INTERNATIONAL SOCIETY FOR
SOIL MECHANICS AND
GEOTECHNICAL ENGINEERING

SIMSG ISSMGE

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Organization of the conference
Organisation du congrès

Conference Advisory Committee/Comité consultatif du congrès

Prof. Dr h.c. M. B. Jamiolkowski, Chairman/Président
Prof. Dr Ir W. F. Van Impe
Prof. S. Gulhati
Prof. Dr-Ing. W. Wittke
Prof. Dr-Ing. E.h. M. Nußbaumer
Dr R. H. G. Parry

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Bureau consultatif du congrès/Comité d'organisation

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Dr-Ing. O. Franz
Prof. Dipl.-Ing. D. Schröder
Prof. Dr-Ing. Dr-Ing. E.h. U. Smoltczyk
Dipl.-Ing. R. Thiel

Conference program
Programme du congrès

Time Table of the Conference

Time	Monday 8.9.97	Tuesday 9.9.97	Time
8.00			8.00
8.30			8.30
9.00		Plenary Session 3 Hall 2	9.00
9.30	Opening Ceremony Hall 2		9.30
10.00			10.00
10.30			10.30
11.00		Discussion Session 1.1 2.1 3.1 Hall 4 6 2	11.00
11.30			11.30
12.00	"Terzaghi Oration" Hall 2		12.00
12.30		Invited Lecture 1 Hall 2	12.30
13.00			13.00
13.30			13.30
14.00			14.00
14.30	Plenary Session 1 Hall 2		14.30
15.00		Discussion Session 1.2 2.2 3.2 Hall 4 6 2	15.00
15.30			15.30
16.00			16.00
16.30	Plenary Session 2 Hall 2		16.30
17.00		Discussion Session 1.3 2.3 7.1 Hall 4 2 6	17.00
17.30			17.30
18.00			18.00
18.30			18.30
19.00	Welcome Reception Foyer Hall 2		19.00
19.30			19.30
20.00			20.00
20.30			20.30
21.00			21.00

Time	Wednesday 10.9.97	Thursday 11.9.97	Time
8.00			8.00
8.30			8.30
9.00	Plenary Session 4 Hall 2	Plenary Session 6 Hall 2	9.00
9.30			9.30
10.00			10.00
10.30			10.30
11.00	Plenary Session 5 Hall 2	"Heritage" Lecture Hall 2	11.00
11.30			11.30
12.00			12.00
12.30	Invited Lecture 2 Hall 2	"Momentous" Lecture Hall 2	12.30
13.00			13.00
13.30			13.30
14.00			14.00
14.30			14.30
15.00	Discussion Session 4.1 4.2 5.1 Hall 6 4 2	Discussion Session 6.1 6.2 6.3 Hall 2 4 6	15.00
15.30			15.30
16.00			16.00
16.30			16.30
17.00	Discussion Session 4.3 5.2 7.2 Hall 4 2 6	Final Ceremony Hall 2	17.00
17.30			17.30
18.00			18.00
18.30			18.30
19.00		Reception by the Senate of the Free and Hanseatic City of Hamburg	19.00
19.30			19.30
20.00		Closing Banquet	20.00
20.30			20.30
21.00			21.00

Scientific Programme

Monday, September 8, 1997

09.30 - 11.30 h
Hall 2

Opening Ceremony

- Musical opening of the ceremony performed by the "Finkwarder Speeldeel", a renowned north German folkloristic group, acting at the same time as embassadors for the city of Hamburg. Clad in their colourful national costumes, the singers and dancers thrill their audience with their enchanting musical performances.
- Welcome address by the Chairman of the Conference Advisory Board and Chairman of the DGGT, Prof. Wittke
- Address by the "Präses der Behörde für Wissenschaft und Forschung" of the Free and Hanseatic City of Hamburg. Senator Prof. Dr. Hajen
- Address by the President of the "Hauptverband der Deutschen Bauindustrie", Dr. Franz
- Welcome address, presentation of the Kevin-Nash Medal and Award by the ISSMFE President, Prof. Jamiolkowski
- "Images of Hamburg", a slide presentation

12.00 - 13.00 h
Hall 2

"Terzaghi Oration"
"Geotechnical Aspects of the 1995 Kobe Earthquake"
Chairman: Prof. Jamiolkowski (Italy)
Lecturer: Prof. Ishihara (Japan)

14.30 - 16.00 h
Hall 2

Plenary Session 1
"Soil Testing and Ground Property Characterization"
Chairman: Dr. Valenzuela (Chile)
Lecturer: Prof. Tatsuoka (Japan)
Panelists: Dr. Jardine (UK)
Prof. Gens (Spain)
Prof. Stokoe (USA)

16.30 - 18.00 h
Hall 2

Plenary Session 2
"Recent Developments in Foundation Techniques"
Chairman: Prof. Smoltczyk (Germany)
Lecturer: Prof. van Impe (Belgium)
Panelists: Dr. Gwizdala (Poland)
Prof. Duncan (USA)
Prof. Gudehus (Germany)

19.00 - 21.00 h
Foyer Hall 2

Welcome Reception

Tuesday, September 9, 1997

09.00 - 10.30 h
Hall 2

Plenary Session 3
"Retaining Structures and Excavated Slopes"
Chairman: Dr. Martak (Austria)
Lecturer: Prof. Nußbaumer (Germany)
Panelists: Dr. Cruden (Canada)
Prof. Komornik (Israel)
Dr. Martak (Austria)

11.00 - 12.30 h
Hall 4

Discussion Session 1.1
"Recent Developments in Laboratory Stress-Strain Testing in Geomaterials"
Chairman: Prof. Ladd (USA)
Discussion Leader: Prof. Dobry (USA)
Panelists: Prof. Di Benedetto (France)
Prof. Graham (Canada)
Prof. Shibuya (Japan)
Dr. Lo Presti (Italy)

11.00 - 12.30 h
Hall 6

Discussion Session 2.1
"Soil Structure Interaction for Shallow Foundations under Static Dynamic Loadings"
Chairman: Prof. Togrol (Turky)
Discussion Leader: Prof. Gazetas (Greece)
Panelists: Prof. Rodatz (Germany)
Dr. Pecker (France)
Dr. Steedman (UK)
Prof. Anagnosti (Yugoslavia)

11.00 - 12.30 h
Hall 2

Discussion Session 3.1
"Design, Construction and Performance of Anchored Walls and Strutted Excavations"
Chairman: Prof. van Weele (Netherlands)
Discussion Leader: Mr. Karlsrud, M. Sc. (Norway)
Panelists: Prof. Whittle (USA)
Dr. Malone (S.E. Asia)
Prof. Mecsi (Hungary)
Dr. Stocker (Germany)

12.30 - 13.30 h
Hall 2

Invited Lecture 1
"Geotechnical Aspects of the Great Belt Project and of the Oeresund Projects"
Chairman: Prof. Wittke (Germany)
Lecturer : Prof. Krebs-Ovesen (Denmark)

15.00 - 16.30 h
Hall 4

Discussion Session 1.2
"Ground Property Characterization by means of in-Situ Tests"
Chairwoman: Dr. Lacasse (Norway)
Discussion Leader: Prof. Robertson (Canada)
Panelists: Dr. Schnaid (Brazil)
Prof. Mayne (USA)
Dr. Fahey (Australia)
Dr. Berrill (New Zealand)

15.00 - 16.30 h
Hall 6

Discussion Session 2.2
"Design and Performance of Piled Rafts"
Chairman: Prof. Hansbo (Sweden)
Discussion Leader: Prof. Katzenbach (Germany)
Panelists: Prof. Randolph (Australia)
Dr. Mets (Estonia)
Prof. Kulhawy (USA)
Prof. Viggiani (Italy)

15.00 - 16.30 h
Hall 2

Discussion Session 3.2
"Large Excavations and Dewatering in Urban Environments"
Chairman: Mr. Ervin (Australia)
Discussion Leader: Prof. Barends (Netherlands)
Panelists: Dr. Carter (Australia)
Dr. Chin (S.E. Asia)
Dr. Bonnard (Switzerland)
Dipl.-Ing. Kirsch (Germany)

17.00 - 18.30 h
Hall 4

Discussion Session 1.3
"Interplay between Physical and Numerical Models as applied in Engineering Practice"
Chairman: Prof. Ilyichev (Russia)
Discussion Leader: Dr. Corte (France)
Panelists: Dr. Taylor (UK)
Dr. Fioravante (Italy)
Dr. Leung (S.E. Asia)
Mr. van der Poel (Netherlands)

17.00 - 18.30 h
Hall 2

Discussion Session 2.3
"Limit States Concept in Design of Foundations and Retaining Structures"
Chairman: Prof. Steenfelt (Denmark)
Discussion Leader: Dr. Simpson (UK)
Panelists: Dr. Schneider (Switzerland)
Mr. Day M.Sc. (South Africa)
Prof. Soriano (Spain)
Dr. Frank (France)

17.00 - 18.30 h
Hall 6

Workshop 7.1
"Education in Geotechnical Engineering"
Chairman: Prof. Oliveira (Portugal)
Discussion Leader: Prof. Poulos (Australia)
Panelists: Dr. Baguelin (France)
Prof. Gulhati (India)
Prof. El-Ghamrawy (Egypt)
Prof. Förster (Germany)
Prof. Leroueil (Canada)

Wednesday, September 10, 1997

09.00 - 10.30 h
Hall 2

Plenary Session 4
"Underground Works in Urban Environment"
Chairman: Prof. Kovari (Switzerland)
Lecturer: Dr. Mair (UK)
Panelists: Prof. Barla (Italy)
Dipl.-Ing. Stephan (Germany)
Dr. Negro Junior (Brazil)

11.00 - 12.30 h
Hall 2

Plenary Session 5
"Soil Improvement and Reinforcement"
Chairman: Prof. Mitchell (USA)
Lecturer: Prof. Schlosser (France)
Panelists: Dr. Hanzawa (Japan)
Prof. Juran (USA)
Prof. Massarsch (Schweden)

12.30 - 13.30 h
Hall 2

Invited Lecture 2
"Underexcavation of Mexico City's Metropolitan Cathedral and Sagrario Church"
Chairman: Dr. Milligan (Canada)
Lecturer: Prof. Tamez (Mexico)

