE. The date of the meeting will be Sunday 6th June.

APPENDIX 1a.

ISSMFE MEMBERSHIP TABLE - 10 May, 1997							
Member Societies	No of Members	Africa	Asia	Australasia	Europe	North America	South America
Argentina	93						93
Australia	462			462			
Austria	72				72		
Azerbaijan	15				15		
Bangladesh	55		55				
Belgium	72				72		
Bolivia	13						13
Brazil	242						242
Bulgaria	52				52		
Canada	889					889	
Chile	46						46
China	156		156				
Colombia	37						37
Costa Rica	58						58
Croatia	43				43		
Czech & Slovak Republics	43				43		

Member Societies	No of Members	Africa	Asia	Australasia	Europe	North America	South America
Denmark	275				275		
Ecuador	22						22
Egypt	20	20					
Estonia	30				30		
Finland	177				177		
France	746				746		
Germany	1517				1517		
Ghana	33	33					
Greece	158				158		
Hungary	84				84		
Iceland	10				10		
India	430		430				
Indonesia	70		70				
Iran	58		58				
Ireland	32				32		
Israel	74		74				
Italy	262				262		
Japan	1331		1331				
Kazakhstan	18		18				
Kenya	21	21					
Korean R	87		87				
Latvia	31				31		
Lithuania	40				40		
Mexico	180					180	
Morocco	12	12					
Nepal	15		15				
Netherlands	325				325		
New Zealand	238			238			
Nigeria	58	58					
Norway	330				330		
Pakistan	80		80				
Paraguay	17						17
Peru	25						25
Poland	128				128		
Portugal	181				181		
Romania	53				53		
Russia	180				180		
Slovenia	31				31		
South Africa	546	546					
S E Asia	406		406				
Spain	230				230		
Sri Lanka	34		34				
Sudan	25	25					
Sweden	517				517		
Switzerland	264				264		

Member Societies	No of Members	Africa	Asia	Australasia	Europe	North America	South America
Syria	12		12				
Tunisia	10	10					
Turkey	181				181		
UK	1016				1016		
USA	3586					3586	
Venezuela	37						37
Vietnam	18		18				
Yugoslavia	29				29		
Zimbabwe	103	103					
TOTAL	16741	828	2844	700	7124	4655	590

APPENDIX 1b - MEMBERSHIP

ISSMFE CORPORATE MEMBERS

Agra Earth & Environmental Ltd, Canada

Apagéo-Segelm, France

Bauer Spezialtiefbau GmbH, Germany

China Engineering Consultants Inc, Taiwan

China Harbour Engineering Company, Hong Kong

Concrete Engineering Products Bdh, Malaysia

Dredging International NV, Belgium

Entrecanales y Tavora SA, Spain

Fijita Corporation Technical Research Institute, Japan

GEI Consultants Inc, USA

Geo-Research Institute, Japan

Golder Associates Inc, USA

Harza Engineering Company, USA

Keller Group Limited, UK

Kiso-Jiban Consultants Co Ltd, Japan

Klohn-Crippen Consultants Ltd, Canada

L & M Geotechnic Pte Ltd, Singapore

Monenco AGRA Inc, Canada

PROTEKT, Ukraine

Sinotech Engineering Consultants Inc, Taiwan

Soletanche Enterprise, France

STS Engineering Consultants Co Ltd, Thailand

Terre Armée Internationale, France

Tokyu Construction Co Ltd, Japan

TPL-Technoogie Progetti Lavori SpA, Italy

APPENDIX 2

ISSMFE TECHNICAL COMMITTEES

TECHNICAL COMMITTEE	SMS	CHAIRMAN
TC-1 INSTRUMENTATION FOR GEOTECHNICAL MONITORING	NORWAY	DR. E. DI BLAGIO
TC-2 CENTRIFUGE TESTING	JAPAN	PROF. T. KIMURA
TC-4 EARTHQUAKE GEOTECHNICAL ENGN	PORTUGAL	DR. P. SÊCO E PINTO
TC-5 ENVIRONMENTAL GEOTECHNICS	GERMANY	PROF. H. L. JESSBERGER
TC-6 UNSATURATED SOILS	CANADA	PROF. D. FREDLUND
TC-7 TAILING DAMS	CHILE	PROF. J. H. TRONCOSO
TC-8 FROST	FINLAND	PROF. E. SLUNGA
TC-9 GEOTEXTILES AND GEOSYNTHETICS	FRANCE	DR. J. P. GOURC
TC-10 GEOPHYSICAL SITE CHARACTERIZATION	USA	DR. R. D. WOODS
TC-11 LANDSLIDES	CANADA	DR. D. M. CRUDEN

TC-12 VALIDATION OF COMPUTER SIMULATIONS	USA	DR. J. T. CHRISTIAN
TC-13 MECHANICS OF GRANULAR MATERIALS	JAPAN	PROF. MASANOBU ODA
TC-14 OFFSHORE GEOTECHNICAL ENGINEERING	USA	DR. W. DUNLAP
TC-15 PEAT	NETHERLANDS	MR. R. J. TERMAAT
TC-16 GROUND PROPERTY CHARACT. FROM INSITU TESTING	CANADA	PROF. P. K. ROBERTSON
TC-17 GROUND IMPROVEMENT	USA	PROF. I. JURAN
TC-18 PILE FOUNDATION	BELGIUM	PROF. W. VAN IMPE
TC-19 PRESERVATION OF HISTORIC SITES	ITALY	PROF. C. VIGGLANI
TC-20 PROFESSIONAL PRACTICE	UK	DR. S. THORBURN
TC-22 INDURATED SOILS AND SOFT ROCKS	FRANCE	MR. J. L. DURVILLE
TC-23 LIMIT STATE DESIGN IN GEOTECHN. ENGN	DENMARK	PROF. N. K. OVESEN
TC-24 SOIL SAMPLING	UK	DR. D. HIGHT
TC-25 TROPIC AND RESIDUAL SOILS	SOUTH AFRICA	PROF. G. E. BLIGHT
TC-26 CALCAREOUS SEDIMENTS	AUSTRALIA	PROF. R. JEWELL
TC-28 UNDERGROUND CONSTRUCTION IN SOFT GROUND	UK	DR. R. MAIR
TC-29 STRESS-STRAIN TESTING GEOMATERIALS IN THE LAB	JAPAN	PROF. F. TATSOUKA
TC-30 COASTAL GEOTECHNICAL ENGINEERING	JAPAN	PROF. A. NAKASE
TC-31 EDUCATION IN GEOTECHNICAL ENGINEERING	AUSTRALIA	PROF. H. G. POULOS

APPENDIX 3 - EDUCATION

REPORT ON ISSMFE TC-31 + TASK FORCE ON EDUCATION

Prof. H. G. Poulos, in cooperation with the Task force on Education, is preparing a compilation of the TC-31 activities over the passed 3½ years.

The presentation of such work will be ensured during the session on Geotechnical Education in Hamburg.

The content on the document and the preparation for the Hamburg Session can be listed as indicated (enclosure).

W. F. VAN IMPE.

GEOTECHNICAL ENGINEERING EDUCATION TOWARDS 2000

Report of Technical Committee TC-31

OUTLINE

1. INTRODUCTION

- * Background of TC-31 - follows on ISSMFE 1989-94
- * Objectives of TC-31 1994-7
- * Outline of report

2. EDUCATIONAL OBJECTIVES

- * Depends on course and end-point
- * Civil; Mining; Environmental; Service course for other disciplines
- * 3 basic courses in "undergraduate" level
- * Courses & career paths

3. FUNDAMENTAL PRE-REQUISITES

- * Mathematics
- * Statics
- * Dynamics
- * Engineering Geology
- * Computer programming & other languages.programs - e.g. EXCEL, MATHCAD, MATLAB

4. CURRICULA FOR UNDERGRADUATE COURSES

- * Burland's triangle as desirable basis
- * Emphasis varies depending on country & educational background e.g. Europe, USA, UK differ in emphasis on mathematical basis, practical content
- * Course philosophy
- * 3 main courses - Basic Soil Mechanics
 - Soil & Foundation Engineering
 - Practical Geotechnical Engineering
- * "Service" courses for non-specialists may need to combine aspects of all 3

5. COMPUTER-AIDED INSTRUCTION

- * Rapid developments - scope
- * Examples of active developments for both theory & laboratory work & test simulation
- * GEOTECHNICAL (UK)
- * CATIGE (Australia)
- * University of Hong Kong

6. DEMONSTRATIONS AND EXPERIMENTS

- * More emphasis on basic principles & understanding
- * Less emphasis on carrying out routine tests (CAI can assist the latter)

- * Examples of demonstrations in various categories, as per Holtz sub-group

7. CASE HISTORIES

- * Value and use of well-documented case histories
- * Illustrations of real behaviour
- * Predicted versus measured behaviour
- * Examples
 - Bearing Capacity (Transcona)
 - Settlement (Pisa Tower ?)
 - Embankment Failure
 - Sheet pile wall failure (Daniel & Olsen, 1983)

8. POSTGRADUATE EDUCATION

- * Breadth and depth
- * Typical courses
- * Increasing emphasis on environmental courses

9. PROFESSIONAL TRAINING

- * Updating education of professionals
- * Refresher courses for fundamentals
- * Courses on newer topics
- * Courses on new developments in traditional topics
- * Teachers to gain practical experience
- * ISSMFE role in continuing education
- * Bridging the gap between practice and the latest research developments

10. CONCLUSIONS

- * Issues addressed
- * Continuing need to relate education to rapidly-changing technology
- * Researchers need to be aware of needs of industry, and vice-versa
- * ISSMFE to play continuing role in guiding developments in geotechnical education.

APPENDIX 4 a-f - REGIONAL REPORTS BY VICE-PRESIDENTS

Report to Hamburg Council Meeting, September 7th, 1997

(a) AFRICAN REGION (1994/1997)

Introduction

The African region contains 52 countries. Only 90 countries are members in the ISSMFE. During the past four years efforts were made to try to overcome some of the difficulties that surround the activities of the International Society in Africa. Communications is one of the biggest problems. So are the political unrest and instabilities. Besides local languages, almost half the region is anglophone and the other half is francophone. The reputation of ISSMFE as being anglophone alienated many francophone countries from joining. The two main achievements during the 1994/1997 vice presidency is the XI African Regional Conference and the formation of the Transnational Geotechnical Society for Francophone African Countries (CTGA) and apply for its membership in ISSMFE. This will - hopefully - help in embracing large number of African francophone countries within the ISSMFE.

The Eleventh African Regional Conference in Soil Mechanics and Foundation Engineering (XI ARCSMFEE).

The XI ARCSMFEE was held in the Nile Hilton Hotel - Cairo - Egypt 11-15 December 1995. It was preceded by a Board Meeting and a Council Meeting both of ISSMFE in 9 and 10 December respectively.

237 delegates 23 accompanying persons attended the conference.

REGION	NUMBER OF COUNTRIES	NUMBER OF DELEGATES
Africa	9	23
Asia	9	24
Europe	15	35
North America	2	6
South America	1	2
Australia	1	3
Egypt	-	144

The conference contained 10 sessions on 8 main topics. It also contained 7 keynote speakers (T. Kimura, F. Schlosser, W. Van Impe, A. S. Bazzara, N. K. Kumapley and A. J. Ferrante). A pioneering lecture on a new theory of the construction of the great pyramid of Giza was delivered by Dr. R. Parry.

144 papers were published in the four volumes of proceedings. Out of this number 50 persons presented their work during the sessions.

The vice president for Africa called for a meeting of the representatives of the francophone countries who were present at the conference. Several problems were discussed and the vice president suggested that holding a conference or a similar in which the invitation shall be specifically directed to francophone African countries was - by then - a demanding issue.

The Francophone conference, Marrakech September 1996

Both the french and the Moroccan geotechnical societies responded positively to the idea of a francophone conference. A conference was called for by the Moroccan society for two days 17 and 18 September 1996 in Marrakech. The theme for the conference was; "Pathologie des fondations et les remedes" (Damages and Remedies of Foundations). The invitations were directed towards the francophone African countries.

There were three co-presidents in the conference. The presidents of the national geotechnical societies of Morocco and France and the vice president ISSMFE for Africa. 140 delegates attended the conference from 14 francophone African countries. During this conference two important events took place.

The first is the distribution of thirteen model libraries - for the first time - in French. Each model library consists of five excellent text books including the Canadian manual for foundations. Four countries contributed to this library. France, Belgium, Switzerland and Canada. 17 African francophone institutions were eligible as recipients, 13 of which received

the model libraries during the conference. They were institutions from two from each of Algeria and Tunis and one from Burkina Faso, The Cameroon, Cote d'Ivoire, Gabon, Guinea, Mali, Morocco and the Senegal.

The second important event was the establishment of the Comite Transnational de Geotechnique d'Afrique CTGA (The Transnational Geotechnical Society for the African Francophone Countries). Egypt is a member in this society because of its unique situation as being both anglophone and francophone. France and Belgium are assistants in the formation of the society and the constitution. CTGA has completed all necessary documents for applying to the membership of the ISSMFE. The - hopeful - approval of the International Society will be sought during the Council Meeting of September 7th 1997 in Hamburg.

The Twelfth African Regional Conference on Soil Mechanics and Foundation Engineering 1999 (XII ARCSMFE)

During the XI ARCSMFE in Cairo December 1995 it was agreed between member societies in Africa to accept the invitation of the South African Geotechnical Society to hold the XII ARCSMFE in Cape Town during 1999. No specific date has - as yet - been set for this conference.

Epilogue

The African region has been set in motion after long isolation. Especially so after the XI ARCSMFE which was considered the first international geotechnical conference ever to be held in Africa. The formation of the CTGA was a great step for the francophone African countries as well as for the international society. Through CTGA half the countries of Africa will be in a way members in the ISSMFE. Besides the Moroccan society, thanks are due to Mr M. Gambin, Prof F. Schlosser and the French Geotechnical Society for their invaluable contribution for the formation of CTGA. The momentum will continue - for sure - during the coming four years especially that the new vice president is - mainly - a francophone. He will be able to connect both language speakers and communicate with African countries with ease.

(b) REPORT OF THE ACTIVITIES OF THE ASIAN NATIONAL SOCIETIES OF ISSMFE

Currently, there are fifteen National Societies of ISSMFE in Asia. Reports of activities were received from Japan, Iran, Korea, Kazakhstan, Pakistan, Israel, Indonesia, China, Sri Lanka, Vietnam and Southeast Asia. Up to the date of preparing this report, activities of the following Societies were not yet received, namely; Nepal, India, Syria and Bangladesh.

During the period of my Vice Presidency, extensive correspondence was made with all the fifteen National Societies of the ways and means for the collaboration and communication within the Asian National Societies and to improve the liaison with the ISSMFE Secretariat. No doubt, the Asian Regional Conferences have been important Forums for the interaction of the member countries of Asia. This is further strengthened by the initiation of the Japanese Geotechnical Society to:

1. Form the Asian Technical Committee of ISSMFE, and
2. Organize the regular Young Geotechnical Engineers Conference

To my experience, the Symposia and Conferences organized based on the Technical Committee activities have several advantages in the sense that:

1. the theme of the event can be narrowed down to a specific topic and thus, the value of the gathering and the printed volumes have great educational, research and professional impact.
2. with the increase in number of national societies, annual symposia can be sponsored by the Asian National Societies through ISSMFE in the newly joined member countries of ISSMFE and thus, catalyze their activities and membership profile.

Also, with the Third Young Asian Geotechnical Conference to be held next month in Singapore, the YGEC is now more matured with the first two held at AIT in 1991 and 1994, respectively. In order to coordinate these activities and to have a better liaison with the ISSMFE Secretariat, I thought that a Secretariat of the Asian National Societies can be set up. The idea was well received by most of the National Societies with the exception of one member country. Such a secretariat can be set up for a period of four years with the possibility of rotation as desired by the member countries. I am now putting this idea to the countries in an informal manner. Clearly, the Secretariat Setup in Asia, and possibly in other continents with larger country memberships, must help the ISSMFE Secretariat and should not complete with the parent body.