15.00 - 16.30 h
Hall 6

Discussion Session 4.1
"Subsidence as related to various Tunnelling Techniques"
Chairman: Prof. Fujita (Japan)
Discussion Leader: Prof. Burland (UK)
Panelists: Dipl.-Ing. Becker (Germany)
Prof. Som (India)
Prof. Perri (Venezuela)
Prof. Zaretzky (Russia)

15.00 - 16.30 h
Hall 4

Discussion Session 4.2
"Performance and Monitoring of Underground Works"
Chairman: Prof. Eisenstein (Canada)
Discussion Leader: Prof. Sakurai (Japan)
Panelists: Dr. Di Biaggio (Norway)
Prof. Ulrichs (Germany)
Prof. Shen (S.E. Asia)
Dr. Viggiani (Italy)

15.00 - 16.30 h
Hall 2

Discussion Session 5.1
"Deep-in-Place Mixing Methods including Jet-Grouting"
Chairman: Prof. Dembicki (Poland)
Discussion Leader: Dr. Terashi (Japan)
Panelists: Prof. Anagnostopoulos (Greece)
Prof. Micucci (Argentina)
Prof. Welsh (USA)
Dr. Greenwood (UK)

17.00 - 18.30 h
Hall 4

Discussion Session 4.3
"Soil Improvement for Tunnel Works"
Chairman: Prof. Stefanoff (Bulgaria)
Discussion Leader: Dr. Steiner (Switzerland)
Panelists: Prof. Stille (Sweden)
Dipl.-Ing. Seitz (Germany)
Dr. Kusakabe (Japan)
Prof. Hou (China)

17.00 - 18.30 h
Hall 2

Discussion Session 5.2
"Use of Geosynthetics and Geotextiles in Geotechnical Engineering"
Chairman: Dr. Gourc (France)
Discussion Leader: Prof. Floss (Germany)
Panelists: Prof. Raymond (Canada)
Mr. Rathmayer M.Sc. (Finland)
Dr. G.V. Rao (India)
Prof. Holtz (USA)

17.00 - 18.30 h
Hall 6

Workshop 7.2
"Professional Practice"
Chairman: Prof. Bogossian (Brazil)
Discussion Leader: Dr. Thorburn (UK)
Panelists: Prof. Escario (Spain)
Dr. Vardé (Argentina)
Prof. Nußbaumer (Germany)
Prof. Iwasaki (Japan)
Dr. V.V.S. Rao (India)
Dr. Ajaz (Pakistan)

Thursday, September 11, 1997

09.00 - 10.30 h
Hall 2

Plenary Session 6
"Waste Disposal and Contaminated Sites"
Chairman: Prof. Jessberger (Germany)
Lecturer: Prof. Daniel (USA)
Panelists: Dr. Hartlen (Sweden)
Dr. Stroh (Germany)
Prof. Kamon (Japan)

11.00 - 12.00 h
Hall 2

"Heritage" Lecture
"State of the Art and Development of Geotechnical Engineering in Germany"
Chairman: Prof. van Impe (Belgium)
Lecturer : Prof. Wittke (Germany)

12.30 - 13.30 h
Hall 2

"Momentous" Session
Chairman: Prof. Morgenstern (Canada)
Panelists: Prof. Brandl (Austria)
Prof. O´Neill (USA)
Prof. Za-Chieh Moh (S.E. Asia)
Prof. Hoeg (Norway)

15.00 - 16.30 h
Hall 2

Discussion Session 6.1
"Pollutants Containment via Passive Barriers"
Chairman: Prof. Manoliu (Romania)
Discussion Leader: Dr. Manassero (Italy)
Panelists: Dr. Shackleford (USA)
Dr. Loxham (Netherlands)
Dr. Santos (Spain)
Dr. Rappert (Germany)

15.00 - 16.30 h **Hall 4**	**Discussion Session 6.2** **"Active Pollutant Control and Remediation of Contaminated Sites"** Chairman: Dr. Mawlawi (Syria) Discussion Leader: Dr. Orr (Rep. Ireland) Panelists: Dr. Grubb (USA) Dr. Baumann (Denmark) Dr. Street (UK) Dr. Rowe (Canada)
15.00 - 16.30 h **Hall 6**	**Discussion Session 6.3** **"Dredging Sludge and Tailings Impoundments"** Chairman: Prof. Blight (South Africa) Discussion Leader: Prof. Troncoso (Chile) Panelists: Dr. Carrier (USA) Prof. De Mello (Brazil) Prof. Wolski (Poland) Prof. Vaughan (UK)
17.00 - 18.30 h **Hall 2**	**Final Ceremony** ■ Closing and farewell address President ISSMFE Prof. Jamiolkowski ■ Address incoming President ■ Presentations - XVth ICSMFE 2001, Istanbul, Prof. Togrol, Turkey - IIIrd ICEG 1998, Lisbon, Dr. Sêco e Pinto, Portugal - GEO ENG 2000, Melbourne, Mr. Ervin, Australia ■ Farewell Address, Chairman Conference Advisory Board and Chairman of the DGGT, Prof. Wittke

Sessions of the Technical Committees
Séances des Commissions techniques

Sunday, September 7, 1997			
TC-15	9.30 - 16.00 h	Radisson SAS hotel, Hall Rostock	
Tuesday, September 9, 1997			
TC-2	19.00 - 21.00 h	Hall 15	CCH
TC-5	13.30 - 15.00 h	Hall 13	CCH
TC-6	18.00 - 21.00 h	Hall 13	CCH
TC-7	16.00 - 17.30 h	Hall 14	CCH
TC-8	17.30 - 19.00 h	Hall 15	CCH
TC-16	18.00 - 21.00 h	Hall 14	CCH
TC-17	15.30 - 17.30 h	Hall 15	CCH
TC-22	16.30 - 18.00 h	Hall 13	CCH
TC-30	18.00 - 20.00 h	Hall 11	CCH
Wednesday, September 10, 1997			
TC-4	18.00 - 21.30 h	Radisson SAS hotel, Hall Lübeck	
TC-11	17.00 - 19.00 h	Hall 13	CCH
TC-13	14.00 - 17.00 h	Hall 13	CCH
TC-20	10.00 - 12.00 h	Hall 14	CCH
TC-24	18.00 - 21.00 h	Hall 11	CCH
TC-25	13.30 - 15.00 h	Hall 14	CCH
TC-28	19.00 - 21.00 h	Hall 14	CCH
JTC-18	17.00 - 19.00 h	Hall 14	CCH
ERTC-1	15.00 - 17.00 h	Hall 14	CCH
PCSMFE	19.00 - 21.00 h	Hall 13	CCH
Thursday, September 11, 1997			
TC-29	14.00 - 16.00 h	Hall 11	CCH

The Opening Ceremony
Cérémonie d'ouverture

From the left/à partir de la gauche:
Senator "Präses der Gehörde für Wissenschaft und Forschung" of the Free and Hanseatic City of Hamburg/de la ville libre et hanséatique de Hambourg
Prof. Wittke, Chairman of the German Society for Geotechnical Engineering and of the Conference Advisory Board/Organising Committee/Président de la Société Géotechnique Allemande et du Bureau consultatif du congrès/Comité d'organisation
Mrs Wittke

Front row from the right/premier rang, à partir de la droite:
Prof. Wittke, Senator Hajen, Dr Franz, Prof. Jamiolkowski, Prof. Heitkamp, Prof. Van Impe, Dr Dücker, Prof. Nußbaumer

The President of the ISSMFE, Prof. Jamiolkowski giving his address
Le Président de la SIMSTF, Prof. Jamiolkowski donnant son allocution

Prof. Balasubramaniam receiving the Kevin-Nash Medal by Prof. Jamiolkowski
Prof. Balasubramaniam reçoit la médaille Kevin-Nash des mains du Prof. Jamiolkowski

Musical opening by the folkloristic group "Finkwarder Speeldeel"
Ouverture musicale par le groupe folklorique "Finkwarder Speeldeel"

Prof. Wittke giving his welcome address and later on the Heritage Lecture
Prof. Wittke prononçant son allocution de bienvenue et plus tard sa conférence du patrimoine

The Welcome Reception
Réception de bienvenue

Prof. Wittke addressing the participants
Prof. Wittke pendant une conférence devant l'assemblée

The "Good Ghosts" of the ISSMFE, the Secretary General, Dr Parry and his secretary, Mrs Cobb and friends
Les "bons génies" de la SIMSTF, le secrétaire général, Dr Parry et sa secrétaire, Mme Cobb et amis

The Main Sessions
Séances plénières

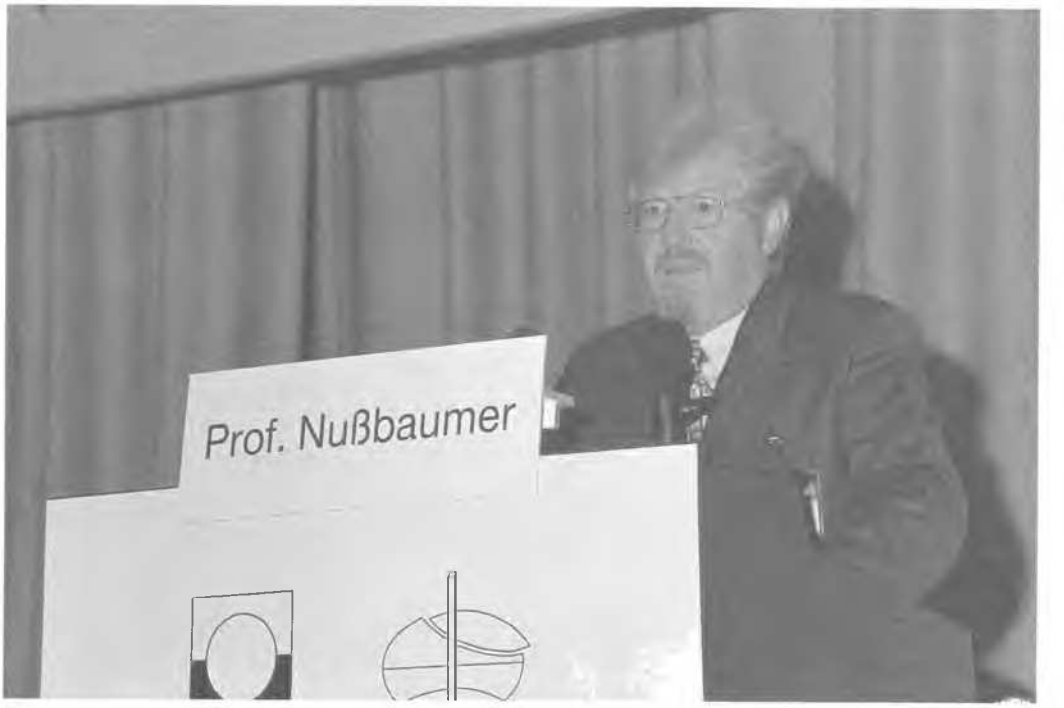
The main lecture hall
Le grand amphithéatre