I am leaving this matter entirely in the hands of our incoming Vice President for Asia. If he so desires, and National Societies continue to have faith, I personally would be interested in giving any assistance to run this secretariat as AIT is centrally located in Asia and the Secretariat of SEAGS is based in AIT. The activities of each national society will not be summarized and this is done not in any particular order.

(I) Japanese Geotechnical Society (JGS)

(A) Conferences, Seminars and Symposia

- (1) First International Conference on Earthquake Geotechnical Engineering (IS-Tokyo '95) was held in Tokyo during 14-16 November 1995. Three hundred and fifty participants attended and the Proceedings contain 197 papers.
- (2) Second International Conference on Ground Improvement Geosystems (IS-Tokyo '96) was held in Tokyo during 14-17 May 1996. Four hundred and fifty seven participants attended and the Proceedings contain 144 papers.
- (3) Second International Congress on Environmental Geotechnics (IS-Osaka '96) was held in Osaka during 5-8 November 1996. Six hundred and twenty participants attended and the Proceedings contain 205 papers.
- (4) International Symposium on Earth Reinforcement (IS-Kyushu) was held in Fukuoka, during 12-14 November 1996. Four hundred and forty five participants attended and the Proceedings contain 151 papers.
- (5) Joint seminar with the Vietnam Geotechnical Society (Japan - Vietnam Seminar in

Geotechnical Engineering) was held in Hanoi during 28-29 March 1996. Five JGS members and eight VGS members lectured. Over three hundred participants attended this joint seminar.

(6) The following Conferences and Symposia are under preparation.

(a) Third Young Geotechnical Engineers Conference in Singapore (14-16 May 1997).

(b) International Symposium on Deformation and Progressive Failure (IS-Nagoya '97) in Nagoya, 4-7 October 1997.

(c) International Conference, Centrifuge '98 (IS-Tokyo '98) in Tokyo, 23-25 September 1998.

(d) International Symposium on Problematic Soils (IS-Took '98) in Sendai, 28-30 October 1998.

(B) Technical Committee Activities

(1) **TC-2, Centrifuge Testing:** International Conference, Centrifuge '98 is planned. The preparation of testing manuals and cooperative joint program are in progress.

(2) **TC-13, Mechanics of Granular Materials:** The preparation of a Book titled "Introduction to Mechanics of Granular Materials" is in progress and a symposium is to be held around the dates of the Hamburg Conference in 1997.

(3) **TC-28, Underground Construction in Soft Ground:** International Symposium on Geotechnical Aspects of Underground Construction was held in London, 15-17 April 1996. The British Geotechnical Society now takes the responsibility of this Committee.

(4) **TC-29, Stress-Strain Testing of Geomaterials in the Laboratory:** Symposium in Print in Geotechnique. A cooperative joint program is also in progress.

(5) **TC-30, Coastal Geotechnical Engineering:** International Symposium on Geotechnical Characterization of Soft Clays in Coastal Area was held 26-28 February 1997. The preparation of the International Manuals for Evaluating Design Parameters of Coastal Soft Deposits is in progress.

(6) **Asian TC on Geotechnology for Natural Hazards:** A special session on Hansin Great Earthquake was organized in Dalian China, 27-28 August 1996. The preparation of the Manual for Zonation on Rain-induced Slope Failure is in progress.

(7) **Asian TC on Localization, Bifurcation and Progressive Failure in Geomechanics:** A workshop was organized simultaneous with

the Beijing Asian Regional Conference in 1995. An International Symposium on Deformation and Progressive Failure in Geomechanics is under preparation. Working reports are to be included in Volume 2 of the Proceedings of IS-Nagoya '97.

(8) **Asian TC on Earth Reinforcement:** A special session was organized at the 1995 Asian Regional Conference, 1995. The News Letter (ERA News) is regularly circulated to the members. The final working reports are to be included in Volume 2 of the Proceedings of IS-Kyushu '96.

(C) Published Books, Journals

A special issue of Soils and Foundations on the Geotechnical Aspects of the January 17, 1995 Hyogoken Nambu Earthquake with 31 papers was published in January 1996.

(II) Kazakhstan Geotechnical Society

(A) Conferences, Symposia and Seminars

(1) First Kazakhstan National Geotechnical Conference on Foundation Engineering on Problematic Soils of the New Capital City, 28-31 May 1997, Akmola, Kazakhstan.

(2) Profs. A. Z. Zhusupbekov and B. Unaibaev participated in the APCOM Conference, Seoul, September 1981.

(3) Prof. A. Z. Zhusupbekov gave roving Seminars in Yonsei University, Korea University and Korean Advanced Institute of Technology.

(4) Prof. A. Z. Zhusupbekov and team visited Kobe Earthquake site in March 1997 and lectured at the Osaka Geo-Research Institute.

(B) Others

Prof. A. Z. Zhusupbekov received the prestigious Dr. Sc. Degree in Geotechnical Engineering, the only recipient in the Republic of Kazakhstan. Members of the Society participated in the 10th ARC in Beijing and 12th SEAGC in Kuala Lumpur, Malaysia. Members will also participate in the International Symposium in Geotechnical and Mining Engineering, Woolongong University, Australia.

(III) Korean Geotechnical Society (KGS)

(A) Conferences, Symposia

(1) **Preparation of the 11th ARC, Seoul, 1999**

The Eleventh Asian Regional Conference of the International Society for Soil Mechanics and Foundation Engineering will be held in August 1999 in Seoul. Eight Conference Themes are selected, namely; Engineering Properties of Soils and Rocks, Deep and Shallow Foundations, Underground Excavation and Tunneling, Earth Structures

and Slopes, Natural Hazards and Ground Improvement, Environmental Geotechnique, Soil Dynamics and Earthquake Engineering, and Case Histories in Geotechnical Engineering.

Poster Sessions, Technical Visits and Tours, Exhibitions, and, Social Programs will also be arranged. The venue of the conference is Seoul. Bulletin No. 1 was distributed in January 1997 and Bulletin No. 2 will be prepared towards the end of 1997. The Korean National Society has extended an invitation to host the ISSMFE Board and Council meetings in Seoul in 1999.

The conference will follow the fine tradition and examples established by the previous ten ARCs, starting with the 1st ARC in New Delhi in February 1960 to the 10th ARC in Beijing in August 1995. The conference will also emphasize more on the future trends in Geotechnique and therefore, more active participation of the Young Geotechnical Engineers will be encouraged.

(2) National Conferences

The Korean Geotechnical Society (KGS) generally arranges two National Conferences, in Fall and in Spring, each year. Attendance at each conference are between 300 and 400. The following overseas lecturers made contributions.

Professor Chen Zhong-Yi (Ching Hwa University) - "A Glimpse of the Earthworks and Foundations in Ancient China".

Professor Tatsouoka, Tokyo University (1996) - "Geosynthetic Reinforced Soil Retaining Walls as Important Permanent Structures".

(B) National Technical Committee

There are eleven Technical Committees in the Korean Geotechnical Society, namely; 1. Piled Foundation, 2. Soft Ground Improvement, 3. Information-Oriented Construction, 4. Dredging and Reclamation, 5. Excavations, 6. Tunnelling, 7. Soil Dynamics, 8. Earthquake Engineering, 9. Geosynthetics, 10. Subsoil Investigation, and 11. Rock Mechanics.

Each Technical Committee organizes International and National Conferences, Seminars and Technical Visits. An example of the international activity is the International Symposium of Piled Foundations held on 19 January 1996 and organized by the Piled Foundation Technical Committee. The invited speakers included Prof. Ir. W. F. Van Impe, Dr. R. Massarsch, Mr. Hossain, and Prof. M. Randolph.

(C) Short Courses

Since 1990, KGS regularly organizes annual Short Courses in January/February to educate the Practicing Engineers on the recent theories and design procedures. The titles of the Short Courses are

Tunneling, Soil Dynamics, and, Earthquake Engineering, respectively. Attendance each time exceeded one hundred and twenty.

(D) Journal and Publications

- (1) The Geotechnical Engineering Journal of KGS is published at bi-monthly intervals. The June issue is published in English.
- (2) Other publications of KGS are as follows:
 - (a) Proceedings of the National Conferences (Four in 1995 and 1996)
 - (b) A Design Guide for Foundations and Retaining Walls
 - (c) Geotechnical Engineering Series #7 in Tunnelling
 - (d) Geotechnical Engineering Series #8 on Soil Dynamics and Earthquake

(E) New President of KGS

Dr. Chong - Kyu Lee, Professor of Civil Engineering the Dankuk University, is elected as the new President on 28 March 1997. The outgoing President is Dr. B. H. Kang.

(IV) Iranian Geotechnical Society

(A) Conference, Symposia, Workshop

- (1) Young Engineers are trained with Workshops on Grouting, Unsaturated Soils and Plate Load Tests.
- (2) The Third Iranian Geotechnical Seminar is planned in 1998.

(B) Bulletins and Newsletters

Periodical Newsletters and Bulletins are published.

(C) Codes and Manuals

A Manual for Soil Mechanics Laboratory Tests is published for the use of Private Sectors and Educational Institutions.

(D) Soil Mechanics Library

A good Soil Mechanics Library accessible to all members is now under preparation.

(E) Others

The new Iranian Society officers are Mr. B. Amini, President and Mr. B. Serissi, Secretary with members Messrs. S. Heidari, B. Gatmiri and F. Abedzadeh.

(V) Chinese National Society

(A) Conferences, Seminars and Workshops

- (1) Tenth Asian Regional Conference on Soil Mechanics and Foundations Engineering, Beijing, 29 August - 2 September 1995. About 340 participants from 26 countries attended and 117 papers were included in the

Proceedings.

- (2) Second Chinese Young Geotechnical Engineers Conference, Dalian, 22-24 September 1995. About 90 participants and 109 papers were included in Proceedings.
- (3) Fourth National Conference on Ground Improvement, Zhaoqing, 5-9 December 1995. About 258 participants attended and 128 papers were included in the Proceedings.
- (4) Workshop on Shear Strength Tests and their Applications, Zhenjiang, 28-31 May 1996. About 57 participants attended and 28 papers were presented.
- (5) Third National Conference on Pile Foundation Engineering, Wuhan, 12-15 September 1996. About 300 participants attended and 109 papers were included in the Proceedings.

(B) Conferences and Symposia under preparation

- (1) Second International Conference on Unsaturated Soils, Beijing, 27-30 August 1998.
- (2) Fifth National Conference on Ground Improvement, 1997.
- (3) Symposium on Inspection Techniques in Geotechnical Engineering, 1997.
- (4) Symposium on Piled Foundation Technology for High-Rise and Heavy Buildings 1998.

(C) Other Events

- (1) Mao Yi Shen Award on Soil Mechanics and Foundation Engineering (once in two years). The 1996 award was given to Mr. Wang Gun-Shan, Research Professor and Mr. Liu Jian-Hang, Chief Engineer and the China Engineering Academician.
- (2) The ISSMFE membership increased from 100 to 156.
- (3) The "Geotechnical Engineering" Journal (in Chinese) is sponsored by five Chinese National Societies, and, is published bi-monthly. A Quarterly journal on Ground Improvement is also published.

(VI) Pakistan National Society

(A) Conferences and Lecture Series

- (1) Sixth National Conference on Geotechnical Engineering, January 1997.
- (2) Several Lectures and Seminar series.

(B) Contribution to Conferences

Papers were contributed to the XIV - ICSMFE in Hamburg, the International Symposium in Naples, Italy and the Dam Safety Conference in India.

(C) Others

Major projects include the Ghazi Barotha Hydro-Power, Chasma Low Head Hydro Electric Project, Hub Thermal Power Project and several Irrigation and Road projects.

(VII) Israel National Society

(A) Conferences, Seminar and Lecture Series

- (1) Professor S. Piekowski, University of Massachusetts lectured on Dynamic Analysis of Pile Driving in August 1995.
- (2) A large representation of the Israel Geotechnical Society took active participation in the Tenth Asian Regional Conference on SMFE, Beijing, China in August 1995. Four technical papers were presented.
- (3) Symposium on Quality in Geotechnical Engineering, November 1995.
- (4) Seminars by Prof. S. Marchetti of Universita L'Aquila - Rome, Italy on Dilatometer Equipment and Test, December 1995.
- (5) Prof. M. Jamiolkowski, President of ISSMFE lectured on "The Stability of the Tower of Pisa", December 1996.
- (6) The third largest delegation after Egypt and South Africa, Eleventh African Regional Conference, December 1995.
- (7) Symposium by Leading Engineers : Each Engineer reported on an interesting Project in which he was involved during his professional career, November 1996.
- (8) Eleventh Israel National Civil Engineering Conference, three sessions on Soil Mechanics and Foundation Engineering, March 1997.

(B) Technical Committee, Standards, Codes

Israeli Standards (SI)

- (1) SI 3 Mineral Aggregate from Natural Resources. This Standard is undergoing a revision. It was originally issued in August 1988 and the amendments have been made in April 1990, July 1992, November 1993, and November 1994.
- (2) SI 362 Hot Asphalt Mixtures: Composition, Production, Transport, Laying and Compaction; Original issue in June 1995 is currently revised.
- (3) SI 413 Design Provisions for Earthquake Resistance of Structures. Issued in June 1995; English Translation of Hebrew version.
- (4) SI 940 Foundations for Buildings; The original version of December 1978 is

in advance stage of revision.

- (5) SI 1454 In-Situ Test of Density and Moisture Content of Soil by Nuclear Gauge; Original issue in April 1991 is under revision.
- (6) SI 1571 Execution of Concrete Block Pavements; to be finalized in 1997.
- (7) SI 1926 Reinforced Earth Retaining Walls; under preparation.
- (8) SI 1865 Part I: Testing Methods for Pavements, Testing of Soils
- (9) SI 1865 Part II: Testing Methods for Pavements, Testing of Aggregates; under preparation.
- (10) SI 1885 Crushed Graded Aggregates for Bases of Highways, Aprons and Airports.
- (11) SI 1926 Retaining Walls, under preparation.

(C) Leading personalities

Professor Joseph G. Zeitlen reached the Octogenarian stage in November 1996. A special dinner party, held at the Technion-Israel Institute of Technology, had a very large attendance. Prof. Zeitlen was a graduate student of Prof. Donald W. Taylor at MIT, and performed many of the Triaxial tests that appeared in Prof. Taylor's book "Fundamentals of Soil Mechanics". He brought modern Soil Mechanics to Israel, establishing the studies and research on the subject at the Technion and likewise performed pioneering research on swelling soils and unsaturated soils, in addition to his teaching and consulting activities. He hosted the First International Seminar on unsaturated soils in the early Sixties. Prof. Zeitlen was a past Vice President for Asia of ISSMFE and is Professor Emeritus of the Technion.

Dr. Gdalyah Wiseman passed away suddenly last December 21, 1996, leaving a family, associates, students and acquaintances with a sense of deep loss. He was Professor Emeritus of the Technion - Israel Institute of Technology engaged in teaching, research and consulting activities. In addition to his many activities, he also served as the Vice President for the Asian region of ISSMFE. He will be missed by all who knew him.

(VIII) Vietnamese Geotechnical Society

(A) Conferences, Seminar and Symposia

- (1) Seminar on New Technology for Construction of High-Rise Building (Soil Investigation, Design and Construction of Foundations and Quality Control), March 1995. More than 200 delegates from home and abroad participated in this event.
- (2) Japan - Vietnam Seminar on Geotechnical Engineering JVGE '96, 28-29 March 1996. More than 200 engineers and researchers attended the Seminar. Fourteen lectures were

given and the Speakers were from Vietnam, Japan, and Sweden. The topics include Site Investigation, Soil Improvement, Piled Foundations, Shallow Foundations, Retaining Walls, Slope Stability, Dams and Gravity Structures.