ISSMGE President elect/Le futur président de la SIMSG
Prof. Ishihara giving the Terzaghi Oration
"Geotechnical aspects of the 1995 Kobe Earthquake"
Prof. Ishihara prononçant l'hommage à Terzaghi
"Aspects géotechniques du tremblement de terre de Kobé de 1995"

Prof. Krebs-Ovesen, Invited Lecturer/Conférencier invité
"Geotechnical aspects of the Storebælt Project"
"Aspects géotechniques du projet Storebælt"

Prof. Tatsuoka, Theme Lecturer, Plenary Session 1/Conférencier du thème, Séance plénière 1
"Soil testing and ground property characterization"
"Essais de sols et caractérisation des propriétés des sols"

Prof. Van Impe, Theme Lecturer, Plenary Session 2/Conférencier du thème, Séance plénière 2
"Recent developments in foundation techniques"
"Développements récents des techniques de fondation"



Prof. Nußbaumer, Theme Lecturer, Plenary Session 3/Conférencier du thème, Séance plénière 3
"Retaining structures and excavated slopes"
"Soutènements et talus de déblais"

Dr Mair, Theme Lecturer, Plenary Session 4/Conférencier du thème, Séance plénière 4
"Bored tunnelling in the urban environment"
"Tunnels forés dans un environnement urbain"

Prof. Schlosser, Theme Lecturer, Plenary Session 5/Conférencier du thème, Séance plénière 5
"Amélioration et renforcement des sols"
"Soil improvement and reinforcement"

Prof. Daniel, Theme Lecturer, Plenary Session 6/Conférencier du thème, Séance plénière 6
"Critical issues for waste containment in landfills and contaminated sites"
"Problèmes critiques posés par le confinement des déchets dans les décharges et les sites contaminés"

A typical panel of a Plenary Session, here Plenary Session 5
La tribune typique d'une séance plénière, ici la séance n° 5

Final Ceremony, Outgoing board members receiving documents of appreciation by the outgoing ISSMFE President Prof. Jamiolkowski

Cérémonie de clôture, distribution des diplômes aux membres sortants du bureau par le professeur Jamiolkowski, président sortant de la SIMSTF

Prof. Morgenstern – Past President/ Ancien Président

Prof. Balasubramaniam – Vice President South East Asia/ Vice Président pour l'Asie du Sud-Est

Mr Ervin – Vice President Australasia/ Vice Président pour l'Australasie

Prof. Van Impe – Vice President Europe/ Vice Président pour l'Europe

Mr. Valenzuela – Vice President South America/ Vice Président pour l'Amérique du Sud

Dr Höeg

Farewell to the outgoing board
Adieu au bureau sortant

Prof. Schlosser

The outgoing President giving the 'ISSMFE-hammer' to the President elect, Prof. Ishihara
Le Président sortant donnant le marteau de la SIMSTF au futur Président, le Prof. Ishihara

A stand of the poster sessions with author
Un panneau à une session de posters avec un auteur

Technical exhibition
Exposition technique

The reception by the Senate of the Free and Hanseatic City of Hamburg in the City Hall

Réception par le Sénat de la ville libre et hanséatique de Hambourg à l'hôtel de ville

Dr Dücker, the representative of the Senate giving his address
Dr Dücker, le représentant du Senat prononçant son allocution

Listening to the address of Dr Dücker
On écoute l'allocution du Dr Dücker

Front row/premier rang: Dr Dücker, Prof. Wittke, Mrs Wittke, Gen. Thiel

The Closing Banquet in the Chamber of Commerce
Banquet de clôture à la Chambre de Commerce

The older and...
Les plus anciens et

The younger generation of geotechnical engineers and accompanying persons
La jeune génération d'ingénieurs géotechniciens et les personnes accompagnantes

Address to the opening ceremony

Allocution à la cérémonie d'ouverture

W.Wittke – *Chairman German Geotechnical Society*
Président de la Société Géotechnique Allemande

Senator, Ladies and Gentlemen, dear Guests and Colleagues!

After the folkloric introduction, which greatly impressed me, and for which I cordially thank the "Finkenwarder Speeldel", may I cordially welcome you to the free and hanseatic city of Hamburg in my capacity as Chairman of the German Society for Geotechnical Engineering and as Chairman of the Conference Advisory Board of the XIVth International Conference on Soil Mechanics and Foundation Engineering. I really do appreciate that you have accepted our invitation to come to this world-open north German harbour city in order to attend the Conference. I also hope to meet your expectations concerning the scientific results of this Conference as well as those concerning Germany in its role as host of the Conference. You will have ample opportunity to get acquainted with this country within the framework of the post-conference tours if you have not already done so prior to this event.

I especially welcome the representative of the free and hanseatic city of Hamburg, the Head of the Bureau for Science and Research, Senator Professor Hajen.

Ladies and Gentlemen, may I explain that a north German city-state - besides Hamburg, this also goes for Bremen - enjoys the status of a federal state and that a senator in a city-state ranks equal with a minister of a federal state.

Welcome, Senator, we are honoured to have you with us and we are looking forward to your address.

I cordially welcome

Prof. Jamiolkowski,

President of the "International Society for Soil Mechanics and Foundation Engineering"

and the vice-presidents of the ISSMFE:

- for Europe — Prof. van Impe
- for North America — Dr. Milligan
- for South America — Mr. Valenzuela
- for Africa — Prof. El-Ghamrawy
- for Asia — Prof. Balasubramaniam
- for Australia — Mr. Ervin

and the other members of the ISSMFE-board as well as the former presidents:

- Prof. Peck (1969 - 1973) and
- Prof. Morgenstern (1989 - 1994)

Prof. Kerisel, president from 1973 - 1977, will be with us on Thursday, the 11th of September 97.

I also cordially welcome Prof. Osterberg who took part in the 1st ICSMFE in 1936 and Prof. Meyerhof, Nova Scotia, who is a honorary member of our society.

I welcome the members of the board of the DGGT und especially the president of the association of the German construction industry, Dr. Franz, towards whom I want to express my special thanks for his indefatigable support of the conference, this in his capacity as a member of the board of the DGGT as well as in the aforementioned function. Thank you, Dr. Franz, you will address this audience and we are looking forward to it.

Ladies and Gentlemen, it is a great honour for us to host this conference for you. In spite of the costs and the work involved, it has been a pleasure to organise this event.

When, in its day, we applied to host this conference, we did so thinking that the time was ripe to have such a conference in a German-speaking country. It was here that Soil Mechanics and Foundation Engineering originated as an independent technical field. In addition, after the iron curtain came down in Europe, our colleagues in central and east Europe as well as those from the former Soviet Union now have the chance to freely participate. We, as Germans, feel that we have a special obligation towards our colleagues and I appreciate very much that I can welcome so many participants coming from those states. We also know that your material possibilities are still insufficient and, in individual cases, we have tried to improve this situation.

I also greatly appreciate the fact that so many participants have found their way to Hamburg, coming from Europe and from the far east, from across the Atlantic and from the southern hemisphere. Naturally, I also welcome those that had the shortest distance to cover, namely our compatriots. I fully understand that the limited possibility of speaking our native language has somewhat made it difficult for you to decide to attend this conference, and, in some cases, it may have also induced some colleagues not to attend it. By moving a motion during the ISSMFE-council meeting, we have tried to improve this situation by applying to also permit the language of the hosting country of the respective Society's Conference.

Ladies and Gentlemen, I already mentioned that our field of engineering has been greatly shaped in the German-speaking countries. Based on this fact, we have taken the liberty to present you with the booklet "Guidelines for Soil Engineering Research", dating from 1937, which cements this fact. I hope that as many of you as possible can read this booklet or at least can make use of the ample literary list of references. When reading this booklet myself, I was surprised to find how up-to-date this 60-year-old guideline still is. You will probably come to the same conclusion.

1 160 colleagues and 75 exhibitors coming from all over the world will participate in this conference. Although the participation of this conference is not completely up to our expectations, it is well attended. Possibly the wide spectrum of conferences offered world-wide plus the fact that the present situation of the construction industry leaves much to be desired, at least here in Europe, has had a dampening effect.

The conference programme reflects all fields of Soil Mechanics and Foundation Engineering and surely is attractive. May I express my gratitude to you, Professor Jamiolkowski, for having drawn up this programme with the support of the vice president Europe, Prof. van Impe and Dr. Parry, and for having manned it with the "Persons on the Stage". It was a pleasure to co-operate with you.

Ladies and Gentlemen, let me briefly explain to you how we here in Germany handle the subject of Geotechnical Engineering and especially Soil Mechanics and Foundation Engineering. Here only a short organisatorial aspect. Later on, I will explain in detail our heritage in the "Heritage Lecture".

The "German Society for Geotechnical Engineering" disposes of 6 different special chapters:

- Soil Mechanics
- Foundation Engineering
- Rock Mechanics
- Engineering Geology
- Geosynthetics in Geotechnics
- Sanitary Landfills and Waste Disposals

Members of these special chapters are simultaneously members of the corresponding international societies (ISSMFE, ISRM, IAEG, IGS).

The DGGT disposes of 39 working groups. These groups elaborate recommendations and guidelines for the state-of-the-art topics of our special technical field. They also co-operate with the drafting of national and international norms. You surely noticed the list of recommendations contained in your conference documents.

The "German Society for Geotechnical Engineering" (DGGT) hosts the national biennial convention "Baugrundtagung", covering the entire field of Geotechnical Engineering. This convention has meanwhile developed into a great specialized event in Germany. In 1996 in Berlin we were able to welcome 1 500 participants and 60 exhibitors. The special chapters of the DGGT also host biennially their own symposia, which have become well known beyond the German borders.

Our society has more than 1 500 personal members, plus corporate members coming from consulting firms, construction companies and the authorities. This implies that next to the United States we are the second-largest member society of the ISSMFE.

I wish you all very pleasant days here in Hamburg with lots of technical information but, most of all, lots of personal encounters to intensify our world-wide relationship.