- (3) Seminar on Design and Construction of High Rise Buildings in Ho Chi Minh City, January 1997. More than 300 engineers and researchers attended the Seminar. The topics are on Construction of Bored Piles, Prediction of Bearing Capacity of Piles, Static Load Tests, Quality Control, Excavations and Experiences from the Design and Construction of Foundations in Ho Chi Minh City.

(B) Short Courses

- (1) Prof. Schofield of Cambridge University, Professor M. Gunn of South Bank University and Dr. Roger Chandler of Sage Engineering Limited delivered lectures on Critical State Soil Mechanics and SAGE CRISP from 20 to 30 January 1997. Seventy participants attended this Course.
- (2) Professor D. G. Fredlund of University of Saskatchewan, Canada delivered several lectures on Geoslope, Unsaturated Soils and Case Records on Failure of Foundations.

(C) Standards, Codes

Design and Construction of Mini Piles	1995
Classification of Soils	1995
Piled Foundations	1996

(D) Books, Journals

The Vietnam Journal was published for the first time in Vietnam. Summary is in English. Papers are both in English and Vietnamese; Publishing Office : 21A Phan Chu Trinh, Hanoi. Editor in Chief : Nguyen Truong Tien.

(IX) Indonesian Society for Geotechnical Engineering (ISGE)

(A) Seminars

- (1) Soil Parameters and Construction Methods, Application and Control, 6 July 1995.
- (2) Basement Constructions, 23-25 October 1995.
- (3) Tunnels and Deep Excavations, 23-24 April 1995.
- (4) Coastal Reclamation, 22-24 July 1996.
- (5) Study on Peaty Soils for Engineering Purposes, 18 September 1996.
- (6) Geotechnical Aspects of Underground Structures, 12 November 1996.
- (7) Foundation Problems, 9-10 December 1996.

(B) Short Courses

Soil Testing and Interpretations of Data for Design Purposes, 6-8 June 1996 and 16-18 January 1996.

(C) Technical Committee

The Indonesian Society has established a Committee in 1996 to prepare and to propose to the Government of Jakarta Metropolitan City, and to evaluate the granting of permits and licenses for Geotechnical Engineering Services and Professionals.

(D) Journal & Geotechnical Information Bulletins

The society has its own journal published three times a year and has quarterly publication of the Information Bulletins.

(E) Manual

The Indonesian National Committee is now working on a Foundation Engineering Manual.

(X) Sri Lankan Geotechnical Society (SLGS)

(A) Seminars

- (1) A one day seminar on "Experiences in Techniques of Foundation Treatment and Ground Improvement" was held on 12 September 1995; about 175 participants attended the seminar.
- (2) A one day Seminar on "Site Investigations" was held on 30 October 1996.
- (3) A one day Seminar on "Earth Retaining Structures" is planned in November 1997.

(B) Specifications

Specifications and Guidelines are prepared for the Institute for Construction Training and Development (ICTAD). They are on:

1. Site Investigations for Building Works, and, Bill of Quantities.
2. Bored and Cast-in-situ Piles.
3. Interpretations of Site Investigation Data for Estimating the Design Load of Bored and Cast-in-situ Piles.

(C) Public Lectures and Site Visits

- (1) Monthly Public Lecture.
- (2) Site Visits at regular intervals.

(XI) Southeast Asian Geotechnical Society (SEAGS)

(A) Conferences and Symposia

- (1) **Bengt B. Broms Symposium in Geotechnical Engineering, 13-15 December 1995**

The symposium was held in Singapore in honor of the retirement of Prof. Broms from the Nanyang Technological University; a total of 22 papers were presented by Professors F. H. Kulhawy, J. M. Duncan, S. Hansbo, A. F. Van Weele, K. S. Wong, W. F. Van Impe, Z. C. Moh, X. Y. Hou, I. H. Wong, R. Massarsch, V. Choa, S. L. Lee, R. D. Holtz, H. Brandl, J. Hartlen, G. Miki, K. Senneset, M. Kamon, D. G. Fredlund, Yudhbir, A. Anagnosto Poulos, M. Fukuoka, B. Mazurkiewicz, N. K. Ovesen, A. T. C. Goh and R. Chowdhury.

- (2) The Third Sino-British Geological Conference, Taipei, 21-29 March 1996.
- (3) The 12th Southeast Asian Geotechnical Conference was held in Kuala Lumpur, Malaysia from 6-10 May 1996. Over 500 participants from more than twenty countries participated. Prof. John B. Burland from the Imperial College of Science, Technology and Medicine was the keynote lecturer. Dr. E. W. Brand delivered the third Chin Fung Kee lecture. Nine other special lectures were given by Prof. H. G. Poulos, Dr. Z. C. Moh, Dr. S. F. Chan, Prof. V. Choa, Mr. Y. C. Chan, Dr. S. M. Woo, Prof. R. Yong and Prof. A. S. Balasubramaniam.
- (4) Rock Engineering Symposium, Taipei, 12-13 December 1996.
- (5) Conference on Recent Advances in Soft Soil Engineering, IEM Sarawak Branch, Malaysia, 5-7 March 1997.
- (6) Ground Improvement Technique, Macao, 6-8 May 1997. A total of 131 papers from 31 countries will be presented.
- (7) International Conference on Foundation Failures, Singapore, 12-13 May 1997.
- (8) Third Asian Young Geotechnical Engineers Conference, Singapore, 14-16 May 1997. A total of 53 papers will be presented with over 100 participants and three Key Note Lectures by Professor T. Kimura, Dr. S. B. Tan and Dr. S. F. Chan.
- (9) The Seventh Conference on Current Researches in Geotechnical Engineering, Taiwan, Chin-Shan, 28-30 August 1997.
- (10) Thirtieth Year Anniversary Symposium of SEAGS at AIT on Deep Foundations, Excavations, Ground Improvement and Tunneling, Bangkok, Thailand, 17-21 November 1997.
- (11) Regional Symposium on Sedimentary Rock Engineering in Taipei, 20-22 November 1998.
- (12) Thirteenth Southeast Asian Geotechnical Conference, Taipei, Taiwan, 16-20 November 1998.

- (13) An International Symposium on Soft Clays is planned in Bangkok in 1999. The names suggested as the "Soft Clay Stars - II" are (not in any order) Prof. Jean-Pierre Magnan (France), Mrs. Ana Gaberc (Slovenia), Don J. De Groot (U.S.A), Paul W. Mayne (U.S.A), Rolf Larsson (Sweden), Prof. R. Massarsch (Sweden), Prof. Broms (Sweden), Prof. Hansbo (Sweden), Prof. Kerry Rowe (Canada), Dr. Julie Sheng (Canada), Prof. Fellenius (Canada), Dr. Vinod Garga (Canada), Prof. Serge Leroueil (Canada), Prof. Alan J. Lutenegeger (U.S.A), Prof. G. Mesri (U.S.A), Suzanne Lacasse (Norway), Prof. Andrew J. Whittle (U.S.A), Prof. H. Ohta (Japan), Prof. Richard J. Finn (U.S.A), Dr. A. Jaime (Mexico), Bob Holtz (U.S.A), S. Shibuya (Japan), Renatto Lancellotta (U.S.A), David Daniel (U.S.A), Craig Benson (U.S.A), Dr. Sam S. C. Liao (U.S.A), Dr. Chang Ming-Fang (Singapore), Joseph P. Welsh (U.S.A), John J. M. Powell (U.K), Prof. M. Jamiolkowski and/or Prof. D. Lo Presti (Italy), Prof. H. G. Poulos (Australia) etc.
- (14) Year 2000-Geotechnics with invited papers. List of authors who have accepted to write articles: Dr. E. W. Brand, Prof. K. Ishihara, Prof. R. J. Mitchell, Dr. E. Togrol, Mr. S. Ohya, Dr. R. Chowdury, Prof. Fred H. Kulhawy, Mr. M. J. Tomlinson, Prof. C. B. Crawford, Prof. R. B. Peck, Prof. J. G. Zeitlen, Prof. S. Leroueil, Prof. G. Meyerhof, Prof. M. Fukuoka, Dr. A. D. M. Penman, Prof. T. Adachi, Prof. T. W. Lambe, Prof. Victor de Mello, Prof. Jean Kerisel, Prof. S. Sakurai, Prof. Pierre Habib, Dr. Za-Chieh Moh, Prof. Ir. W. F. Van Impe, Prof. A. Verruijt, Dr. T. Hosoi, Prof. H. Aboshi, Prof. W. Wittke, Prof. N. Janbu, Dr. F. Lizzi, Prof. H. G. Poulos, Prof. Y. Yoshimi, Prof. G. Gudehus, Prof. S. L. Lee, Dr. S. Shiraishi, Prof. N. Miura, Prof. Yudhbir, Prof. M. Jamiolkowski, Prof. C. Viggiani, Prof. R. Madhav, Prof. B. Ladanyi, Prof. S. Hansbo, Prof. T. Akagi, Mr. P. Londe, Prof. T. Yamanouchi, Prof. A. N. Schofield, Prof. A. Nakase, Dr. W. H. Ting, Prof. H. Brandl, Dr. Victor Milligan, Dr. John A. Focht, Prof. Francois Schlosser, Prof. R. K. Rowe, Prof. A. Kazi, Dr. R. P. Brenner, Prof. P. B. Attewell, Prof. B. Maidl, Prof. T. H. Hanna, Prof. Gerald P. Raymond, Prof. Chandrakant Desai, Dr. Chin Der Ou and Prof. Ronald F. Scott.
- (B) **Short Courses and Workshops**
- (1) Numerical Analysis in Geotechnical Engineering using PLAXIS and CRISP Programs, 12-16 February 1996, Bangkok; Lecturers: Dr. Brinkgreve, Mr. Brand, Dr. M. S. A. Siddique, Dr. K. Jeyatharan and Dr. R. Chandler.
- (2) Problematic Soils and Ground Improvement Techniques, 5-9 May 1996, Bangkok; Lecturers: Prof. L. Anderson, Dr. D. Bruce, Dr. D. T. Bergado, Dr. R. Harianto, Dr. Y. Loke, Prof. R. Massarch, Dr. Chida.
- (3) Estimation of Design Parameters for Soils and Rocks from Laboratory and In-situ Tests, 10-14 June 1996, Bangkok; Lecturers: Prof P. Mayne, Dr. R. Harianto, Prof. S. Sakurai, Prof. T. Adachi, Prof. Don De Groot, Dr. N. Sugawara and Dr. Shima.
- (4) Deformation of Soils and Displacement of Structures, 4-8 November 1996, Bangkok; Lecturers: Dr. S. F. Chan, Dr. R. Mair, Dr. P. J. Moore, Dr. M. Sugimoto, Dr. K. Sekiya, Dr. T. Kawabata, Dr. S. M. Woo, Prof. F. Kulhawy, Dr. R. Hwang, Dr. V. M. Sharma, Dr. S. Buttling and Prof. L. A. Wood.
- (5) Geotechnical Analysis using CRISP Program, 3-6 February 1997, Bangkok; Lecturers: Prof. A. N. Schofield, Prof. M. Gunn, Dr. R. Chandler and Dr. K. Jeyatharan.
- (6) Foundation and Geotechnical Engineering, 5-6 March 1997, University Technology, Malaysia.
- (7) Site Investigation with Geophysical Methods and Modern Testing Techniques, 19-23 May 1997, Bangkok; Lecturers: Dr. D. Bevan, Dr. R. H. Whiteley, Mr. T. Lunne, Prof. G. J. Rix and Prof. K. H. Stokoe.
- (8) Site Investigation Practice, 16-17 June 1997, IEM, Malaysia.
- (9) Geotechnical Hazards and Dam Construction, 28-31 July 1997, Bangkok; Lecturers: Prof. S. Towhata, Prof. S. Yasuda, Dr. J. Okada, Dr. Pedro S. Sêco e Pinto, Dr. R. L. Schuster and Prof. Yudhbir.
- (C) **Seminars and Lectures**
- (1) Theory and Performance of NGL's Ground Penetrating Radar, 18 August 1995, Lecture by Dr. Fan Nian Kon, IEM, Malaysia.
- (2) What is a Successful Urban Transit Project, Chin Fung Kee Memorial Lecture, 7 October 1995, Mr. T. M. Ridlen, President, ICE, London, IEM, Malaysia.
- (3) Ground Improvement Works for New Kuching Deep Water Post, 8 October 1995, Lecture by Dr. Ooi Teik Aun, IEM Sarawak Branch, Malaysia.
- (4) Static Load Test Using the Osterberg Cell Method, Lecture by Prof. Jorg O. Osterberg, IEM, Malaysia.
- (5) Foundation Failures, Chin Fung Kee Memorial Lecture, 7 September 1996, Dr. S. F. Chan, IEM, Malaysia.
- (6) Statnamic Load Test, 17 January 1997, Lecture by Mr. P. Middendorp, IEM, Malaysia.
- (7) Design Principles of Soil Nailed Structures, 28 March 1997, Lecture by Dr. Mohd. Ashi

Othman, IEM, Malaysia.

- (8) Computer Programs for Reinforced Soil Walls, 11 June 1997, Lecture by Prof. P. R. Rankilor, IEM, Malaysia.

(c) AUSTRALASIAN REGION

Introduction

The Australasian Region of the ISSMFE comprises two Member Societies, Australia and New Zealand, but also represents the activities of the Society in the South Pacific. Geotechnical engineering is active in Papua New Guinea, Fiji and New Caledonia, but no local groups devoted to geotechnical engineering, even in its broadest sense, have been established to my knowledge.

Membership

The Australian Geomechanics Society has previously been sponsored by the Institution of Engineers, Australia and only a modest subscription was levied on members. This has changed under new funding rules from the Institution, and substantially revised fees have been necessary for the AGS. Total membership at April 21, 1997 was 881, of whom 490 are members of ISSMFE. However, this figure may be inflated as it includes past members who may be in arrears and will not rejoin.

The New Zealand Geotechnical Society continues to flourish, with current membership of about 400, up from 370 last year. Of these 245 are also members of ISSMFE.

Conferences

The 7th ANZ Conference of Geomechanics was held in Adelaide in July, 1996. It was a highly successful conference, with some 200 delegates. The theme of the conference was "Geomechanics in a Changing World".

The format of the conference comprised a keynote lecture by Prof. M. Jamiolkowski, then plenary sessions in which reviews of papers were presented by Reporters followed by discussion from the floor. A number of invited lectures associated with the Region's awards were also presented. Following the success of the momentous occasion, lectures at the ICSMFE in New Delhi, a similar and very successful session was also held at Adelaide.

The next ANZ conference will be held in Hobart, Tasmania, in February 1999. The timing of this conference has been brought forward to bring the Australasian conferences back in line with the other regional conferences of the ISSMFE, and also to avoid what would otherwise have been a clash with GeoEng2000, to be held in Melbourne in November 2000. A separate report on this conference is presented.

The Third Young Geotechnical Professionals Conference will be held in Melbourne in February, 1998.

Awards

Both the AGS and NZGS have a number of awards, to recognise contributions of individuals or groups to the practice and theory of geomechanics. Recent recipients were:-

1. AGS John Jaeger Memorial Medal:-

Prof. D. H. Stapledon
E. H. Davis Lecture:-
1995 Prof. John Booker
1997 Prof. Mark Randolph
Trollope Medal:-
Dr. D. P. Stewart

2. NZGS Geomechanics Award:-
Dr Graham Ramsey
Geomechanics Lecture:-
Prof. Mick Pender

3. **Joint Societies Award**, given for the best paper submitted to the ANZ Conference, was awarded to Messrs Barthur, Jaksa and Mitchell for their paper on "Design of Residential Footings Built on Expansive Soils using Probabalistic Methods".

Group Activities

Both societies have local learned society groups in all major population centres. These groups hold up to 10 technical meetings per year, usually including at least one symposium.

A number of very relevant publications have been produced, and continue to be so. Examples of those in preparation include "Guidelines for assessment of slope stability", by the NZGS, and the "Engineering Geology of the Brisbane Region", by the Queensland group of the AGS.

Closure

It has been my pleasure and privilege to be the Vice President for Australasia over the past four years. Whilst the region has only two member societies, it has about 4.5% of the total membership of the ISSMFE, and continues to be very active both locally and nationally. Australia and New Zealand are always very well represented at international conferences and symposia, reflecting the high profile and level of interest in geotechnical engineering, in its broadest sense.

I congratulate Prof. Mark Randolph who will take over from me after the Hamburg Conference and wish him well as he represents our region.

MC Ervin
Vice President for Australasia

(d) EUROPEAN MEMBER SOCIETIES AND ACTIVITIES

1. List of ISSMFE

- a) The European members' list is available. In October 1996, 7133 European colleagues, beside of the 9 European Corporate Members, were cooperating within the ISSMFE, grouped in 31 Member Societies.

On a total number of 16647 individual ISSMFE Members this implements Europe to represent 43% of the overall ISSMFE working.

The Corporate Membership (9 in Europe) still can increase over the coming years; a figure of about 20 Corporate Members in Europe should be feasible. Over the past 2 years the number of European ISSMFE members slightly

decreased (the overall ISSMFE members' list also slightly decreased in the same period).

- b) The ESSMFE activities (about 30 major European Soil Mechanics Seminars are yearly organised) are both in quantity and quality levelling high and the increase in the active (Seminars, Workshops, etc) number of European Member Societies is mainly due to many young geotechnical engineers' enthusiasm.

This should stimulate all of us to put even more effort in attracting the younger engineering to our ISSMFE work (for example also during Regional ISSMFE Conferences).

Reviewing some of the important activities over the 1996-1997 period of time in our European Member Society should be stressed that in Europe, we are very much focussing, over the past 2 years, on speciality Seminars related to important topics such as:

- unsaturated soils-stress strain behaviour
- new developments in measuring techniques both in laboratory and in field conditions
- environmental geotechnics' issues
- general soil improvement item

- c) **Major Member Society Events (1996-1997)**

Austria

- 11. Christian Veder Kolloquium, Graz, 11-12 April 1996
- 12. Christian Veder Kolloquium, Graz, 3-4 April 1997
- 1st Austrian Baugrundtagung + Terzaghi Lecture, Wien, 25-28 May 1997

Belgium

- TC-18 ISSMFE Workshop on Piled Rafts, Ghent, 16 April 1997
- International Seminar on Design of Axially Loaded Piles - European Practice, Brussels, 17-18 April 1997

Czech & Slovak Republic

- 2nd International Geotechnical Conference, Bratislava, February 1996

France

- Symposium International : Exemples Majeurs et Récents en Géotechnique de l'Environnement, Paris, 1-2 Février 1996
- Multiple one-day workshops on various topics : soil improvement, offshore techniques, geotechnical risk, codes and standards, numerical models

Germany

- Baugrundtagung, Berlin, 25-27 September 1996
- XIVth International Conference on Soil Mechanics and Foundation

Engineering, Hamburg, 6-12 September 1997

Greece

- International Symposium on Engineering Geology and the Environment, Athene, 23-27 June 1997

Hungary

- Seminar on the Multi-Barrier Systems in Landfill Design, Budapest, 2-3 October 1996

Italy

- IS on Geotechnical Engineering for the Preservation of Monuments and Historic Sites, Naples, 1-2 October 1996

Netherlands

- EuroGeo 1, Geosynthetics Conference, Maastricht, 30 September - 2 October 1996

Norway

- 7th International Symposium on Landslides (ISL'96), Trondheim, 17-21 June 1996

Poland

- XIth National Conference on Soil Mechanics and Foundation Engineering, Gdansk, 25-27 June 1997
- 2nd International Green Symposium on Geotechnics and the Environment, Kraków, 8-11 September 1997

Romania

- VIIIth National Conference for Soil Mechanics and Foundation Engineering, Iasi, 25-28 September 1996

Russia

- 5th International Conference of Problems of the Construction of Pile Foundations and Deeply Placed Foundations, Tyumen, 10-13 September 1996

Slovenia

- 2nd Conference on the Slovenian Geotechnical Society, Rogla, 2-6 October 1996

Spain

- Symposium on Earth Retaining Structures, Santander, 25-27 September 1996
- 11th Young Geotechnical Engineers' Conference, Madrid, 6-11 September 1997

Sweden

- International Symposium on Ground Freezing and Frost Action in Soils, Lulea, 15-17 April 1997

Turkey

- 10th Young Geotechnical Engineers' Conference, Cesme, 20-25 October 1996

U.K

- Rankine Lecture, London, 12 March 1996
- International Symposium - Geotechnical Aspects of Underground Construction in Soft Ground, London, 15-17 April 1996
- International Symposium on the Influence of Professional Practice of Eurocode 7, Geotechnical Design, London, 30 September - 2 October 1996
- Rankine Lecture, London, 19 March 1997
- BGS/CFMS Conference on Ground Improvement by Densification and Reinforcement, London, 3-6 June 1997

- No 3 Piles
Belgium, F. De Cock
- No 5 Laboratory testing
Netherlands, L. De Quelerij
- No 7 Numerical methods in geotechnical engineering
France, Ph. Mestat
- No 9 Tunnelling and underground construction in soils and soft rocks, in urban environment
Germany, W. Wittke
- No 10 Evaluation committee for the application of EC-7
Italy, R. Lancellotta
- No 11 Geotechnical aspects in pavement design and construction
U.K, S. Brown
- No 12 Evaluation committee for the application of EC-8
Turkey, A. Ansal

2. Our European enthusiasm for the YGEC-idea, is probably the most rewarding long-term-management investment we can make within the ISSMFE; the former 1996 YGEC-edition was organised in Turkey in September, discussing on the Ground Improvement topics.

34 Young engineers from 18 different countries took part in this Conference to exchange ideas and knowledge in an informal way, guided by geotechnical experts.

The 1997 YGEC will be organised in Madrid (September 1997) on the topic : Geotechnical Engineers and Computers.

3. The third Environmental Geotechnics' Conference in 1998 will be organised in Lisbon (Portugal). This is one of the most important still coming events within our European Society next to the European Regional Conference (cfr. 6.) and also besides of the 1998 Danube Conference in Croatia.

The topics for this well known Danau Conference can be summarized as follows:

Geotechnical Hazards related to:

- Dams and embankments
- Landslides
- Environmental geotechnics
- Earthquakes
- Foundation design, preservation and restoration
- Subsidence
- Floods
- Erosion
- Transportation

4. European Regional Technical Committees

Eight European Regional Technical Committees have been set up early 1994.

- No 1 Stabilization of Landslides
Spain, E. Alonso

Most of them have organised a meeting during a first meeting in May 1995 in Copenhagen.

It became clear over the past three years that most of our estimated expert-colleagues are involved and absorbed in so many duties that they rarely can devote enough time to such committee work; this is creating important delays in the time schedule planned for the committee reports.

I explicitly want to recommend for the future to seriously reconsider the committee memberships so as:

- a) to recruit more active young geotechnical engineers really involved in the committee topic, all to the benefit and the progress of the committee work.
- b) to reduce drastically the number of members, relieving a lot of organisational burden and so improving the daily workability of the committee.

The summary of activities of ERTC-1, ERTC-3, ERTC-10 and ERTC-11 were reported to me in April of this year.

The committee ERTC-1 organised its work in three subtopics:

- a) Introduction of general related problems
- b) Analysis
- c) Remedial measures

The first version of the report will be prepared by end of June 1997.

ERTC-3 has organised a Seminar (April 1997 in Brussels) and edited a very comprehensive proceedings volume on the topic; the work of ERTC-3 has been very rewarding as far. The terms of

reference have not been fully discussed as far; a continuation, over another 4 years, of the ERTC-3 activities is advisable.

ERTC-5 also prepared a volume for the Hamburg Conference with a lot of valuable recommendations. The work related to the terms of reference has been fully completed.

The ERTC-10 committee joint effort with the Institution of Structural Engineers in London (30/9/1996), to organise a Seminar related to more general topic including the EC-7 applicability discussion. There is no further technical outcome reported. This committee should be reviewed in terms of members appointed and terms of reference.

The ERTC-11, ERTC-12 and ERTC-7 and ERTC-9 committees have not mentioned clearly any technically relevant activity as far. The above stated general introductory comment on the workability of TC's is all the more valid here.

5. Model Library

A list of priority Member Societies was prepared by the Regional Vice-Presidents. For Europe we proposed for 1996-1997: Croatia, Slovenia, Ukraina, Lithuania, Russia, Estonia and Romania.

The recent French version of the Model Library contained specific books and information, assembled by the French Member Society:

Don de la SIMSTF

- *Éléments de mécanique des sols*, F. Schlosser, Presses des Ponts, 1989
- *Fondations et Soutènements (cours ENPC T6-T9)*, Auteurs multiples, Techniques de l'Ingénieur, 1995
- *Introduction à la géotechnique*, R. Holz, W. Kovacs, traduction J. Lafleur, Ed. de l'Ecole Polytechnique, Montréal, 1991
- *Aide-mémoire d'hydraulique souterraine*, M. Cassan, Presses des Ponts, 1994
- *Manuel d'Ingénierie des Fondations*, Société Canadienne de Géotechnique, 1994

Don du Laboratoire Central des Ponts et Chaussées

- *Reconnaissance des tracés de routes*, 1982
- *Les essais de pénétration*, 1989

Don d'Apageo Segelm

- *Manual du Pressiomètre Ménard D-60*, 1996

Don de Solétanche

- *Procédés récents de Fondation*, 1995

One should recommend to discuss, in the future, with the French Member Society of ISSMFE, the strict limitation of the library content (for example with respect to company related editions) donated in the name of ISSMFE.

6. Next European Conference on Soil Mechanics and Foundation Engineering

At the ERC of ISSMFE in Copenhagen (May 1995)

the Dutch Geotechnics Society (NSSMFE) was elected by a large majority on the topic 'Implementation of Geotechnics in the Transportation Infrastructure'.

The Regional CAC started to work in May 1996 and as far has met four times.

The technical program of the Regional Conference has been more or less stipulated fully, and can be summarized as follows:

Timing

- 1 Heritage Lecture (45')
- 3 Special Lectures (45' each)
- 3 Main Sessions (100' each)
- 7 Discussion Sessions (150')
- 2 Workshops (150')

Topics of the Meetings

Main Sessions

- 1st Roads, Highways, Airports - Keynote Lecture
- 2nd High Speed Railways - Keynote Lecture
- 3rd Waterways, Harbours, Offshore Platforms - Keynote Lecture

'Geotechnical problems and developments related to 1, 2, 3'

Discussion Sessions (relevant to the Conference topic)

1st Site Characterization

- 2nd Numerical and Physical Modelling
- 3rd New Developments in Design and Construction of Tunnels of Soils
- 4th Static and Dynamic Soil-Structure Interaction Problems
- 5th Environmental Geotechnology for Transportation Infrastructure
- 6th Foundations and Soil Improvement
- 7th Geotechnics Related to Dredging Problems

Workshops

- 1st Interaction between Eurocodes EC-7 and EC-8 Working Examples
- 2nd Quality Control of Geotechnical Works in EEC
- 3rd Professional Liability and Responsibility of Geotechnical Engineers in EEC

Special Lectures (to be selected among the following topics)

- New Trends in Building on Soft Ground
- Application of Geophysical Methods to Ground Property Characterization
- Design of Piled Rafts
- Recent Developments in Underground Excavation Technology for Soils and Soft Rocks
- Geotechnical Aspects of Dredged Sludge
- Long Term Behaviour of Geotechnical Engineered Constructions.

W. F. VAN IMPE

(e) **REPORT ON NORTH AMERICAN ACTIVITIES
1996-97**

Activities within the Region involving almost 5,000 members have continued to be extensive and varied. News on Geotechnical conferences held within the Region, on special awards and publications and other events in U.S.A and in Canada continue to be reported and described in *Geotechnical News*, published quarterly and distributed to all U.S and Canadian members of ISSMFE by BiTech Publishers Ltd. As this has now been well established as a convenient and practical forum for discussion and information on Regional affairs, discussions continue with ISSMFE colleagues in Mexico to promote regular inclusion of their information in the publication. Regrettably, to date this is not yet arranged.

MEXICO - SOCIEDAD MEXICANA DE MECANICA DE SUELOS, A.C. (SMMS)

The activities of the SMMS are those concerning the promotion and diffusion of knowledge of Soil Mechanics and Geotechnical Engineering. Normally, these activities consist of course, conferences, symposia, task committees and publication of books and the SMMS review.

The X Soil Mechanics Professors' Meeting was celebrated on November 12th, in Morelia. Professors from most Schools of Engineering in Mexico attended this meeting concerning Soil Mechanics teaching.

In the last year the SMMS published 11 books, most of them being proceedings of conferences and the quarterly review entitled 'Suelos'.

The SMMS has 14 Task Committees on different technical topics. The most active of them in the last year were those related to teaching, geotextiles, deep foundations, quality control, tailing dams and publications.

The SMMS has up to now five Regional Delegations, three of them were established in 1996, in Puebla, Yucatan and Chiapas. Some short conferences were held in these Delegations.

Conferences and Workshops

- * The National Conference with the Nabor Carrillo Conference and the Professors' Meeting, is the principal SMMS event, which is held every two years. The XVIII National Conference on Soil Mechanics and Foundation Engineering took place in Morelia, in November 13-15, 1996.
- * On May 8/96, the late Dr. G. A. Leonards gave an interesting conference (one of his last), entitled 'Defects in Soft Clays : A Challenge to Stability Analysis', in the National Autonomous University of Mexico.
- * In November 14/96, in Morelia, Dr. Daniel Resendiz was the invited speaker at the XIII Nabor Carrillo Conference, entitled 'The Methods of Geotechnics, or Observation, Imagination, Experience and Theory'.
- * On July 11/96 a Symposium was held about 'The Responsibility of the Geotechnical Engineer in the Design and construction of Buildings in the Federal District'.

A number of short courses for both students and engineers were held in 1996 in conjunction with the societies. There were:

Jan 29th - Feb 2nd - Guayaquil (Ecuador) - 'Geotechnical Construction Quality Control'

Mar 6th - 10th - Mexico - 'Underground Construction'

Aug 16th - Nov 23rd - Queretaro - 'Geotechnical Quality Control and Design of Specifications'

Nov 18th - Dec 11th - Mexico - 'Geotechnics in the Construction of the Metro'

Dec 9th - 11th - El Salvador (San Salvador) - 'Quality in the Construction of Highways'

A 40 hour course entitled 'Foundations Design and Construction According to the District Regulations', was given in April 1997.

From May to September, the SMMS is celebrating its 40th Anniversary holding 15 conferences on different themes. The invited speakers are the past Presidents and the current President of the Mexican Society. The conferences are being held in Guadalajara, Merida, Mexico City, Morelia, Puebla, Queretaro and Tuxtla Gutierrez.

The SMMS is organizing an International Conference to be celebrated in 1998. The main theme will be dams and collateral construction.