Senator Hajen, may I ask you now to address the audience in the name of the free and hanseatic city of Hamburg.

Address to the opening ceremony

Allocution à la cérémonie d'ouverture

Leonhard Hajen – *Scientific Senator of the Free and Hanseatic City of Hamburg, Germany*
Sénateur Scientifique de la Ville Libre et Hanséatique de Hambourg

Ladies and Gentlemen!

I really appreciate to be able to welcome you on behalf of the Senate of the free- and hanseatic city of Hamburg.

Hamburg is a popular place for venues for international conventions. When considering the topics and programmes of your Conference, our city is really destined as a place for the exchange of thoughts by researchers and practitioners in the area of soil mechanics and foundation engineering. This so, as you here, in the centre of Hamburg, are surrounded by buildings, the construction of which has been a real challenge for centuries for construction planners and executioners alike and which, to this day, remain to be a challenge for maintenance by you. As examples for historical buildings, to name but a few, there is the "Hamburg Speicherstadt" (Hamburg warehouse centre) and the Hamburg town hall, which has been built more than a hundred years ago, erected on thousands of oak piles. The rest of the centre of Hamburg had to be made "construction-ready" by means of fills, locks and pier walls.

This is why I do hope that - in spite of the full programme that you are having - you will have the possibility to take part in excursions. Besides the beauty of the city, you will also get to know Hamburg´s world openess.

Also today, a city that is situated near or within waters, offers challenges of a special kind for researchers, practitioners and constructors, working in the field of geotechnical engineering. There is no need to go from Hamburg to Berlin´s Potsdamer Platz to visit the "construction site of this century" - the Elbtunnel and the site of the fourth pipe are right in front of your doorstep.

The Hamburgers have baptised their unique shield tunneling machine "Trude" - an abbreviation for deep underneath the Elbe river".

In any case, the project Elbtunnel is a succesful liaison between research and practise. After long years of planning, trials are presently being carried out to shed some light into the darkness by means of seismic sound waves, i.e., to sound the depth of rock segments right in front of the shield tunneling machine. When dealing with this project, we can´t work according to the old miner´s rule that "it´s pitch black in front of the pick hammer". Although we are dealing here with a new method, learning by doing for such a project is only applicable within a very limited range and we depend all the more on designs and calculations.

We people here in the north are living behind dikes. People living in this region always knew that their lives depended on the stability of dikes. Science and research have opened up boundless possibilities to the technicians, but we should go on being humble in the face of the powers of nature. To be able to recognise these and to be able to master them is the challenge the technicians are facing.

In the truest meaning of its sense, your work is of fundamental importance for the living-together of people. In the field of sanitary landfills and waste disposals it is your work that makes life worthwhile again in certain areas.

I wish you all very pleasant days here in Hamburg, especially so a lot of interesting conversations and lectures as well as incentives from the specific field of the surroundings of our city which might serve you for your future tasks of research and practise.

Address to the opening ceremony

Allocution à la cérémonie d'ouverture

Otmar Franz – *President of the Central Bureau of the German Construction Industry*
Président du Bureau Central du Bâtiment Allemand

Dear Professor Wittke, dear Senator Hajen, dear Professor Jamiolkowski,
ladies and Gentlemen!

On behalf of the Board of the Central Bureau of the German Construction Industry I wish you all the very best for the "XIVth International Conference on Soil Mechanics and Foundation Engineering".

I really appreciate that this convention is being held in Germany in spite of, or perhaps because of, the challenges the German construction industry is facing at the moment. The German construction industry is presently struggling with economical and structural problems, but, what is far more important are the chances that the future holds, especially so for foundation engineering.

The German reunification and the opening-up of the east, the opening-up towards Central- and Eastern Europe totally changed the former situation.

Starting on the 1st of January 1999, the European integration will be irreversible by creating the economic- and monetary union (EMU). We may and we have to assume that the countries of the European Union will create a functioning internal European market. As long as European history exists, Germany had been surrounded by enemies and had been involved in wars; now it is situated within neighbouring countries with which it maintains a closely-knit friendship. The volume of goods exchanged between these countries will greatly increase. The existing infrastructure for such an increase is totally insufficient. How will you be able to go from Stockholm to Rome, from Paris to Warshaw, from London to Prague without passing through Europe's most important transit country?

Given the fact that public spending works on a shoestring budget now plus the exorbitant sums needed for the infrastructure and especially so for the infrastructure of the eastern- and western links, innovations will be of paramount importance. This does not only go for German innovations, but also for other European countries and other continents.

The fourth Elbe tunnel tube here in Hamburg has already been mentioned. As the Federal Minister for Traffic, Mr. Wissmann, already stressed ten days ago on the occasion of the inauguration of the shield tunneling installation, this project signifies an outstanding example for the innovative construction industry. The tunnelling of the river Elbe will be carried out by using the largest shield tunneling machine worldwide in operation, with a diameter of 14,20m, its weight being 2 300 tons. The daily drifting performance is 6m, clearing 900 m^3 of sands, local muddy sands, marl, clay and coarse gravel. The shield tunneling machine drifts underneath the Elbe in a depth of up to 24m. It must bear a water pressure of up to 50m water column. It is easy to be seen how many workers would have been needed thirty, fifty or even a hundred years ago to be able to carry out such an enormous task.

On the other hand, this highly necessary project could not have been financed from public spending since the total costs of this tube amount to more than 880 million German marks. By creating a concession model, it was made possible to obtain the financing by a private bank consortium. The private pre-financing has been carried out based on an innovative financial model.

This is only a small example. During the technical excursions you will have the opportunity to visit many innovative projects and the lectures and workshops will give you very interesting incentives.

The German construction industry expects a new impetus from this congress to master forthcoming new tasks. Our thanks go out to those who largely contributed to achieving this goal.

I wish you all and ourselves very interestering days here in Hamburg, greeting you with a

Good Luck!

Welcome address

Allocution de bienvenue

M. B. Jamiolkowski – *President of ISSMFE, and Professor at the Technical University of Torino, Italy*
Président de la SIMSTF et professeur à l'Université Polytechnique de Turin

Mr. Chairman, participants in the Conference, accompanying persons, dear friends and Colleagues.

I have accepted with great pleasure Prof. Wittke's invitation to deliver a Welcome Address at this XIV ICSMFE Opening Session.

Since January 1994 when, at the XIII ICSMFE in New Delhi, the present Board took over its office the time has flown by and we are now ready to pass the office to the President Elect and to the new Board.

The actual Board was given in trust a vigorous, lively Society that in the same healthy condition is to be transferred to our successors.

The present ISSMFE status can be summarised as follows:

1. Our Society with its 70 Member Societies and almost seventeen thousand Members, is the largest Learned Society operating in the field of geomechanics.
2. Recently, a worthy initiative has been undertaken jointly by the French and the Belgium Member Societies to promote the creation of the African Transnational Society of Geotechnique (Comité Transnational de Geotechnique d'Afrique) involving twelve French speaking countries. This move will, hopefully, stimulate the participation of other African countries in the ISSMFE activities. At present, only nine out of the 52 African countries are affiliated with ISSMFE.
3. At the ISSMFE Council Meeting held before this Conference, the name of our Society was changed, with a unanimous vote, into International Society for Soil Mechanics and Geotechnical Engineering (Societé International de Mechanique des Soils et de Geotechnique): ISSMGE. This new name combines our glorious heritage (Soil Mechanics) with a more accurate view of our present professional activities, and optimises a number of conflicting requirements such as:

– reflecting the role that the members play in the world of modern engineering disciplines;
– incorporating new areas of our activity e.g. environmental geotechnique;
– giving due consideration to our Sister Societies [ISRM, IAEG and their area of interest (otherwise, an obvious choice would have been International Society for Geotechnical Engineering)];
– preventing the springing up of new International Societies, Associations, etc., filling the voids left by our previous name.

I have therefore an optimistic outlook on the future of our Society.

One of the problems that the new Board and the President Elect should examine with this respect is that many Member Societies differentiate their National from International Members with only the latter ones associated with ISSMGE. This problem might produce some disparities in the duties but not in the rights of the two categories and might, in future, restrict the growth of our Society. I believe that this question should be carefully examined and in some way regulated by the incoming Board.

Aside from that, we have all the chances to grow if we can seize the new development course conforming to the progressing of engineering areas within our competence.

As a Learned Society our main duties have been so far the following:

1. The organization of Conferences and Symposia, the most significant of which are:

– International Conferences on SMFE: this present venue is the XIV event.
– Regional Conferences on SMFE, each devoted to the status of our discipline in the five continents.

Since 1994 our Society has been organizing on a bi-year basis the International Congress on Environmental Geotechnics (ICEG). The first venue was held in Edmonton (Canada) and the second in Osaka (Japan). The third one is scheduled for September 1998 in Lisbon (Portugal), after which ICEG's will be held on a four-year basis, in the mid-term between the two subsequent ICSMGE's.

Recently, the ISSMFE Board has acknowledged the ICEG's to have the same importance as our International Conferences, giving them the same statute and organization rules. This clearly shows the meaning that the Board and the Council ascribe to the contribution of our Society in the field of environmental engineering. This multidisciplinary area of great social and political relevance opens immense prospect for geotechnical engineers both in practice and in research.

– In addition to the above venues, generally multi-thematic, International Conferences and Symposia devoted to subjects of more confined topics are also held. Usually, they are organized by International or Regional Technical Committees or by National Member Societies and are sponsored by ISSMGE.

However, despite such positive outlook, the incoming President and Board will need all your support and wisdom in reconsidering the future of Conferences and Symposia that our Society organises or sponsors. Basically the key problems related to the organization of our venues can be summarized as follows:

– The frequent overlapping of venues causes a waste of synergies. With this respect there is an urgent need for a better co-ordination within ISSMGE and Sister Societies (IAEGE, ISRM).
– It is high time the format and the effectiveness of our International and Regional Conferences be changed.
– New rules and procedures should be established for the granting of ISSMGE sponsorship to Conferences and Symposia organized by others.

Moreover, the problem of the costing connected to the participation in our Conferences is, in my opinion, the real burning question, especially as far as young engineers and delegates from developing countries are concerned.

The initiative of holding Young Geotechnical Engineers Conference (YGEC) has been continued and has grown stronger during this Boards' term. This successful ISSMFE undertaking, organized on Regional basis, has already been held in all the five ISSMGE Regions. In Europe the YGEC is being organized every year.