U.S.A - ASCE GEO-INSTITUTE (USNS)

On October 1, 1996 the ASCE Geotechnical Engineering Division because the ASCE Geo-Institute, a semi-autonomous organization that reports directly to the ASCE Board of Direction. The activities and affairs of the Institute will be directed by a seven-member Board of Governors. Membership in the Geo-Institute will be open to all geo-professionals. The new organizational structure should enable the Geo-Institute to be more responsible to the needs of Geotechnical engineers and other professionals in the geo-industry. The Geo-Institute will serve as the U.S member society of the ISSMFE. The Geo-Institute's first speciality conference, GeoLogan, will be held in Logan, Utah in July 1997.

An ad hoc publications committee (Stein Sture, Chair) has reviewed more than 100 abstracts for the XIV ICSMFE in Hamburg. On the basis of reviews of full manuscripts, approximately 45 papers were selected for the Conference Proceedings.

Dr. Robert M. Koerner presented the 1996 Terzaghi Lecture on "Emerging and Future Applications of Geosynthetics" at the ASCE Annual Convention in Washington, DC in November 1996. Dr. Richard D. Woods will present the 1997 Terzaghi Lecture in Minneapolis in November.

Professor John Burland will receive the 2nd H. Bolton Seed Medal and will present the Seed Medal Lecture at the Geo-Logan speciality conference in Logan, Utah in July 1997.

We are saddened to report that three prominent U.S Geotechnical engineers, Gerald A. Leonards, George F. Sowers and William F. Swiger, passed away during the past

year. Although they had formally retired, all three remained very active professionally.

Conferences and Workshops (ASCE, USNS or ISSMFE)

- * Third International Symposium on Environmental Geotechnology, San Diego, CA, June 1996.
- * Uncertainty in the Geologic Environment, Madison, WI, July 31-Aug 3, 1996 (ASCE).
- * Fifth International Conference on Application of Stress-Wave Theory to Piles, Orlando, FL, September 1996.
- * Geosynthetics '97, Long Beach, CA, March 1997.
- * Geo-Logan, Logan, Utah, July 1997 (Geo-Institute).

CANADA - CANADIAN GEOTECHNICAL SOCIETY (CGS)

A total of over 125 lectures, as well as a number of one-day seminars, workshops, and technical site visits have been organized by local societies across Canada in the last two years. Some of the more impressive activities are in the BC Region, where no less than five groups, in Vancouver, Victoria, Nanaimo, Prince George and the Interior (Vernon) are active. The BC Region now has a total membership of over 400; not all of whom being formal members of CGS.

The Vancouver Geotechnical Society has created an Award to be made annually for contributions to the CGS and to the practice of geotechnique. The first recipient was Mr. Charles F. Ripley.

The VGS has also initiated a special commemorative issue of the Canadian Geotechnical News to be published for the 50th anniversary of the CGS in 1997 and containing solicited papers from a wide range of eminent geotechnical engineers. This publication is to be widely distributed, as it covers the most significant geotechnical conference in Canada for some time.

In other regions, a number of activities have been undertaken jointly with other technical societies such as the CSCE and the Tunnelling Association of Canada. The Technical Divisions of CGS have plans for conferences or speciality sessions at conference in future. Members in the Rock Mechanics Division, The Geosynthetics Division and the Soil Mechanics and Foundation Engineer Division have enjoyed an active year with key participation of its members in several major events.

The Vancouver Organizing Committee is organizing the 8th Congress of the International Association of Engineering Geology, to be held in September 1998.

Conferences and Workshops

International conferences, often in collaboration with other learned societies include:

1996

- * Geofilters '96, Montreal, ISSMFE, ICOLD, IGS,IFAI, CGS, Jean Lafleur, Jerry Raymond.
- * The 2nd North American Rock Mechanics Symposium (NARMS '96), Montreal, June 19-21,

Michel Aubertin
* 49th CGS Conference, St. Johns, Newfoundland, Chairman, Jack Clark

1997

- * 50th CGS Conference, Ottawa, Chairman Gordon McRostie.
- * First International Conference on Site Characterization (ISC '98). ISSMFE TC-16, CGS-ASCE, July 16-19, Utah, Chairman P. Robertson.

1998

- * 8th Int. Congress of IAEG, CGS, September 21-25, Vancouver, Wayne Savigny
- * International Permafrost Conference, CGS, Yellowknife, David Segó.
- * Computer Applications in the Mineral Industry, CAMI '98, Saskatoon, October 19-21, 1998, Chairman Doug Stead.

(f) REPORT ON ACTIVITIES IN THE SOUTH AND CENTRAL AMERICAN REGION JULY 1995 - AUGUST 1997

by Luis Valenzuela
Vice-President for South America

1. General Regional News

The South and Central American region includes 10 countries registered as national groups of the ISSMFE, with a total of 581 members (up to 31 of July 1996).

It should be pointed out that the majority of the national groups encompass also the activities of the ISRM (with the exception of Bolivia) and sometimes also of the IAEG. Some of the national groups have adopted the generic name of Geotechnical Society (Chile, Colombia, Costa Rica, Paraguay and Venezuela). The Brazilian group recently adopted the new name of "Brazilian Society for Soil Mechanics and Geotechnical Engineering", following the proposed new name for ISSMFE to be voted in Hamburg.

Although Brazil continues to be, by far, the most active national group in the region (40% of the membership of the region), it should be noted the important activities carried out by other national groups such as Ecuador, as well as the enthusiastic participation of Costa Rica in Central America, acting as a coordinator of other Central American groups not members of ISSMFE.

Special efforts have been made by the national group of Venezuela, that organized a regional course on landslides in October 1995 and that now is organizing the 3rd Latin American Conference for Young Geotechnical Engineers.

Paraguay has also been active preparing for July 1997 its national conference and a regional coordination meeting for the next Panamerican Conference. Bolivia is gradually becoming more active and at least three groups (La Paz, Cochabamba and Santa Cruz) are actively present.

The efforts done by this Vice-President and the President of ISSMFE in Uruguay have not given

positive results up to now, and no national group has yet been formed.

2. Regional Meetings with the Vice-President

This Vice-President has tried to meet with most of the presidents or representatives of the national groups since he was elected.

The Vice-President met most of the representatives of the national groups of South and Central America on occasion of the X Panamerican Conference that was held in Guadalajara, Mexico in October 1995.

Unfortunately, at the ISSMFE Council Meeting held in El Cairo, Egypt on December 10, 1995, only the representatives of Brazil were present.

The following meeting of the Vice-President with the representatives of the national groups of South and Central America was in October 1996, in Rio de Janeiro, after an invitation of Dr. Francis Bogossian, President of the Organizing Committee of the XI Panamerican Conference (XI PCSMF) to be held in Foz de Iguazu in August 1999. The President and the General Secretary of ISSMFE also attended this meeting.

This Vice-President has visited the national groups of Argentina, Bolivia, Brazil, Chile and Peru, and is planning to attend a South American meeting next July in Paraguay.

3. Regional Technical Committees

The common technical activities in the region are organized through the Regional Technical Committees.

After the Second South American Symposium on Landslides (also designated as Pan-American Symposium on Landslides) that was held successfully in Guayaquil, in August 1994, two other activities have been programed: Following an idea discussed during the Symposium, the Venezuelan Geotechnical Society organized a very successful South American Course on Landslides in October 1995; Brazil was host to the 2nd Pan-American Landslides Symposium (3rd South American) in Rio de Janeiro in November, 1998.

In a meeting held in Santiago, in May 1994, it was decided to participate in the South American Committee on Weak Rocks, a committee already supported by ISRM and IAEG. Argentina, Brazil and Paraguay are active members of this regional committee, but now Bolivia is also participating.

Dr. Lorenz Dobereiner, then President of Technical Committee No. 22 of ISSMFE also attended this meeting as well as a second meeting that was held in November 1994 in Foz de Iguazu, Brazil, on occasion of the Brazilian Conference on Soil Mechanics and Foundation Engineering. The geotechnical community of the region was profoundly saddened by his sudden death. Dr. Dobereiner was an enthusiastic supporter of this committee.

4. X Pan-American Conference, Guadalajara, Mexico 1995

This Conference is the most important event in the region. The Pan-American Conference was held in Guadalajara, Mexico, from October 29 to November 3, 1995.

Professor Norbert Morgenstern of Canada delivered the Third Casagrande Lecture on "Managing Risk in Geotechnical Engineering".

During this Conference a meeting of the South American groups was held on Monday 29 and a Pan-American Committee meeting on Tuesday 30, October.

5. XI Pan-American Conference, Fóz do Iguacu of Paraná, Brazil, 1999

The Conference will take place from August 8 to 12, 1999 in Fóz do Iguacu, Brazil, close to the common border with Argentina and Paraguay.

The Conference will be organized by ABMS (Associação Brasileira de Mecânica de Solos e Engenharia Geotécnica), with the participation of the National Societies of Argentina and Paraguay.

Considering the expected change in the name of the ISSMFE to "International Society for Soil Mechanics and Geotechnical Engineering", probably to occur in the next ISSMFE Council Meeting in Hamburg, the Organizing Committee proposed an equivalent change in the name of the XI Pan-American Conference. This name will be proposed by the Conference Organizing Committee and submitted to the Conference Advising Committee for approval.

A first regional coordination meeting of this conference with representatives of almost all the countries was held in Rio de Janeiro. In this opportunity, the Conference Adviser Conference (CAC) met for the first time. The members of CAC are Dr. R. Parry, Vice Presidents V. Milligan (represented in this opportunity by Dr. V. Garga) and L. Valenzuela, Prof. F. Bogossian (President of the Organizing Committee) and Dr. S. Niyama (Secretary of the Organizing Committee). Prof. Jamiolkovski, President of ISSMFE also attended this meeting.

Recently the national group of Paraguay has invited to a second coordination meeting, in July 1997, of the national groups of the region as part of the activities of the Organizing Committee of the XI PCSMF.

6. 1996 ISSMFE Board Meeting in Chile

The 1996 ISSMFE Board Meeting was held in Santiago, Chile, October 14 and 15, following an invitation of the Chilean Geotechnical Society. This was the second time that an ISSMFE Board Meeting is held in South America. The Board Meeting was held just before the International Symposium on Seismic and Environmental Aspects of Dam Designs - Earth, Concrete and Tailings Dams, that was held in Santiago, October 15-18, 1996.

7. ISSMFE Model Library (English)

At the present time, five sets of books have been sent out, one to each of the following recipients:

- * Facultad de Ingeniería Civil y Facultad de Ciencias Geológicas, Universidad Mayor de San Andrés - Bolivia
- * Universidad de Guayaquil - Ecuador
- * CISMID, Facultad de Ingeniería Civil, Universidad Nacional de Ingeniería - Peru
- * Facultad de Ciencias y Tecnología, Universidad Católica "Nuestra Señora de la Asunción" - Paraguay
- * Laboratorio Nacional de Materiales y Modelos Estructurales, Universidad de Costa Rica - Costa Rica.

The Vice-President attended a ceremony at La Paz, Bolivia, in November 1996, where the National Group of Bolivia presented the ISSMFE Model Library to the authorities of the Universidad Mayor de San Andrés.

8. ISSMFE Model Library (French)

A set of the Francophone Model Library of ISSMFE has been donated by the Comité Français to Facultad de Ingeniería of the Universidad Autónoma Tomás Frías in Potosí, Bolivia.

9. Activities by the National Groups

Argentina

The "Argentinean Society for Soil Mechanics" (SAMS) has been publishing Bulletins with information and technical articles every three months. This bulletin is distributed to all associates, Argentinean universities, other groups national and ISSMFE authorities.

This society organized their national conference in Córdoba, in August 1996. The SAMS aim is to give more continuity to these conferences, probably having them in a yearly basis.

The SAMS is a coorganizer of the XI PCSMFE, to be held in Foz do Iguazú in 1997, having participated actively in the first CAC meeting held in the city of Rio de Janeiro in October of 1996.

Bolivia

The Bolivian Association of Geotechnical Engineering (ABIG), participated in the "International Symposium on Seismic and Environmental Aspects of Dams Design: Earth, Concrete and Tailings Dams", held in Santiago de Chile, October, 1996; and specially in the Coordination Meeting for the "XI Pan-American Conference on Soil Mechanics and Foundation Engineering", meeting that was held in Rio de Janeiro, October, 1996.

In a special event attended by L. Valenzuela, Vice-President of the ISSMFE for South America, ABIG presented the donation made by ISSMFE, of the Model Library to the Faculties of Civil and Geological Engineer of the Universidad Mayor de San Andrés in

the city of La Paz.

ABIG is at present working on the agreements with Universidad Mayor de San Andrés and la Paz City Council for projects on weak rocks and geotechnical research. ABIG is also preparing a local seminar on the properties of Miraflores gravel.

Brazil

The ABMS, the national group of Brazil, dedicated significant effort to the improvement of their organization. ABMS is organized in regional groups: Sao Paulo (the largest), Rio de Janeiro, Brasilia, Rio Grande do Sul and Bahia.

It should be noted that, although, ABMS has almost 1000 members, only 228 are emembers of ISSMFE. The Board of ABMS has promised to make special efforts in order to at least double this number in a couple of years.

A new name was proposed and approved for the national group of Brazil: "Associação Brasileira de Mecânica de Solos e Engenharia Geotécnica", maintaining its abbreviation ABMS. The new name will become official after the meeting in Hamburg this year.

The ABMS is, by far, the most active national group in South America, continuing with the publication of its national bulletin every two months and the journal "Solos e Rochas", which is already a well-known international journal.

A project is still on its way in order to adopt this journal, or an equivalent journal, edited by ABMS as a Latin American journal with articles in English, Portuguese and Spanish. ABMS has been very successful in attracting international events. At present, ABMS is organizing the following: "II Pan-American Symposium of Landslides", which will be held in Rio de Janeiro, November 10 to 14 of 1997; the 1998 International Conference of ITA "Tunnelling and Metropolises"; the XI Pan-American PCSMFE" in Foz de Iguacu in 1999 (in collaboration with Argentina and Paraguay) and the "VI International Conference on Use of Wave Stress Equations in Pile Design", event which will be held in Sao Paulo in year 2000.

ABMS co-organized the First Brazilian-Portugal Meeting in Environmental Geotechnics (I Jornada Luso Brasileira de Geotecnia Ambiental) that was held in 1995.

Chile

The Chilean Geotechnical Society (SOCHIGE), continues to participate in several technical committees of the ISSMFE, ISRM and IAEG. At present Chile is hosting TC No. 7.

Actually, TC No. 7 organized, together with SOCHIGE and ICOLD-Chile, the successful "International Symposium on Seismic and Environmental Aspects of Dam Design-Earth, Concrete and Tailing Dams", that was held in

Santiago, October 15-18, 1996. More than 300 delegates from all over the world attended this meeting.

SOCHIGE also provided the facilities and extra programatic activities for the 1996 ISSMFE Board Meeting that was held in Santiago just before the Symposium.

SOCHIGE is, at present, organizing the IV Chilean Conference on Geotechnical Engineering to be held at Universidad Santa Maria, Valparaiso, October 21-24, 1997.

Colombia

The "Colombian Geotechnical Society" (SCG) is publishing again its semestral bulletin "Boletin Colombiano de Geotécnica", that had ceased to be published three years ago.

Last year SCG organized the VI Colombian Geotechnical Conference, that was held in October 1996, in the city of Bucaramanga. Its central theme being Soils Erosion. Over 250 delegates attended this conference. SCG is now organizing its next (VII) national Conference to be held in July-August 1998.

SCG collaborated with INGEOMINAS in the conference held on July 31 to August 3, 1996, in the city of Villa de Leyva. Different methodologies of Geotechnical Zonification were discussed and analyzed.

Together with the Colombian Association of Engineers (SCI), the Colombian group has been working on the issue of new Excavation Standards, and the organization of joint seminars on several geotechnical engineering subjects.

Since SCG is hosting the General Secretariat of the South American Committee on Landslides, SCG has been collaborating with the Organizing Committee of the Second Pan-American Symposium on Landslides to be held in Rio de Janeiro, November 1997.

Costa Rica

The Geotechnical Society of Costa Rica (Asociación Costarricense de Geotecnia) organized several activities during 1996, and early 1997.

These activities include several lectures and courses on geotechnical subjects, some of them in collaboration with the Civil Engineering Faculty of Universidad de Costa Rica.

ACG participated in the II Pan-American Congress of Environmental Engineering, that was held during the XXIV Pan-American convention of UDAPI 96.

The Geotechnical Society of Costa Rica presented the Model Library donated by ISSMFE in October 14, 1996, to the National Laboratory of Materials and Structural Models of Universidad de Costa Rica (LANAMME). During the same event, two lectures on Soil Mechanics were given by ACG members.

A Seminar on Chemical Stabilization of Soils was

held in March of 1997 and the society has continued working on the Code of Building Foundations.

At the present time, the Society is organizing the VII National Geotechnical Seminar and the 2nd Meeting of Geotechnical Engineers of Central America, scheduled for November 1997.

Ecuador

The Ecuadorian Society for Soil and Rock Mechanics (SEMSIR) has now reactivated its participation within the International Society of Rocks Mechanics, as it was done with ISSMFE in 1993.

Some activities organized by SEMSIR were a conference on Tunnels in Soil for the Metro of Guayaquil, 1995 and the edition of Volume II of the I Pan-American Symposium on Landslides. SEMSIR is, at present, organizing the III Ecuadorian Conference on Soil Mechanics and II International Conference on Tropic-Andean Soils, to be held in Quito, November 17 to 21, 1997.

SEMSIR presented the Model Library, donated by ISSMFE in February in 1997, to the University of Guayaquil.

Paraguay

The Paraguayan Geotechnical Society is organizing several activities that will take place from 14 to 17 of July, 1997, in the city of Asunción:

- I Congress of Paraguayan Geotechnical Engineers (I COPAINGE)
- IV Jornadas Geotécnicas Estructurales
- I Meeting of Geotechnical Engineer of Mercosur.

During these activities, the second preparatory meeting of the XI PCMSFE will be held. Paraguay is a co-organizer of this conference together with Argentina and Brazil.

Peru

The COPEMSFMR (Peruvian Committee of Soil Mechanics, Foundations and Rock Mechanics) organized several activities during 1996 and early 1997, including several lectures and seminars on foundations, underpinning, earth dams, earthquake geotechnical engineering, pavements, geosynthetics and mineral analysis.

COPEMSFMR also organized a course on finite elements applied to geotechnical engineering. In October 1996, COPEMSFMR presented to CISMID-UNI the Model Library donated by ISSMFE.

Venezuela

The SVG, Venezuelan Geotechnical Society, organized the I South-American Course on Landslides in the city of Barquisimeto, October 9-15 of 1995.

Organisation

The Conference Advisory Committee will be formed by the

incoming President and according to By-laws will be responsible for advising on the conference programme, and the detailed organisation of the conference will be the responsibility of the Turkish Member Society. Officially, both of those committees will start functioning after the XIV. Conference closes. Therefore, some of the following points are subject to the approval of the Advisory Committee.

Participants and Registration

The conference is arranged primarily for the benefit of the members of the International Society. However, persons who are not members may attend by paying a special registration fee. A reduced fee will be applied to a total of 200 young engineers who will be appointed by their Member Societies.

Official Languages

The official languages of the conference will be English and French. Simultaneous translation will be provided at the sessions.

Programme

The programme of the conference will include plenary sessions, discussion sessions, workshops, theme lectures as in the previous conferences. Major state-of-the-art reviews from senior experts of the profession and prestige lectures will be continued. The Terzaghi Oration will have a special place in the programme. The Board and Council meetings will be arranged on two consecutive days before the conference.

Speciality sessions (in the form of discussion sessions and workshops) will be organised at the conference in a selected number of areas. Furthermore, it is considered to hold 1 or 2 day sub-conferences on more-focused manner before the main conference starts.

Proceedings

Perhaps the time is ripe for the Society to consider changing the format of the proceedings of international conferences.

One proposal is to have one printed volume with one page abstracts of all papers and a CD-ROM disc with full papers, to be provided before the conference. The CD-ROM would have software to search on keywords, on all the words in the paper titles, on the authors, and on institutions where the authors work, etc. The second volume could be provided after the conference. This volume would include the invited papers, keynote papers, discussions, state-of-the-art reports, minutes of the Council meetings.

During the meeting of the South American Committee held in Guadalajara, Mexico, Venezuela was designated to host the III Latin American Conference of Young Geotechnical Engineers. The conference has been scheduled for November 1997.

The course on Design and Construction of Anchorages, by Prof. Andres Pesti, was held in Caracas in March, 1996.

SVG has continue publishing its bulletin (recently numbers 69 and 70 have been distributed).

The XIV Venezuelan Geotechnic Seminar was held in Caracas in September, 1996. Its theme was

Geotechnical Case Histories in Venezuela.

At present SVG is organizing the XV National Geotechnical Seminar to be held in October 1998.

APPENDIX 5 - XV ICSMFE

Report by Professor E Togrol

REPORT ON ARRANGEMENTS FOR THE XV INTERNATIONAL CONFERENCE ON SOIL MECHANICS AND FOUNDATION ENGINEERING 2001

Place and Date of the Conference

The XV International Conference on Soil Mechanics and Foundation Engineering will be held in Istanbul in August 2001.

The sessions will be held at the Istanbul International Conference and Exhibition Centre, beginning on Monday, 27 August and concluding Friday 31 August. Post-conference tours will be arranged to various places in Turkey and in the region.

Object of the Conference

The object of the Fifteenth International Conference is to provide an opportunity for engineers and scientists working in the field of soil mechanics and geotechnical engineering to meet and present new ideas, achievements and experiences.

Professional Conference Organiser

IKON Tourism and Trade Inc has been nominated as the Professional Conference Organiser of the conference. IKON is well acquainted with the local scene in Istanbul and is extremely experienced in international conference organisation and has successfully organised HABITAT II United Nations Conference on Human Settlements, recently.

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APPENDIX 6 - GEOENG 2000

GeoEng 2000

Report by Mr M Ervin

1. Introduction

At the Cairo Council meeting in December, 1995, President Jamiolkowski proposed a conference to be held in the year 2000, to bring together the ISSMFE, ISRM and IAEG, to reflect on the synergies which exist between the three sister societies as we approach the third millennium. The concept had the support of the Presidents of the ISRM and IAEG.

Invitations were sought from several Member Societies to host this conference. The three Presidents then agreed to invite Melbourne, Australia to host the event. It is my privilege, and rather daunting task, to be the Chairman of the Organising Committee of GeoEng 2000, "An International Conference on Geotechnical and Geological Engineering".

2. Date and Venue

The conference will be held at the Melbourne International Congress Centre, from November 19 to 24, 2000. This time was selected to be several weeks after the Sydney 2000 Olympic Games, to avoid difficulties with airline bookings and inflated accommodation prices. The Olympics finish on October 1, 2000.

3. Co-Sponsors

As indicated, the main sponsors are the three Sister Societies, ISSMFE, ISRM and IAEG. Each of these Societies has provided seed money. In addition, we have welcomed the co-sponsorship of the International Geosynthetics Society, the International Tunnelling Association and the International Association of Hydrogeologists, all of whom have enthusiastically embraced the concept of the conference.

4. Technical Programme

Five main themes have been developed, with the intention that they be considered in separate mini-conferences or symposia, within the overall conference format. The themes have been chosen because they reflect the activities of members of all three Sister Societies. These themes are:-

- * Geotechnical Earthquake Engineering
- * Underground Works
- * Environmental Geotechnics
- * Stability of Natural and Excavated Slopes
- * Ground Improvement and Ground Support

It is proposed that for each of these themes there will be two keynote lectures, three issues lectures and several discussion sessions workshops or paper presentation sessions. Parallel sessions are proposed for the mini-conferences. However, the tentative programme ensures that delegates with a specific interest in one of the themes can attend all relevant sessions.

A number of more general plenary sessions are proposed, in which invited lectures will be presented. In addition to the main keynote lecture, to be given by Past President Morgenstern, our co-sponsors will be invited to present a lecture. We have also selected several other topics of general interest such as geophysics and computing, on which invited lectures also will be presented.

To encourage papers to be submitted, we propose some formal paper presentation sessions, and an award for the three best papers submitted. All papers will have an opportunity to be presented in poster form, either as invited posters to be shown during a late afternoon "happy hour", or in general poster

sessions throughout the day.

The tentative programme for technical activities is attached.

5. Social Programme

We recognise this conference has the potential to be a landmark conference, bringing together three Sister Societies plus some affiliated International Societies. We have a firmly stated intention of making the conference a memorable one from social perspective, as well as technically. We sincerely hope it will be accepted as a conference not to be missed.

It would be remiss of me to reveal our plans at this time, but be assured Melbourne is a delightful city with lots of parks, restaurants, theatres and beaches. The conference venue is located on the Yarra River, immediately adjacent to the City centre. Not only will the formal social functions be remembered, but we hope delegates will also find time to explore our city and its numerous attractions.

Accompanying delegates will be provided with a range of activities and scenic tours.

6. Technical Tours

Technical tours will be run on three afternoons with the technical programme arranged so that devotees to a particular theme will be able to participate without having to miss any technical sessions.

7. GeoFair 2000

An exhibition is proposed in association with GeoEng 2000. A number of themes are again proposed, both with the aim of encouraging sponsorship, but also to ensure the exhibition is of genuine interest. For example, we plan to have an area devoted to software in geotechnical and geological engineering. The mining companies will doubtless wish to show their fare. Similarly, we hope to attract the purveyors of geophysical equipment and testing methods; and of course geosynthetics.

GeoFair 2000 will be held in the same centre as the conference, allowing ready interaction by delegates and exhibitors.

8. Costs

Based on 1997 costs, we consider that a registration fee of USD 660, covering conference attendance, social functions and a gala dinner is achievable. We propose to provide all papers in CD Rom form, but with the invited lectures also in hard copy. However, group registrations where only one hard copy set of invited papers is provided is being considered to reduce registration fees.

We will ensure low cost accommodation, such as at University Halls of Residence is available, together with a free public transport pass for those who may wish to make other arrangements.

Air travel to Australia is not expensive, as is often

thought, when compared, for example, to travel within Europe. On current prices, return airfares from Europe to Melbourne as low as USD 1500 are available. We will appoint a conference airline who will assist in providing discounted airfares.

Nowadays Lisboa has about 2 millions inhabitants and shows relevant contrasts from wide avenues to winding narrow and picturesque streets and paths, and from monuments and museums to modern multistorey buildings and shopping centres.

Nightlife in Lisboa is well known by locals and visitors, specially in the typical old districts of Alfama, Madragoa and Bairro Alto where in many "Casas de Fado", apart from a rich gastronomy, the typical national song, the Fado, and regional dances can be enjoyed.

In Lisboa will take place the EXPO 98 (last World Exhibition of this century) with further cultural events which will be available to the Congress participants and companions.

We will be happy to welcome you in Lisboa.

Date and Venue

The Third International Congress on Environment Geotechnics will be held from 7 to 11 September 1998 at Laboratório Nacional de Engenharia Civil (LNEC), Av. Brasil, 101, 1799, Lisboa Codex, Portugal.

Topics

The technical sessions of the Congress, mainly involving the ISSMFE TC-5 work, will cover the following topics:

WASTE CHARACTERIZATION

Site investigation, laboratory investigation, engineering properties of wastes

TAILINGS DAMS

Tailing properties, tailing deposition methods, tailings dams construction, abandonment

SOLID WASTE LANDFILLS

Waste containment components
Bottom liner and cover liner
Leachate control systems (barriers, drainage)
Waste material reuse (recycling tyres and plastic waste)
Power station ashe (mechanical and chemical properties)
Quality assurance

TREATMENT OF TUNNELLING AND OTHER DRILLING PROCESS WASTE

Parkland
Slurries

REMEDIATION MEASURES

EVALUATION OF ENVIROMENTAL RISKS RELATED WITH CONTAIMINATED LANDFILLS

DREDGING SLURRIES

HAZARDOUS INDUSTRIAL WASTES (STORAGE) MONITORING SYSTEMS

LAND MARINE RECLAMATION AND ENVIRONMENTAL PROBLEMS

CODES and LEGISLATION

CASE HISTORIES

9. Closure

GeoEng 2000 is an exciting idea. It is, however, a one-off conference being held at a time when funding for conference attendance is harder to obtain, and there is an increasing number of specialist conferences and symposia competing for delgates. We recognised this when we agreed to host GeoEng2000, and go forward with enthusiasm and confidence because we believe we have the framework of a truely stimulating, exciting and above all memorable conference:- a conference which will allow the new to meet the old, for the current and past contributors to our present state of the art to meet and reflect on where we have come in the past 60 or so years, and for us all to consider where we need to go as we approach the next century. It will be a conference concentrating on the state of practice, as well as the art, with the intention that the proceedings will be a treasured reference.

I commend GeoEng2000 to you, and seek you support and encouragement.

M C ERVIN

APPENDIX 7 - 3RD ICEG

Preliminary Report

THIRD INTERNATIONAL CONGRESS ON ENVIRONMENTAL GEOTECHNICS

**September 1998
Lisboa, Portugal**

Invitation to Lisboa

The Sociedade Portuguesa de Geotecnia, SPG, takes great pleasure in extending an invitation to attend the **THIRD INTERNATIONAL CONGRESS ON ENVIRONMENTAL GEOTECHNICS** which will take place in Lisboa in September 7-11, 1998.

Technical visits and post Congress tours will give the participants the chance to see more of Portugal and of its engineering activities.

Lisboa, the capital of Portugal, is a very attractive setting spread over seven hills, boarding the Tagus river and facing the Atlantic Ocean.

Historians attribute to the Phoenicians the foundation of Lisboa around 1200 BC. Since then Lisboa was successively occupied by Celts, Romans, Visigoths and Moors, the latter having remained in the country for four centuries until 1147, when the first king of Portugal, D. Afonso Henriques, conquered the city. Lisboa became the capital of Portugal in 1255.

In 1755 Lisboa was severely damaged by a strong earthquake but it was rebuilt soon after under the leadership of the Marquês de Pombal.

Scientific Program

The Congress will include: Theme Lectures addressed by world authorities in Environmental Geotechnics; (ii) Special Lectures prepared by well known specialists in each specific field; (iii) Presentations by Discussion Leaders and Panelists; and (iv) Poster Sessions.

During the Technical Sessions and Poster Sessions discussions will be encouraged.

Divuligation

The Third International Congress on Environmental Geotechnics was divulged in the Diary of Events of ISSMFE News, in IAEG News, ISRM News Journal and ITA Tribune.

Letters with Bulletin No. 1 (more than 200 letters) were sent to all Secretariats of National Groups of ISSMFE, IAEG, ISRM and ITA, requesting to share this information with their national members who may like to contribute.

Also more than 100 letters with Bulletin No. 1 were sent to individuals requesting them to circulate the information.

In Osaka during the Closing Ceremony of the Second International Congress on Environmental Geotechnics an invitation address to 3ICEG was presented. Also in Osaka, Bulletin No. 1 and Poster of 3ICEG were distributed.

More than 4000 Bulletins No. 1 were already distributed.

Meetings

The Portuguese Society for Geotechnique has invited Prof Van Impe for a meeting in Lisboa.

This meeting took place in Laboratorio Nacional de Engenharia Civil de Lisboa on April 2, 1996. Several topics were discussed and particularly the issues related with the themes and time schedule.

Also meetings took place, in Chile, during the International Symposium on Seismic and Environmental Aspects of Dams Design Earth, Concrete and Tailings Dams, in October 14-16, 1996 and in Osaka, during the 2ICEG, in November 1996, with the presence of Prof. Jamiolkowski, Prof Van Impe and CAC members for discussions of scientific/technical subjects of EICEG.