Eligible to participate in each YGEC are one or two young researchers designated by each National Member Society and belonging to a given region. At each YGEC three to four senior researchers selected by the regional Vice-President in co-operation with the organizing Com-

mittee also take part. Their role is to act as tutors to stimulate the discussion and the exchange of experience among young geotechnical engineers after the presentations of their researches.

The YGEC's have become an effective way of exchanging experience among young ISSMGE Members and also an opportunity to introduce them to our International Community.

This initiative is to be continued and, if appropriate, even expanded. On request, ISSMGE is ready to support financially the YGEC's organization in each region with a donation of up to 2000 GBP.

2. Another important ISSMGE activity worth being mentioned and fostered is related to our International Technical Committees (TC).

At present, we have 28 TC's. With respect to the situation inherited from the previous Board the following changes have been introduced:

- Three new TC's have been established:
  TC 29: Stress-Strain Testing of Geomaterials in Laboratory,
  TC 30: Coastal Geotechnical Engineering,
  TC 31: Education in Geotechnical Engineering.
- Moreover, the following merging operations between existing Committees have been made;
  TC 3 (Arid Soils) and TC 6 (Expansive Soils have been merged into TC 6 Unsaturated Soils,
  TC 16 (Penetration Testing) and TC 27 (Pressuremeter Testing) have been merged into TC 16 Ground Property Characterization from In Situ Tests.
- Finally, TC 18 (Pile Driving) has been transformed into Pile Foundation, widening its task substantially.

The ISSMGE TC activities cover almost all the strategic areas of the modern geotechnical engineering. Most of them have been very active during the last four years organizing meetings, special symposia and preparing technical reports. Such activities have resulted in relevant benefits to the research, the design and the construction within our field.

I trust that the incoming President and Board, after looking into the present TC's situation will judge that most of them should be continued. Obviously, updated terms of reference will be required to project the ISSMGE TC tasks to the year 2001.

Our Society recognises the importance of an effective and friendly co-operation with the Sister Societies: International Association for Engineering Geology and the Environment (IAEG) and International Society for Rock Mechanics (ISRM).

The outgoing Board, on October 1995, promoted a meeting among the Presidents and the Secretaries General of the three Sister Societies, which was held in Cambridge (UK). During the meeting, the following deliberations were taken:

1. A meeting of the three Presidents should be held every two years.
2. A yearly meeting of the Secretaries General is to be organized.
3. The three Sister Societies have decided to organize, jointly, an International Conference on Geotechnical and Geological Engineering GEO-2000 which will be held in Melbourne in November of the year 2000.
4. The importance of co-ordinating dates and topics of the main Conferences organized by the Sisters Societies has been recognized. The way and rules to pursue this objective have to be set at the next meeting of the Presidents and Secretaries General.
5. The co-operation among the three Societies has been determined, and, for the time being, will involve the possibility for each Society to appoint its own representative who will participate, as a liaison officer, in the other two Societies TC's activities.

Another important initiative, undertaken by the previous Board and continued by the outgoing one, is the recruitment of corporate Members (CM) and their interaction with ISSMGE. At present our Society has 25 CM's whose contributions have raised funds of 18,000 GBP, used to support activities related to the extraordinary budget, particularly for the YGEC's and the Model Library.

Certainly, the consolidation and the expansion of the number of CM's and of their role is worthwhile to be continued. Co-operation with them can bring our activities closer to the needs of the International Community and can be of help in many of our technical and educational activities. However, the problem is to find new forms of interaction with the CM's, making the active participation in the ISSMGE's activities more attractive. Within this framework, the feasibility of the following initiatives might be explored:

1. The participation of a CM's representative in the Board and Council Meetings as an observer.
2. Lectures and courses in developing countries delivered jointly by senior ISSMGE Members and CM's representatives and supported by CM's fund.
3. Special Sessions and Discussion Sessions at International and Regional Conferences to be organized and run by a group of CMs.

Our Society has restored and undertaken on a large scale the Model Library (ML) initiative. This time, thanks also to the courtesy of the French Member Society, to a number of Universities and Academic Institutions all around the world, both an English and a French version, have been donated.

Table 1: ISSMFE model library, English version, year 1995 (25 sets have been donated)

1 - Foundamentals of Soil Behaviour, *J.K. Mitchell, 2nd edit.*
2 - Soil Mechanics, *R.F. Craig, 5th edit.*
3 - Soil Mechanics, Solutions Manual, *R.F. Craig, 5th edit.*
4 - Soil Mechanics in Engineering Practice, *K. Terzaghi, R. Peck and G. Mesri*
5 - Foundation Design and Construction, *M.J. Tomlinson, 6th edit.*
6 - Piling Engineering, *W.K.G. Fleming, A.J. Weltman, M.F. Randolph and W.K. Elson, 2nd edit.*
7 - Mohr Circles, Stress Paths and Geotechnics, *R.H.G. Parry*
8 - Waste Containment Systems, Waste Stabilization and Landfills, *H.D. Sharma and S.P. Lewis*

Table 2: ISSMFE model library, French version, year 1995 (25 sets have been donated)

1 - Eleménts de Mechanique des Sols, *F. Schlosser*
2 - Aide-Mémoire d'Hydraulique Souterraine, *M. Cassan*
3 - Fondations et Soutenements, *auteurs multiples*
4 - Introduction à la Géotechnique, *B. Holtz and W. Kovacs*
5 - Manuel Canadien de Géotechnique, *Sociétè Canadien d'Ingeniérié des Fondations*

Table 3: Recipients* of ISSMFE model library

FRENCH VERSION	ENGLISH VERSION
Algeria, Burkina Faso, Burundi, Central Afrika Republic, Camerun, Ivory Coast, Gabon, Guinea, Madagascar, Mali, Marocco, Mauritius Isl., Senegal, Tchad, Togo, Tunisia, Congo (Zaire).	Bangladesh, Bolivia, China, Costa Rica, Croatia, Ecuador, Estonia, India, Kazakistan, Lithuania, Nepal, Nigeria, Paraguay, Peru, Romania, Russia, Slovenia, Sri Lanka, Sudan

*To some countries more than one set has been donated

The compositions of the English and French versions of the ML's are given in tables 1 and 2, respectively, while table 3 reports the list of recipients. The ceremony of donation consisted in handing the set of books and a special plaque to the recipient. A representative of ISSMFE was present. Figs. 1 and 2 respectively, show the facsimiles of the English and the French ML plaques.

I trust that the ML initiative is pursued, keeping its composition continuously updated.

In the last years ISSMFE has shown a particular attention to the youth and to topics strictly interrelated with them, such as the education in geotechnical engineering. This has resulted in the creation and the subsequent activities of the TC-31, chaired by Prof. H. Poulos, who has co-operated closely with the task force on education set up by the outgoing Board. This important activity is reflected in the fact that, at every important venue of our Society, special workshops or discussion sessions have been organized covering problems such as objectives, prerequisites, undergraduate and graduate curricula, post-graduate programmes and professional training in the area of geotechnical engineering.

I hope that at the incoming venues like regional conferences, ICEG III in Lisbon, XV ICSMGE in Istanbul and GEO-2000 in Melbourne the initiative will also be undertaken to influence in a positive manner the evolution of geotechnical engineering education.

Another initiative undertaken by the outgoing Board within this field is the feasibility of setting up a Soil Mechanics Heritage Museum as a testimony of our legacy and aimed at fostering the interest of students and young geotechnical engineers in our discipline.

The objective of this initiative brought to the Board by Prof. W. Van Impe is to collect laboratory, field and educational apparatuses used in the past in soil mechanics. The incoming President and Board will have the task to confirm the positive attitude of the ISSMGE with respect to the Heritage Museum and to define the initial and running costs as well as to select the host country.

Coming to the end of my presentation I would like to express my optimistic view about the future development of our Society. We are requested to make Geotechnical Engineering continuously progressing, to be able to meet the new demands of the third millennium global Society. Such a goal will require from ISSMGE a comprehensive and continuos fulfilment of the following objectives:

1. Divulgate the knowledge in geotechnical engineering and reduce the gap between research and applications.
2. Make every possible effort for a better involvement of growing countries in the ISSMGE activities.
3. Intensify the co-operation with Sister Societies, pursuing a possible, future merging.

Overall, we must do our best to become more beneficial and attractive to the components of a globalized society.

Such activities, as well as other new ones that our Society may undertake in the future, require a good image, organization, co-operation and the support of all our Member Societies, in addition to funds, which is the next issue I will address.

The ISSMGE financial situation appears at present satisfactory and may be summarized as follows, referring to the ISSMFE 1996 budget:

- ordinary budget, surplus 27,200 GBP
- extraordinary budget, deficit 4,600 GBP
- accumulated surplus 382,104 GBP.

However, in future such situation can worsen in relation to the planned expansion of the ISSMGE activities, especially those related to the extraordinary budget, i.e. ISSMGE news, YGEC's, Model Library, etc. which are essential to the Geotechnical Community and to the image of our Society. Other possible causes for a downtrend in the accumulated surplus can arise from a decrease of the income from Conferences (ICSMGE, ICEG) and currency fluctuation keeping in mind that fees are paid in SFR. while expenses are in GBP.

In order to counterbalance such a possible adverse financial scenario the following steps can be undertaken:

- Explore all the means to reduce, or at least keep constant, the present costs of running our Society.
- Raise, possibly selectively and moderately the ISSMGE Member Societies fee. With this respect, it should be noted that the present fee has been set in 1992.
- Attract more Corporate Members whose funds are of great help in supporting the Society activity related to the extraordinary budget.

At the conclusion of my talk I apologize for any excessive red tape involved, I did not mean to be too official. Nevertheless, I once more want to point out that ISSMGE, while approaching the third millennium is a healthy, Learned Society that must strive against a number of problems on whose solution might strongly depend our destiny.

At this point it is my duty and great pleasure to express my heartfelt thanks and sincere appreciation to the Members of the outgoing Board and to the Secretary General for the effective work we did together, always performed in a friendly atmosphere and my best wishes for a successful and rewarding work to the President Elect and the incoming Board during the term 1997-2001.

To you all I wish an enjoyable Conference and a lovely time in the fascinating city of Hamburg.

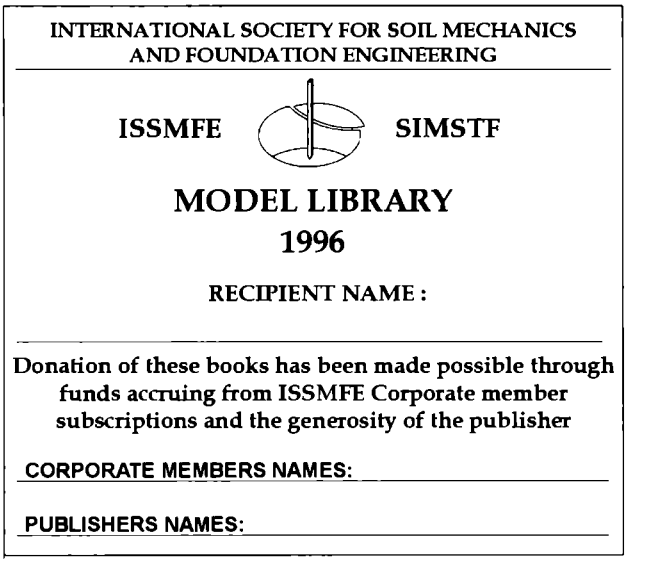


Fig. 1: Plaque of English version of the model library

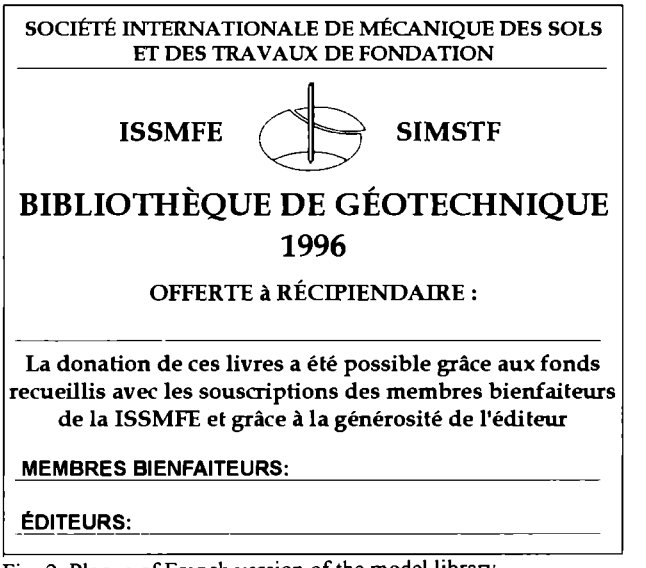


Fig. 2: Plaque of French version of the model library

Closing and farewell address

Discours de clôture et d'adieu

Walter Wittke – *Chairman of the German Geotechnical Society*
Président de la Société Géotechnique Allemande

Ladies and Gentlemen!

Now we have come to the end of our Conference. We have been having eventful days which offered an excellent programme, marked by a high scientific standard.

We will be having the reception by the Senate of the free and hanseatic city of Hamburg at the town hall and the closing banquet at the chamber-of-commerce. I am very much looking forward to both events.

We will also have the excursion to Berlin and to the river Rhine as well as the ones here in Hamburg. These will round-off and phase-out our successful Conference.

Prof. Jamiolkowski, let me give my thanks to you for the excellent programme of this Conference which you, with the support of Prof. van Impe and Dr. Parry, created and which was manned by you with excellent "Persons on the Stage".

I also want to give my thanks to you, gentlemen, who have accepted the invitation to act as invited lecturers, chairmen, theme lecturers, discussion leaders and panellists and who have greatly helped to shape this Conference. You have plainly succeeded in presenting our entire specific scientific field of engineering and in deepening it by discussions. We all, who work in the field of research, lecture and as practitioners shall profit from the results.

And let me give my thanks to all of you who participated in this Conference by contributing with your discussions and who came the long way to Hamburg.

I give my thanks to the organisers of this event, this especially so to CPO Hanser Service. Your team has done an excellent performance, Mr. Hanser.

My thanks go out to the Congress Centre Hamburg (CCH) for the disposal of these facilities in which we were completely at our ease.

Let me also say "thank you" to the students, coming from the technical university of our colleague, Prof. Rodatz in Brunswick, for giving such an admirable support in their diverse functions. They have done an excellent job and I do hope that they, too, will have profited from the knowledge gained during this Conference for their future employments.

And I especially want to thank the interpreters, headed by the chief-interpreter, Mrs Braunstein. Just like many of my colleagues, I had the opportunity to verify the excellency of the simultaneous translations of the lectures and discussion sessions. Thank you, ladies and gentlemen, in your interpreter's cabins.

And, last but not least, I should like to cordially thank the General Secretary of our Society, Mr. Thiel, and the ladies and gentlemen of the DGGT-offices for the efficient preparation of the Conference. Mr. Thiel is a retired General of the German Army. Thanks a lot, Mr. Thiel.

Ladies and gentlemen, with these last words I will close this Conference. I wish you all very pleasant days and experiences here in Germany and, after that, a nice trip home! Thank you very much!

Minutes of the Council Meeting of the International Society for Soil Mechanics and Foundation Engineering held in The Nile Hilton Hotel, Cairo, Egypt

Procès verbal de la réunion du conseil de la Société Internationale de Mécanique des Sols et des Travaux de Fondation tenue à l'hôtel Hilton du Nil au Caire

10 December, 1995 0830 - 1230 hrs
1400 - 1800 hrs

PRESENT:

Prof M Jamiolkowski - ISSMFE President
Prof M K El-Ghamrawy - ISSMFE Vice-President Africa
Mr M C Ervin - ISSMFE Vice-President Australasia
Prof W F Van Impe - ISSMFE Vice-President Europe
Prof L Valenzuela - ISSMFE Vice-President South America
Mr V Milligan - ISSMFE Vice-President North America
Prof T Kimura - Board Member
Prof F Schlosser - Board Member
Dr R H G Parry - Secretary General ISSMFE

Prof S Sakurai - President ISRM
Prof P Marinos - President IAEG
Mr R Termaat - Chairman ISSMFE TC15 on Peat

Member Society	Voting Member	Non-Voting Member
Argentina	Prof Luis A P Valenzuela*	
Australia	Prof Mark Randolph	
Austria	Prof E Dembicki*	
Bangladesh		
Belgium	Prof W F Van Impe*	
Bolivia		
Brazil	Dr Sussumu Niyama	Prof Marcus P Pacheco
Bulgaria	Prof W F Van Impe*	
Canada	Mr John L Seychuk	
Chile	Prof Luis A P Valenzuela*	
China	Dr Sung Wan Hong*	
Colombia	Prof Luis A P Valenzuela*	
Costa Rica		
Croatia	Prof F Schlosser*	
Czech & Slovak R's	Prof Ivan Vanicek	
Denmark	Prof Jørgen Steenfelt	
Ecuador	Prof Luis A P Valenzuela*	
Egypt	Prof F M El-Nahhas	Prof A H El-Ramli
Estonia		
Finland	Mr Hans Rathmayer	
France	M. Michel Londez	M. Samuel Amar
Germany	Prof W F Van Impe*	
Ghana		
Greece	Dr S Cavounidis	
Hungary	Dr József Mecsi	
Iceland	Prof Jørgen Steenfelt*	
India		
Indonesia		
Iran		
Ireland		
Israel	Mr Carl Redel	Dr Arnon Harash
Italy	Prof W F Van Impe*	
Japan	Prof Osamu Kusakabe	
Kenya		
Korea R	Dr Sung Wan Hong	Dr Sooil Kim
Latvia		
Lithuania		
Mexico	Ing Guillermo Springall	
Morocco	Mr Ejjaaouani	
Nepal		
Netherlands	Mr Beetstra	Mr F B J Barends
New Zealand	Mr Max Ervin*	
Nigeria		
Norway	Mr Hans Rathmayer*	

Pakistan	Dr Ooi Teik Aun*	
Paraguay	Dr Sussumu Niyama*	
Peru		
Poland	Prof E Dembicki	
Portugal	Prof C Dagamar	
Romania	Prof Ion Stanculescu	Prof Iacint Manoliu
Russia		
Slovenia	Mr Janko Logar	Mr Bojan Majes
South Africa	Dr K Schwartz	
S E Asia	Dr Ooi Teik Aun	
Spain	Prof S Uriel	
Sri Lanka		
Sudan		
Sweden	Mr Bo Berggren	
Switzerland	Dr Ergün Togrol*	
Syria		
Tunisia		
Turkey	Dr Ergün Togrol	Mr Ufuk Ergun
U K	Dr Hugh St John	
U S A	Dr Ronald E Smith	Mr Harvey E Wahls
Venezuela	Dr Sussumu Niyama *	
Vietnam	Prof Tsutomu Kimura*	
Yugoslavia		
Zimbabwe		

* denotes Proxy Vote

APOLOGIES:

Prof N R Morgenstern	- Past President ISSMFE
Prof A S Balasubramaniam	- ISSMFE Vice-President Asia
Dr Kaare Höeg	- Board Member
Prof M Fukuoka	- ISSMFE Past President
Prof N Krebs Ovesen	- Danish Geotechnical Institute
Mr Hans L Jessberger	- Chairman TC5 on Environmental Geotechnics
Mr D W Hight	- Chairman TC24 on Soil Sampling
Mr R Jewell	- Chairman TC26 on Calcareous Sediments
Dr Sam Thorburn	- Chairman TC20 on Professional Practice

INTRODUCTION

1. The President opened the meeting at 8.45 am and welcomed Member Society delegates and invited participants. He welcomed particularly the presence of Professor P Marinos, President of IAEG, and Professor Sakurai, President of ISRM.

QUORUM

2. A roll call at the start of the meeting showed 26 voting delegates to be present and 19 proxy votes. As 50 Member Societies were entitled to vote the requirement under statute 12K that one-third, that is 17 voting delegates, should be present for general business was met. The meeting was not quorate for voting on changes of statutes, as statute 12K requires that at least two-thirds of Member Societies entitled to vote should have delegates present. By-law 121 states that proxy votes cannot be counted towards a quorum.

MEMBERSHIP

3. The Secretary General reported that the membership of ISSMFE on 31 August 1995 (Appendix 1) was 16,667 in 68 Member Societies, which compared with 16,743 members in 65 Member Societies reported to the Council Meeting held in New Delhi, 4 January 1994. Since that date Yugoslavia has renewed its membership with 29 members, Sri Lanka and Nepal have joined as new Member Societies with 34 and 15 members respectively. Kazakhstan has submitted papers applying for membership and enquiries have been received from Azerbaijan. Four Member Societies are at least 4 years in arrears with their payments: Ghana, Kenya, Nigeria and the Sudan. ISSMFE now has 18 Corporate Members who are paying annually and 7 who who have paid for 5 years (Appendix 1). In February 1995 a letter was sent out by the President to 52 international companies and organisations inviting them to become Corporate Members of ISSMFE.