The first official CAC meeting took place in Lisboa on December 7th 1996, with the presence of Prof. Jamiolkowski, Prof Van Impe, Dr. Parry and CAC members.

The second CAC meeting will take place in Hamburg, on September 1997, during the 14th ICSSMFE.

On-going meetings of the Organizing Committee are taken place to discuss the selection and invitations for Theme Lectures, Special Lectures, Chairmen, Discussions Leaders and Panelists.

Call for Abstracts

Until the end of April 1997, the number of abstracts received by the Organizing Committee reached 54, from 23 countries, as shown in Table 1. The deadline for the abstracts is 31 May 1997.

Official Languages

The official languages of the Congress are English and French. Simultaneously translation will be provided during the Sessions. Papers and abstracts may be written in either languages.

Congress Proceedings

Three or four hard-bound volumes of proceedings which contain all the papers, the theme lectures and the special lectures will be published by A. A. Balkema.

Bulletin No. 2

Bulletin No. 2 will be mailed by November 1997 and will contain:

- final Congress themes;
- scientific and technical programme;
- accompanying persons programme;
- instructions for geotechnical engineering exhibition;
- general information of registrations fees, hotel accommodation, social and cultural activities, and other information of general interest.

Additional Information

Congress news is posted on our WWW address:

<http://lneec.pt/3RDICEG>

Telephone: (351) (1) 8482131
Telex: 16760 LNEC P
Fax: (351) (1) 8478187
Email: 3ICEG@lneec.pt

PROF. PEDRO S. SÊCO E PINTO
Secretary General for 3rd ICEG
Lisboa, 15 May 1997

Table 1 - Number of Submitted Abstracts

Country	Number	Country	Number
Argentina	1	Japan	4
Austria	1	Mexico	1
Belgium	1	Netherland	1
Botswana	1	Portugal	11
Brazil	6	Russia	6
Canada	3	Spain	1
France	1	South Africa	1
Germany	1	Syria	3
Hungary	1	Turkey	1
India	1	UK	4
Kyrghyz Republic	1	USA	1
Italy	2		

Proposal to hold an International Young Geotechnical Engineers Conference in the Year 2000

The British Geotechnical Society is proposing to hold a fully international conference for young geotechnical engineers to mark the Millennium. This is tentatively scheduled for three days, 11-13 September 2000 and will follow the pattern of young engineers events pioneered in the UK by John Atkinson in the 1970s (and still running nationally as the biennial BGS Young Geotechnical Engineers Symposia) and later taken up by several regions of the ISSMFE in the form of the Young Geotechnical Engineers Conferences held in recent years.

We are proposing a fully international event with a format in which National Societies in the ISSMFE community will each be invited to sponsor the attendance of 2 delegates, under the age of 35. The expectation is that every delegate will be requested to contribute a short paper, related to his/her own experience and area of interest. At this stage it is not intended to set a particular theme for the delegate papers which might arise from some form of competitive selection process by sponsoring Societies. We envisage that at least one paper from each National Society will be presented orally - possibly every paper, depending on overall numbers; the aim is to maximise delegate involvement. These presentations will be organised in parallel sessions arranged by subject themes and the conference will be completed by a whole day field visit and by plenary sessions at which invited senior speakers from the international community will lecture to a theme relating the history of geotechnical engineering to the prospects of developments in the foreseeable future. The collected papers will be published. The venue chosen, Southampton, is in an attractive coastal location readily accessible from London and close to the well known coastal landslip areas of the Isle of Wight, to which a full day field trip with expert guides is planned as an integral part of the conference.

We will expect the costs of attendance to be met by the National Societies, or their sponsored delegates, but will endeavour to keep the conference costs to a minimum. We will also be seeking travel bursaries to assist attendance.

Planning is of course in the early stages, but the venue and accommodation are booked provisionally. We wish at this stage to bring these plans to the attention of ISSMFE and its Council and to seek the support of the Society.

APPENDIX 9

Manual for Preparation of Technical Papers for Conferences under the Auspices of ISSMFE

Proposal by the Israel Geotechnical Society Presented by Mr C Redel

Introduction

Every year several conferences are held under the auspices of ISSMFE and their number are constantly increasing. For these conferences, bulletins are sent to the Member Societies with the call for technical papers.

Material Issued

For the preparation of technical papers the required material is issued. For the XIVth International Conference on Soil Mechanics & Foundation Engineering the following was issued:

- Instruction for preparation of abstracts
- Example of filled out abstract form
- Abstract forms
- Typing instruction for preparing camera-ready papers for ISSMFE conferences
- Specimen paper
- Type area
- Forms for technical paper

Many differences can be found between the above mentioned material and the material supplied for other conferences, which are organized under the auspices of ISSMFE, say the Tenth Asian Regional Conference on SMFE that took place August 29 to September 2, 1995, in Beijing, China.

The difference of type size, indenting, primary and secondary headings, width of column, spacing between paragraphs, position of the name of the author(s), abstract versus synopsis, figures and tables, text of the references, etc. create unnecessary confusion and waste of time for those authors that contribute to different conferences.

Recommendations

To standardize technical papers it is recommended that a *Manual for the Preparation of Technical Papers for Conferences Under the Auspices of ISSMFE* be prepared, circulated among the Member Societies for comments and adopted for use.

The Manual will produce economy since it will contain the standardized instructions for abstract and technical paper, specimen paper, etc. and after their original handout, additional copies are to be sent only to those requesting them. Also, unused forms for the abstract and technical paper may be kept by interested parties for use for subsequent conferences. Additional savings can be obtained by ordering greater quantities of the material at one time.

Changes in the Manual can be made by addendum. After several changes have been made a new version of the Manual can be issued, if deemed necessary.

Conclusions

The *Manual for Preparation of Technical Papers for Conferences Under the Auspices of ISSMFE* will make life easier for the organizer of conferences as well as for the author of technical papers. In addition, a bonus is in the offering due to the lowering of expenses.

APPENDIX 10

ISSMFE Model Library (English)

Report by Secretary General

Twenty-five sets of the Model Library books have now been obtained direct from the publishers. Each set is comprised of the following books:

- * **Foundation Design and Construction** (6th Edition) by M J Tomlinson, publ. Longman, Scientific and Technical.
- * **Soil Mechanics in Engineering Practice** by Terzaghi and Peck (New Edition prepared by Peck and Mesri), publ. Wiley Interscience.
- * **Fundamentals of Soil Behaviour** by J K Mitchell (2nd Edition), publ. Wiley Interscience.
- * **Waste Containment Systems, Waste Stabilization and Landfills; Design Construction** by Sharma and Lewis, publ. Wiley Interscience.
- * **Soil Mechanics** (5th Edition) by R F Craig, publ. Chapman and Hall.
- * **Soil Mechanics - Solutions Manual** (5th Edition) by R F Craig, publ. Chapman and Hall.
- * **Piling Engineering** by Fleming, Weltman, Randolph and Elson, publ. Surrey Univ. Press and Halsted Press.
- * **Mohr Circles, Stress Paths and Geotechnics** by R H G Parry, publ. E and F N Spon.

The books by Mitchell and by Terzaghi, Peck and Mesri were donated by Wiley to ISSMFE free of charge, and the remaining books purchased at a reduction of 15% to 25% on retail price. The total cost of the books was GBP3820. Twenty sets of books have been sent out, one set to each of the following recipients:

- * Department of Civil Engineering, Faculty of Engineering and Architecture, University of Khartoum - **Sudan**
- * Department of Civil Engineering, University of Moratuwa - **Sri Lanka**
- * Department of Civil Engineering, Regional College of Engineering, Kakinada - **India**
- * Hydraulic Engineering Department, Tsinghua University - **China**
- * Printhiwi Narayan Campus, Pokhara, Gandaki - **Nepal**
- * Tallinn Technical University - **Estonia**
- * Facultad de Ingeniería Civil y Facultad de Ciencias Geológicas, Universidad Mayor de San Andrés - **Bolivia**
- * Universidad de Guayaquil - **Ecuador**
- * CISMID, Facultad de Ingeniería Civil, Universidad Nacional de Ingeniería - **Peru**
- * Facultad de Ciencias y Tecnología, Universidad Católica "Nuestra Señora de la Asunción" - **Paraguay**
- * Laboratorio Nacional de Materiales y Modelos Estructurales, Universidad de Costa Rica - **Costa Rica**
- * Department of Soil Mechanics, Bases and Foundations, State Civil Engineering University, Moscow - **Russia**
- * Technical University of Bucharest - **Romania**
- * Vilnius Gediminas Technical University - **Lithuania**
- * University of Maribor - **Slovenia**
- * University of Engineering and Technology, Lahore - **Pakistan**
- * Odessa State Maritime University - **Ukraine**
- * Department of Bases, Foundations and Soil Mechanics, University of Architecture and Civil Engineering, St Petersburg - **Russia**
- * Karaganda Metallurgical Institute, Department of Civil Engineering, Temirtau - **Kazakhstan**
- * Abubakar Tafawa Balewa University, Bauchi - **Nigeria**

The sets of books have been sent to the Secretaries of the ISSMFE Member Societies in the recipients' countries with the request that they should be presented to the recipient, by a Senior ISSMFE Member, in a small ceremony (see example of accompany letter). As the Ukraine does not have a Member Society the set of books for Odessa were sent directly to Prof Doubrovsky. A mounted plaque has been sent with each set of books and ex-libris plates pasted inside the front cover of each book (see attached examples).

A French language Model Library has also been assembled and distributed and the report on this by M Gambin to the 1996 ISSMFE Board meeting is attached.

ISSMFE Model Library (French)

Report by M Gambin

In cooperation with the Canadian Geotechnical Society, le Groupement Belge de Mécanique des Sols et la Société Suisse de Mécanique des Sols et des Roches, le Comité Français de Mécanique des Sols selected the following titles:

- F. SCHLOSSER "Eléments de Mécanique des Sols" Les Presses des Ponts et Chaussées, Paris (1989).
- M. CASSAN "Aide-Mémoire d'hydraulique souterraine" Les Presses des Ponts et Chaussées, Paris (1994).
- Auteurs multiples "Fondations et Soutènements" Les Techniques de l'Ingénieur, Paris (1995).
- B. HOLTZ & W. KOVACS (J. LAFLEUR translator) "Introduction à la géotechnique" Editions de l'Ecole Polytechnique de Montréal (1991).
- Société Canadienne de Géotechnique "Manuel Canadien d'Ingénierie des Fondations" Bitech, distributor, Vancouver (1994).

under the supervision of Prof. W. Van Impe who included the funds in the 1996 budget of ISSMFE and helped to select the recipients.

F. Schlosser and M. Cassan books were obtained at half rate, i.e. FF 170 and 165 respectively, instead of FF340 and 330, from "Les Presses des Ponts", Paris.

Les Techniques de l'Ingénieur manual, especially printed for the Ecole Nationale des Ponts et Chaussées students were paid at a discount rate of FF 115.21.

"Introduction à la Géotechnique" was bought at CN\$ 71.20, shipment included, from Prof. J. Lafleur.

CGS Manual was free.

To this list, the French Agency for Roads and Motorways added:-

- "Reconnaissance des tracés de routes et autoroutes" Lab. Central des Ponts et Chaussées, Paris (1982).
- "Les essais de pénétration" Lab. Central des Ponts et Chaussées, Paris (1989).

The first distribution took place on the 17th September 1996 at Marrakech, Morocco, during a specially designed

international symposium, on "Damages to Foundations and their Remedies", Prof. M. El Ghamrawy being in the chair.

The name and location of the 18 recipients is given in the attached table. Copies of plaques with the names of Corporate Members and Publishers and inserts in each book inside cover were given out with each set of books.

At the same symposium, le Comité Transnational de Géotechnique Africain was formed to gather all francophone geotechnical engineers and academics who were not yet members of ISSMFE.

A Francophone Model Library was donated this Spring to the Universidad Autonoma Tomas Frias, Potosi, Bolivia through the Vice-President of ISSMFE for South America, Prof. L. Valenzuela.

**Rencontre de Marrakech des 17-18 Septembre 1996
Récipiendaires de la bibliothèque francophone de la
SIMSTF**

Pays	Ettablissement
Algérie	Ecole Nationale Polytechnique, El Harrach, Alger
Algérie	Ecole Nationale des Travaux Publics, Vieux Kouba, Alger
Burkina Faso	EIEIER Ouagadougou
Burundi	Facilté des Sciences Appliquées, Bujumbura
Cameroun	ENS Polytechnique, Yaoundé
Republique Centrafricaine	Faculté des Sciences et Technologie, Bangui
Côte d'Ivoire	ENSTP Yamoussoukro
Gabon	Ecole Polytechnique de Masuku
Guinée	Departement Génie Civil, Université de Conakry
Madagascar	JER, 4001 Avenir de l'Océan Indien, Université de Mahajanga
Madagascar	Ecole supérieure Polytechnique, Antananarivo
Mali	ENI Bamako
Maroc	Ecole Mohammadia d'Ingénieurs
Maroc	Ecole Hassania de TP
Ile Maurice	Faculté d'ingénierie, Université à Réduit
Sénégal	Ecole Supérieure Polytechnique, Dakar
Sénégal	Ecole Polytechnique de Thiès
Tchad	ENTP N'Djamena
Togo	ENSI Lomé
Tunisie	ENIT Tunies
Tunisie	ENI Gabès
Zaire	Faculté Polytechnique Université, Kinshasa

APPENDIX 11 - ISSMFE HERITAGE MUSEUM

(a) Report by Professor W F Van Impe

In the last ISSMFE Board meeting of October 1996 in Santiago de Chile, the proposal to create a Soil Mechanics Heritage Museum was greeted and fully approved.

The intention can be described as to collect and to house in a museum the pieces of equipment, valuable documents and artefacts of real historical interest and importance to the conservation of our Soil Mechanics and Foundation Engineering patrimony. The main aim would be to create within the ISSMFE another very worthwhile educational tool and to open our learning Society even more towards all interested scientists and young people.

At a first organisational step, we should establish now a small committee of enthusiastic colleagues ready to graciously devote their time supporting such initiative (at least at its start) with their expertise, analysing and evaluating the first possible offers for valuable artefacts we expect to assemble from all over the world.

At the same time, the need for a selection of a historically and geographically attractive site for such a museum is emerging, keeping in mind a suitable architectural design, the required facilities for on the one hand, the relevant ordering of the historical equipment and all other documents and on the other hand, guaranteeing the possibility for educational use of the Museum building and its content.

It's certainly feasible that the permanent backup staff and custodian of such continuously growing collection, finally can be administered by the ISSMFE together with the support of the hosting Member Society and of the Corporate Members. However, during the first years of the start-up, we expect the Museum-donating Member Society to cover the cost for such limited staff of co-workers, the Museum building anyhow considered to be a donation of this hosting Member Society.

The design and construction of the Museum and its facilities should not take more than three years from now.

For the moment, after an initiating analysis and discussion of the keypoints we have to take into account, such as : the historical and professional aspects, the feasibility of such long term project from the financial point of view, etc., a first general proposal was drafted by the Istanbul University, offering a newly to design Museum building on its Campus.

As enclosure 1 this proposal has been added. In enclosure 2 a first estimate of the long term financial implications is summarized.

At least the intention of ISSMFE to go on with this Museum project, as well as the support towards the initiative and its committee (to be established) responsible for working it out, should be officially declared.