REGIONAL REPORTS BY VICE-PRESIDENTS

4. Brief summaries of their Regional Reports were given by tne Vice-Presidents (Appendix 2A-F).

5. Mr Valenzuela reported that South America now had 10 Member Societies of ISSMFE, 9 of which also represented ISRM. It was likely that Uruguay would also be applying for membership soon. The 10th Panam Conference in Guadalahara had been a success and the Regional Council Meeting held in Guadalahara had decided that the 11th Panam Conference should be held in Brazil with support from Argentina and Paraguay. South America had two Regional Technical Committees, on Landslides, hosted by Colombia, and on Weak Rocks, in which Argentina, Brazil and Paraguay were active members. It had been agreed by nine of the South American Member Societies to revive the Regional Journal "Solos y Rochas", to be produced in Brazil in Spanish, Portuguese and English.

6. Although North America had only three Member Societies, Dr Milligan pointed out that these represented 4600 members of ISSMFE, a number which he expected to increase in the future. The 1st International Congress on Environmental Geotechnics held in Edmonton in 1994 had been successful, but with slightly disappointing attendance, which had also been the case with an ASCE sponsored conference on a similar topic held in New Orleans. *Geotechnical News* was providing the means of growing interchange within the region and, in particular, there would be increasing input by Mexico in the future. Dr Milligan confirmed that the 10th Panam Conference in Guadalahara had confirmed that the 10th Panam Conference in Guadalahara had been a warm and fruitful occasion and that 1997 would be a special year for the Canadian Geotechnical Society, which would be celebrating the 50th Anniversary of its annual conference.

7. Professor Van Impe reported that Europe now had nearly 7300 members of ISSMFE in 29 Member Societies, and

5 Corporate Members. He expressed concern at the number of symposia and similar events being held each year, many on closely related topics, with environmental geotechnics and unsaturated soils proving particularly popular. He thought the success of the YGEC in Ghent in 1995 had been due in part to the concentration on a single topic. The next European YGEC, in 1996, would be in Turkey. there were eight European Technical Committees with a total membership of about 120. Some of these ETCs had meetings on the occasion of the XI ECSMFE held in Copenhagen in 1995. The 3rd International Congress on Environmental Geotechnics would be held in Portugal in 1998.

8. Mr Ervin said that the two Member Societies in the Australasian Region represented 650 members, some of whom were also active in other Pacific Countries. Both the Australian and New Zealand Member Societies were also affiliated with IAWF and ISRM. The 7th ANZ Geomechanics Conference would be held in Adelaide in July 1996, with the theme "Geomechanics in a Changing World". There would be one session on environmental geomechanics. The 2nd Australian YGEC was held in Auckland 29 Nov - 2 Dec, 1995. Mr Ervin advised that the New Zealand Geomechancs Society would be changing its name to the New Zealand Geotechnical Society.

9. As Professor Balasubramaniam was unable to be present at the meeting a brief summary of his report was given by Professor Kimura, who reported that Nepal and Sri Lanka had recently become Member Societies of ISSMFE, making a total now of 14 Member Societies in the Asian Region. An application for membership had been submitted by Kazakhstan, which had two observers at the present Council Meeting. Offers to host the XI Asian Regional Conference in 1999 had been received from Indonesia and Korea, and delegates to the Regional Council Meeting in Beijing had voted in favour of Korea. The Third Asian YGEC will be held in Singapore in 1997, with Japan contributing one-third to the costs. At present there were four Asian Regional Technical Committees all hosted by Japan.

10. Professor El-Ghamrawy emphasised the fact that of the 52 countries in Africa, only 9 were members of ISSMFE, and of these only 3 or 4 were active. The major problems in Africa were finance and communications. The Model Library and visits by leading geotechnical engineers would be helpful. With the assistance of M. Gambin, he was making a particular effort to attract more francophone countries to become members of ISSMFE. The French Language Model Library being compiled by Professor Schlosser would help in this. As yet there were no African Regional Technical Committees, but there were plans to set up a Technical Committee on Heritage.

REGIONAL CONFERENCES

11. Stressing the growing importance of Regional Conferences and the need to strengthen their organisational arrangements, the President put the following motion to the meeting:
"Regional Conference Advisory Committees (RCAC) should be set up for future Regional Conferences, consisting of the Vice-President in offices at the time of awarding the conference (i.e. the outgoing Vice-President), the Vice-President in office at the time of the conference (i.e. the incoming Vice-President), the Secretary General and two members of the Conference Organising Committee. The incoming Vice-President will join RCAC as soon as the name of the person is known. For the Pan American Conferences both incoming Vice-Presidents will become members of the RCAC, in addition to the outgoing Vice-Presidents".

12. In discussion on this motion Professor Togrol suggested that someone from the Organising Committee of the previous Regional Conference should be on the RCAC. An opinion Professor Steenfelt said he shared. Professor Steenfeld also asked how the RCAC would be financed and what was the exact role of the RCAC. The President pointed out that while he was against including a member from the previous Conference Organising Committee, continuity would be assured by the outgoing Vice-President. He said the role of the RCAC would be similar to that of the CAC for International Conferences as defined under By-law 14A.1. In order to keep costs to a minimum the Secretary General said much of the work of each RCAC should be done by correspondence, although there should be at least one meeting, if possible, financed by the Organsing Committee.

13. A vote taken on the motion following this discussion gave the following result:

Yes	32
No	8
Abstentions	0

Thus, the motion was carried.

VENUE OF XV ICSMFE 2001

14. Invitations to host the XV ICSMFE to be held in 2001 were presented by Australia, Japan and Turkey. A secret vote was then taken to decide the venue, with the following results:

	1st Vote	2nd Vote
Australia	15	22
Japan	8	
Turkey	22	23

The XV ICSMFE will therefore be held in Istanbul in 2001.

15. The President congratulated Turkey and commented on the high standard of all three presentations, and hoped that Australia and Japan would try again for the 2005 ICSMFE.

16. The President also informed the meeting that the three Sister Societies, IAEG, ISRM and ISSMFE, were planning to hold a joint Congress, covering topics of common interest, to mark the year 2000. Invitations to host this event would be sent to Australia, France, Germany, Japan, the Nordic countries, UK and USA, but he thought it might be appropriate to give priority to Australia if they wished to hold it.

17. Professor Togrol thanked the meeting for its decision and issued a warm invitation to visit Istanbul in 2001.

REPORT ON XIV ICSMFE, HAMBURG, 1997

18. A written report on the XIV ICSMFE was submitted to the meeting by Professor Wittke, Chairman of the Organising Committee (Appendix 3). Details of the technical programme for the XIV ICSMFE to be held in Hamburg, 11-16 September 1997 were presented by the President. There would be 6 Plenary Sessions, viz:

a. Soil Testing and Ground Property Characterisation.
Theme Lecturer - Professor Tatsuoka.

b. Recent Developments in Foundation Techniques.
Theme Lecturer - Professor Van Impe.

c. Retaining Structures and Excavated Slopes.
Theme Lecturer - Professor Nussbaumer.

d. Underground Works in Urban Environment.
Theme Lecturer - Dr Mair.

e. Soil Improvement and Reinforcement.
Theme Lecturer - Professor Schlosser.

f. Waste disposal and Contaminated Sites.
Theme Lecturer - Professor Daniel.

The six plenary sessions would generate 16 discussion sessions, each of which would have a discussion leader and 4 panelists. Two workshops would be held, on Education and on Professional Practice, and the programme would include a Momentous Session chaired by Professor Morgernstern, with contributions by Dr Hoeg, Professor O'Neill, Dr Za-Chieh Moh and a German engineer to be named. The Terzaghi Oration would be given by Professor Kenji Ishihara on *Geotechnical Aspects of the Kobe Earthquake*, and the Heritage Lecture would be given by Professor W Wittke on *Developments in Geotechnical Engineering in Germany*. Invited lectures would be given by Professor Neils Krebs Ovesen and Dr Tamez. It was expected that the fee for early registration would be about US$600, and US$720 for late registration.

REPORT ON 2ND ICEG, OSAKA, 1996

19. The written report prepared by Professor Kamon (Appendix 4) was summarised by Professor Kusakabe, who said that a CAC meeting, chaired by Professor Van Impe had been held in Kyoto on 23 April 1995. The four-day programme comprising 9 technical sessions was set out in Table 3, and all invited speakers listed in Table 4 had accepted to speak. As shown in Table 1, 296 abstracts had been received from 38 countries, of which 276 had been accepted. So far 110 full papers had been received. The Proceedings would be published by Balkema in 3 volumes. Bulletin 2 would be available in April 1996. The registration fee will be US$450 and target attendance was 400 to 500 delegates.

20. The President explained that in view of the need to make urgent decisions regarding the holding of the early ICEGs and establishing the series, the Board had decided on the venues of the 1st ICEG in Edmonton in 1994 and Osaka in 1996. It had also, on the previous day and by secret vote, selected Portugal as the venue for the 3rd ICEG in 1998. The other countries offering to host the 3rd ICEG had been Austria, Finland and France. However, it was the Board's view that the importance of the ICEG series was such that it should be in future treated in the same manner as the long established ICSMFE series. He thought that there would be a transition to 4 years between these conferences, rather than the present two years and, in reply to a query by Dr Togrol, said it was not certain, but likely, that the 4th ICEG would be held in 2002. He then presented to the meeting the motion:
"Statutes 14A-D and By-laws 14A.1, 14A.3, 14B.1-2 and 14D.1-5 governing International Conferences will also apply to the series of International Congresses on Environmental Geotechnics (ICEG)".
There was no discussion on this motion. It was carried with no votes against and no abstentions.

TECHNICAL COMMITTEE ACTIVITY

21. In view of the fact that there were now 29 Technical Committees, which played a very important part in ISSMFE activities, with many of them involved for example in the programme for the XIV ICSFME in Hamburg, the President said he would have to confine himself to some brief comments on a limited number of them. Short written reports had been received from a number of the TC Chairmen.