W. F. VAN IMPE

Enclosure 2

BUDGET PROPOSAL 'HERITAGE MUSEUM'

ISSMFE support

- * 1997 : 3000 US\$
- * 1998 till, 2001: 1000 US\$/year (sponsoring ISSMFE corporate Members)
- * From 2002 on :
 - expected yearly ISSMFE support : 5000 US\$
 - expected corporate members support : yearly 10000 US\$
 - expected support hosint Member Society for Museum running
- * From end 1998 and 1999 on, the support will be mainly dedicated to transport of the donated artifacts + administration by the ISSMFE responsables (International Board of the Museum)

Prof. Dr ir W. F. VAN IMPE

Enclosure 1

HERITAGE MUSEUM

Objective

A museum will be established under the auspices of ISSMFE to collect and to exhibit apparatus, documents, books, photographs, video films, cd-roms, etc. which represent the developments of soil mechanics and foundation engineering.

The museum will be open to the use of all scholars and researchers interested in the subject.

Requirements

75 years have passed since the establishment of soil mechanics as a scientific discipline and 60 years have passed since the First International Conference of Soil Mechanics and Foundation Engineering. The international community of soil mechanics and foundation engineering has reached a certain maturity to supply and to equip a heritage museum. It should be extremely interesting and profitable to collect artefacts, materials and documents in order to present them in a meaningful and instructive manner to younger generations as well as researchers of the history of soil mechanics and foundation engineering.

The Heritage Museum will accumulate artefacts, materials and documents by all possible legal ways, i.e. by accepting donations, by purchasing, etc; will preserve and maintain those in good condition. All the artefacts, materials and documents will be on display and will be made available to the closer study of scholars and researchers.

Researchers will be provided study space and modest accommodation to pursue their studies at the Museum.

Organization

The ISSMFE HERITAGE MUSEUM will be established on the Campus of Istanbul Technical University. The University will provide the building for the Museum.

The government of the Museum will consist of two basic committees. The International Board of the Museum will consist a Chairman and four Members. The Chairman and

three of the Board Members will be appointed by the Board of ISSMFE for a period of five years. The fourth board membership will have ex officio statue and will be taken by the Chairman of the Local Organizing Committee. The Local Organizing Committee will consist of the President of the Turkish National Committee for SMFE, Rector of the Istanbul Technical University and the Chairman of the Science Center Foundation, or their representatives. The Local Organizing Committee will elect its Chairman for a two year period.

The upkeep, maintenance and security of the Museum will be provided by the Science Center Foundation.

The funds necessary to achieve the objectives of the Museum will be provided by donors from private and public institutions and persons. The International Board of the Museum will have the overall responsibility for making and supervision of the budget.

Meeting the needs

The Museum will have the following spaces for its various functions: exhibition hall, stock room, study, library, a small workshop for repairs. In addition to those it is expected that the accommodation facilities are provided for researchers who will spend a few days on the Campus.

The minimum staff of the Museum should be two specialists, one as the Director and the second one as his/her assistant, and an archivist.

Next step

In order to materialize the Heritage Museum Project it would first of all be necessary to reach a formal agreement between ISSMFE and Istanbul Technical University. Secondly it should be very beneficial to make an agreement with the Science Center Foundation which is a privately owned foundation involved in establishing a Science Museum on the University Campus. Thirdly it would be useful to come to an agreement with the Technical University Development Foundation in order to get assistance on legal and financial matters.

Those agreements could be reached, I believe, without much difficulty if there is a concensus at the Board of ISSMFE. Once those agreements were finalized, funding and obtaining grants will smoothly be achieved. In order to start construction of the Museum building in 1998 it should be necessary to finalize principal agreements before June 1997.

DRAFTED
PROF TOGROL

- (b) Herm Prof. Dr. ir. William Frans van Impe
Universiteit Gent
Campus Ardoyen
Laboratorium voor Grondmechanica
Technologiepark - Zwijnaarde, 9
B-9052 Zwijnaarde

April 23rd, 1997

Soil Mechanics Heritage Museum
Your letter, 5-03-1997

Dear Professor van Impe:

The German Society for Geotechnics (DGGT) welcomes the decision taken in October 1996 by the ISSMFE-Board with respect to founding a Heritage museum and your personal enthusiasm for this project.

For approximately one hundred years, Soil Mechanics has been an independent chapter of structural engineering which, according to our understanding, makes it sensible at the beginning of a new century, to document its development for the generations to come and specifically so for the young scientists and engineers.

The DGGT is, however, of the opinion that before starting with the collection of exhibits a concept for such a museum should be found, pinpointing the educational targets and establishing the financial costs and the staff requirements for such a project. Only after having accomplished this we can assess and justify such a project versus our members. This is certainly also valid for the other member societies.

The choice of the locality is another important factor. On the one hand, it should be closely related to the chapter and, on the other hand, it should guarantee the technical interest of as many patrons as possible, especially young people.

Considering all these factors and with a view to the financial implications, the universally famous and largest natural-scientific-technical museum, the "Deutsches Museum" in Munich could be taken into consideration as a suitable locality. The museum already disposes of a department for structural engineering from a historical viewpoint which could, in given case, perhaps be enlarged by a sub-division for Soil Mechanics. Furthermore, it is a well-known fact that Munich is a city that largely influenced this chapter.

We therefore suggest to start with the preliminary conceptional works which are, according to our opinion, absolutely necessary. Then the collection of exhibits is logically the second step. Such procedure is certainly also necessary for the council-meeting which will take place in September 97 in Hamburg.

Yours sincerely,

PROF. DR. ING. W. WITTKÉ

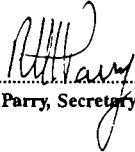
cc: Prof. Jamiolkowski
Dr Parry

International Society for Soil Mechanics and Foundation Engineering

Receipts and payments account for the year ended 31 December 1995

	Credit Suisse SFr	Barclays Bank £	Investment Accounts £	University of Cambridge £
Cash balance at 1 January 1995	227,194	61,735	137,723	1,311
Add: Receipts				
Member Society subscriptions	183,543	3,979	-	-
Corporate Member subscriptions	2,038	4,219	-	-
Conference income	-	440	-	-
Publication sales	-	220	-	-
Slide sales	-	30	-	-
Interest received	-	2,650	8,263	-
	<u>412,775</u>	<u>73,273</u>	<u>145,986</u>	<u>1,311</u>
Less: Payments				
Emoluments and staff costs	-	27,050	-	13,371
Travel and entertainment	-	23,345	-	87
Photocopying	-	-	-	1,976
Telephone, telex and fax	-	1,479	-	-
Postage	-	36	-	1,579
Stationery	-	1,618	-	897
Newsletter	-	7,623	-	-
Audit fees	-	1,011	-	-
Bank charges	381	313	-	-
Corporation tax	-	2,557	-	-
Conference support	-	2,000	-	-
Information retrieval support	-	3,130	-	-
UATI Fee	-	1,404	-	-
Office equipment	-	-	-	1,508
Model library	-	2,762	-	-
	<u>381</u>	<u>74,328</u>	<u>-</u>	<u>19,418</u>
Add: Transfers from other accounts	-	64,364	-	15,000
Less: Transfers to other accounts	120,021	15,000	-	-
Cash balance at 31 December 1995	<u>292,373</u>	<u>48,309</u>	<u>145,986</u>	<u>(3,107)</u>
Increase in cash balance	<u>65,179</u>	<u>(13,426)</u>	<u>8,263</u>	<u>(4,418)</u>

Information: At 31 December 1995 - £1 = SFr1.787


R H G Parry, Secretary General


Date

International Society for Soil Mechanics and Foundation Engineering

Receipts and payments account for the year ended 31 December 1996

	Credit Suisse SFr	Barclays Bank £	Investment Accounts £	University of Cambridge £
Cash balance at 1 January 1996	292,373	48,309	145,986	(3,108)
Add: Receipts				
Member Society subscriptions	170,203	2,799	-	-
Corporate Member subscriptions	-	3,279	-	-
Conference income	-	1,870	-	-
Publication sales	-	371	-	-
Slide sales	-	1,105	-	-
Video sales	-	604	-	-
Travel refund	-	1,047	-	-
Interest received	-	2,041	8,281	-
	<u>462,576</u>	<u>61,425</u>	<u>154,267</u>	<u>(3,108)</u>
Less: Payments				
Emoluments and staff costs	-	30,000	-	13,988
Travel and entertainment	-	25,975	-	35
Photocopying	-	-	-	1,248
Telephone, telex and fax	-	1,530	-	-
Postage	-	-	-	1,378
Stationery	-	915	-	435
Newsletter	-	4,057	-	-
Audit fees	-	1,034	-	-
Bank charges	405	303	-	-
Corporation tax	-	2,728	-	-
Conference support	-	2,000	-	-
Slides	-	-	-	985
Office equipment	-	1,194	-	1,322
Model library	-	4,716	-	1,242
	<u>405</u>	<u>74,452</u>	<u>-</u>	<u>20,633</u>
Add: Transfers from other accounts	-	89,195	-	23,000
Less: Transfers to other accounts	170,028	23,000	-	-
Cash balance at 31 December 1996	<u>292,143</u>	<u>53,168</u>	<u>154,267</u>	<u>(741)</u>
(Decrease)/Increase in cash balance	<u>(230)</u>	<u>4,859</u>	<u>8,281</u>	<u>2,367</u>

Information: At 31 December 1996 - £1 = SFr2.30

Dr R H G Parry
Secretary General



Date 23 April 1997

APPENDIX 12c

1995/1996 COMPARISON OF ACCOUNTS & BUDGET ITEMS

ITEM	ACTUAL	BUDGET GBP		ACTUAL
	GBP (1 GBP = 1.787 CHF) 1995	1995	1996	GBP (1 GBP = 2.30 CHF) 1996
ORDINARY ITEMS RECEIPTS				
Member Society Subscriptions	106690	73000	73000	76800
Interest (less Corp.Tax)	8356	7000	7500	7594
	115046	80000	80500	84394
EXPENDITURE				
Emoluments & Staff Costs	40421	42000	44000	43988
Office Costs and Equipment	1508	1500	2000	2516
Photocopying and Printing	1976	2000	1500	1248
Telephone and Fax	1479	2200	2500	1530
Postage	1615	1900	2000	1378
Stationery	2515	700	800	1350
Audit Fees/Bank Charges	1537	1200	1250	1513
Travel [less refunds]	23432	27000	27000	24963
	74483	78500	81050	78486
EXTRAORDINARY ITEMS RECEIPTS				
Corporate Member Subs	5360	4000	4000	3279
Conference Income	440	1000	0	1870
Royalties: Procs/Reports	0	500	500	0
Sales of Slides	30	500	500	1709
Lexicon & Other Sales	220	500	500	371
	6050	6500	5500	7229
EXPENDITURE				
Conference Support	2000	4000	6000	2000
Proceedings and Reports	0	0	0	0
Model Library	2762	6000	6000	5958
Other Initiatives	3130	3500	0	0
Slides	0	500	750	985
Kevin Nash Gold Medal	0	0	0	0
List of Members	0	0	0	0
ISSMFE News	7623	10000	10000	4057
UATI Subscription	1404	1350	0	0
	16919	25350	22750	13000

ISSMFE - ORDINARY BUDGET

May 1997

	1995 Real Figures 1 £ = 1.787 SFr Adapted Febr. 1996	1996 Forecast 1 £ = 1.787 SFr	1996 Real Figures 1 £ = 1.787 SFr	1997 Forecast 1 £ = 2.3 SFr
RECEIPTS				
Member Society Subscriptions	106,689	107,000	97,994	83,200
Interest (less Corp. Tax)	8,350	8,000	10,321	6,200
Travel refund	-	-	1,001	-
	115,045	115,000	109,316	89,400
EXPENDITURE				
Secretariat Emoluments & Staff costs	40,421	42,000	43,988	44,500
Office costs and Equipment	1,508	2,303	2,516	1,800
Photocopying and printing	1,976	1,728	1,248	1,800
Telephone and Fax	1,479	2,879	1,530	2,250
Postage	1,615	2,303	1,378	2,250
Stationery	2,515	2,303	1,350	1,800
Audit fees / Bank charges	1,011	1,440	1,300	1,200
Travel and Entertainment also incl.	23,432	31,096	26,081	24,200
Board Members' partial support	-	-	-	-
Corporation tax	-	-	2,728	2,200
	73,957	86,052	82,119	82,000
Surplus (Deficit)	41,088	28,948	27,197	7,400

ISSMFE - ORDINARY BUDGET

Long Term Forecast - May 1997

(March 1997 : 1 £ = 2.3 SFr)

	1998 (GBP)	1999 (GBP)	2000 (GBP)	2001 (GBP)
RECEIPTS				
Members Society Subscriptions	76,000	76,000	84,000	84,000
Interest	8,000	8,000	8,000	8,000
	84,000	84,000	92,000	92,000
EXPENDITURE				
Emoluments & Staff costs and costs for secretariat (*)	54,000	50,000	48,000	45,000
Travel President/Board/Secr. General	27,750	27,750	30,000	30,000
	81,750	77,750	78,000	75,000
Surplus (Deficit)	2,250	6,250	14,000	17,000

(*) In addition to that, it's necessary to provide an additional exceptional expenditure : Temporary overlap of Secretary General - exceptional expenditure (to be expected whenever incoming ISSMFE President decides to change the Secretary Generalship) : 12,000 £

ISSMFE - EXTRAORDINARY BUDGET

May 1997

	1995 Real Figures 1 £ = 1.787 SFr Adapted Febr. 1996	1996 Forecast 1 £ = 1.787 SFr	1996 Real Figures 1 £ = 1.787 SFr	1997 Forecast 1 £ = 2.3 SFr
RECEIPTS				
Corporate Member Subscriptions	5,359	5,989	3,208	6,000
Conference Income	440	-	1,870	20,000
Royalties : Proceedings / Reports	-	576	-	450
Sales of Slides (& video)	30	576	1,696	450
Lexicon and other Sales	220	576	371	450
	6,049	7,717	7,145	27,350
EXPENDITURE				
Conference Support (incl. YGEC)	2,000	4,607	2,012	7,500
Proceedings and Reports	-	-	-	-
Model Library	2,762	6,910	4,716	-
Other Initiatives :		2,303		
- Museum	-	-	-	1,000
- others	-	864	-	3,000
Slides and videos	-	-	985	700
Kevin Nash Gold Medal	-	-	-	900
List of Members	7,623	11,517	-	8,950
ISSMFE News	1,404	-	4,057	8,950
UATI Subscriptions	-	-	-	-
	13,789	26,201	11,770	31,000
Surplus (Deficit)	(7,740)	(18,484)	(4,625)	(3,650)

ISSMFE - EXTRAORDINARY BUDGET

Long Term Forecast - May 1997

	1998 (GBP)	1999 (GBP)	2000 (GBP)	2001 (GBP)
RECEIPTS				
Corporate Member Subscriptions	6,000	8,000	10,000	10,000
Conference Income	(ICEG III) 8,000	(RC) 8,000	6,500	(ICSMFE) 15,000
GEO 2000	-	-	(Melbourne) 4,000	-
	14,000	16,000	20,500	25,000
EXPENDITURE				
GEO 2000 seed money	-	-	3,000	
Conference Support	4,000	4,000	4,000	6,000
Model Library	4,000	4,000	4,000	4,000
Other Initiatives :				
- Museum (*)	5,000	5000	5,000	5,000
- Others	5,000	5000	5,000	5,000
List of Members (Disc. version ?)	-	-	-	6,000
ISSMFE News	9,000	9,000	10,000	10,000
	27,000	27,000	31,000	36,000
Surplus (Deficit)	(13,000)	(11,000)	(10,500)	(11,000)

(*) - only after starting up the Museum activities
 - amount for bringing in artefacts

**ORDINARY + EXTRAORDINARY BUDGET
ACCUMULATED SURPLUS FORECAST**

May 1997

(March 1997 : 1 £ = 2.3 SFr)

1995 (GBP)	1996 (GBP)	1997 (GBP)	1998 (GBP)	1999 (GBP)	2000 (GBP)	2001 (GBP)
359,532	382,104	381,854	-	-	-	-