22. He observed that TC2 on Centrifuge now had a well established series of international conferences. TC4 on Earthquake Geotechnical Engineering is participating in special symposia and workshops, as well as Eurocode 8. TC5 on Environmental Geotechnics has a special strategical role and is involved in an important Plenary Session at the XIV ICSMFE. TC8 on Frost is planning a Special Symposium at Lulea in Sweden. TC10 on Geophysical Site Characterisation, in cooperation with TC16 on Ground Poperty Characterisation from In-Situ Tests and TC24 on Soil Sampling, is planning for the International Conference on Site Characterisation from In-Situ Tests to be held in Atlanta, 1998. TC11 on Landslides is involved with the Landslides Conference in Trondheim in 1996 and TC19 on Preservation of Historic Sites is planning a Symposium in Naples in 1996. TC22 on Indurated Soils and Soft Rocks is planning a Symposium to be held in France or Italy. TC23 on Limit State Design held a Symposium in Copenhagen in 1993 as well as participating in the XI ECSMFE in Copenhagen 1995 and in the XIV ICSMFE in Hamburg in 1997. TC26 on Calcareous Sediments is planning a 2nd Symposium on Calcareous Soils. TC28 on Underground Construction in Soft Ground is co-sponsoring a Special Symposium in the UK in April 1996 and will be strongly involved in the XIV ICSMFE. TC29 on Stress-Strain Testing of Geomaterials in the Laboratory held an important Symposium in Sapporo in 1994 and, with BGS, is planning a Symposium in Print to be published in *Geotechnique*. TC30 on Coastal Geotechnical Engineering is planning a 2nd Geocoast Conference, the first having been held in Yokohama in 1992. TC31 on Education in Geotechnical Engineering was strongly involved in a session in the XI ECSMFE in Copenhagen and will also be strongly involved in a Special Workshop in Education to be held during the XIV ICSMFE in Hamburg in 1997.

23. Mr Valenzuela said that TC7 on Tailings Dams was co-sponsoring with ICOLD a Tailings Dam Symposium in Santiago in October 1996, and would also be making contributions to the 2nd ICEG in Osaka in 1996 and to the XIV ICSMFE in Hamburg 1997. Professor Van Impe said that TC18 on Pile Foundations with Dr Karlsrud, in cooperation with ETC, would be holding a workshop in March/April 1996. Referring to TC31 on Education in Geotechnical Engineering Professor Manoliu said that a Session in Education had been held at the Danube Conference in Romania, in which 20 countries had participated. The activities of TC15 on Peat and Organic Soils was summarised by Dr Beetstra: A meeting of the committee had been held on the occasion of the XI ECSMFE in Copenhagen in 1995 and another meeting was scheduled in Delft in March 1996. A Special Conference would be held in Japan in 1998 and work was proceeding on a manual for construction on organic soils.

24. Replying to a comment by Professor Steenfeltthat some TC reports had not been very informative, the President said that all Member Societies had received a booklet with Terms of Reference and Membership for all Technical Committees. A special synthesising report will be prepared for the next Council Meeting. He mentioned in addition that all Member Societies had received from him a letter seeking a more rational approach to assist the incoming President in setting up Technical Committees, the principal points of which were that, 6 months before the next International Conference, Member Societies should
    (a) if they were hosting a TC, indicate if they wished to continue with this
    (b) submit new names they wished to have added as members to the existing Technical Committees and
    (c) submit any proposals they may have for new Technical Committees, or for merging existing Technical Committees.

25. The President added that in the meeting with the Presidents and Secretaries General of IAEG and ISRM in Cambridge on 20 October 1995 it was agreed that where there were similar or parallel Technical Committees/ Commissions of the other Society/Societies.

COMMUNICATIONS

26. In presenting his report on Communications (Appendix 5), Mr Ervin said that the President had charged his Task Force with 3 matters for consideration:

    (a) Setting up a Database of Databases

(b) Examine existing Information Retrieval Systems and explore possibility of access by ISSMFE on Favourable terms

(c) General communications.

27. He informed the meeting that ISSMFE had loaned US$5000 to the Geotechnical Engineering International Resource Centre (GE-IRC) based at AIT in Bangkok to develop a database of databases. The loan would be repaid from the profits from the sales of the list of databases. Although their present list of 40 databases was incomplete, it had been agreed by the Board that this list, with some additions, should now be made available in diskette or hard copy form. It should be possible to produce a brochure to distribute to all Member Societies in about 6 months.

28. Discussions were taking place with the Swedish Geotechnical Institute regarding the possibility of a special arrangement for ISSMFE Members to access the SGI-Line Information Resource System. This system, which appeared to be the most comprehensive available, has 42000 entries in electronic form and 40000 in card form. ISSMFE could put in seed money, for example to transfer the card entries to electronic form, and ISSMFE sponsored publications could be made available free of charge to SGI. Access could be by CD-ROM or possibly through the Internet. Members would be kept informed through ISSMFE News of progress with these discussions and a full report would be submitted at the Council Meeting in Hamburg in 1997.

29. Mr Ervin said he recommended that ISSMFE News should continue in its present form for the immediate future. Eventually consideration might be given to ISSMFE having a Homepage on the Internet.

EDUCATION

30. In summarising his report on the work of the Task Force on Education (Appendix 6) Professor Van Impe said close cooperation was being maintained with TC31 on Education in Geotechnical Engineering, chaired by Professor Poulos. Meetings of workshops in Education had been held in 1995 at the XI ECSMFE in Copenhagen and at the 10th Danube Conference in Romania. A questionnaire sent around to Universities in Europe had provided a considerable amount of information which he had tabulated. He could provide this information on request. The Task Force and TC31 would be responsible for an important Session on Education to be held at the XIV ICSMFE in Hamburg in 1997.

PUBLICATIONS

31. Dr Milligan explained that although the previous Task Force had recommended that ISSMFE should set up a cooperative arrangement with a publisher, the present Task Force did not agree with this. However, the possible alternatives would be investigated further and a report prepared for the Council Meeting in Hamburg in 1997.

TECHNOLOGY TRANSFER

32. Although there had ben no further work on this recently, Professor Kimura said that he hoped it would be possible to revise, in time for the 1997 Council Meeting, the list of donors and possible recipients prepared by the previous Task Force of Professor Ishihara and Professor Smoltczyk.

RELATIONS WITH IAEG AND ISRM

33. The Secretary General reported that a meeting of the Presidents and Secretaries General of IAEG, ISRM and ISSMFE had been held in Cambridge on 20 October 1995. It was decided not to pursue further at this stage a common database for the three Societies. Professor Jamiolkowski had explained at the meeting that there was a strong feeling in ISSMFE that it should change its name to the International Society for Soil Mechanics and Geotechnical Engineering, retaining Soil Mechanics in the name to try and avoid a clash with the Sister Societies. This name change was necessary to reflect fully the activities of the members of ISSMFE. Professor Sakurai expressed a strong concern about the effect this name would have on the membership of ISRM. A proposal by Professor Jamiolkowski that the three Sister Societies should jointly sponsor a major conference in the year 2000 was warmly accepted and procedures for deciding upon a venue were resolved. It was concluded that the Secretaries General should meet about every two years and that there should be a combined meeting of the Presidents and Secretaries General in 1998. Procedure for cross participation in Technical Committees or Commissions between the three Societies were agreed.

NAME OF SOCIETY

34. Introducing this item the President explained that the previous Board had recommended in its meeting in Athens in 1993 that the present Board should give consideration to changing the name of the Society to reflect better the wide ranging activities of the members. The present Board at its meeting in Edmonton in 1994 concluded that, having regard to the need to avoid a clash with ISRM and IAEG, the new name should be the International Society for Soil Mechanics and Geotechnical Engineering. This name preserved the heritage of the Society by including the term Soil Mechanics, while reflecting the present scientific and professional activities of the members in the term Geotechnical Engineering.

35. In summary 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.

36. In response to a letter sent by the President 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.

37. Mr Seychuck asked what assurance there was if ISSMFE adopted the proposed name that another Society would not adopt the name International Society for Geotechnical Engineering. The President replied that the proposed name took account of the interests of our Sister Societies and that it was necessary to rely on goodwill between Societies.

38. The President of ISRM, Professor Sakurai, said he opposed the proposal because the inclusion of the general term "Geotechnical Engineering" in the new name could cause inconvenience to the other Sister Societies. If the new name was adopted the scope of the activities of the Society should be made clear in the statutes so as not to cause any such inconvenience.

39. While recognising that the proposed new name was a compromise the President of IAEG, Professor Marinos said that the Council of IAEG had resolved that "Geotechnical Engineering" was an umbrella term. He felt that its inclusion in the new name could lead to some confusion.

40. Support for the new name was expressed by Professor Togrol who felt it could lead to closer cooperation between the Sister Societies.

41. Dr Milligan strongly endorsed the views of the President of ISSMFE and expressed a heartfelt feeling that there could eventually be a single Society incorporating all the interests of the Sister Societies. The proposed name change could be a step in that direction. No change of name at this time would be a negative step.

42. Although a motion was put to the meeting 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. As 50 Member Societies were entitled to vote, a quorate meeting (Statute 12K) required two-thirds of this number, that is 34 Member Societies to have delegates present, as proxy votes do not count towards a quorum (By-law 12K.1). Only 27 Member Societies had delegates present at the meeting.

MODEL LIBRARY

43. The Secretary General reported that a small task force with Professor John Burland as co-ordinator was set up by the President to select suitable books to form a model library for sending to undergraduate teaching establishments in developing countries. After consideration of books suggested by the task force, the Board selected the following books to make up the Model Library:

Foundation Design and Construction (6th Edition) by MJ Tomlinson, publ. Longman, Scientific and Technical.

Soil Mechanics in Engineering Practice by Terzaghi and Peck (New Edition prepared by Peck and Mesri).

Fundamentals of Soil Behaviour by JK 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 RF Craig, publ. Chapman and Hall.

Piling Engineering by Fleming, Weltman, Randolph and Elson, publ. Blackie Academic & Professional.

Mohr Circles, Stress Paths and Geotechnics by RHG Parry publ. E and FN Spon.

44. The publishers and authors had been contacted to obtain 25 copies of each of these books at a favourable price. The reduction offered ranged from 15% off the full retail price to free copies of the books. Most of the books were now to hand.

45. Vice-Presidents had been asked to obtain names of suitable undergraduate teaching institutions in developing countries in their Regions which would be suitable recipients for the model library. The Secretary General invited any delegates who knew of suitable recipients to give these names to the Vice-President of their Region. It is proposed that the books should be handed over in a small ceremony to the recipients by a senior member of the Member Society.

MERCER LECTURE

46. The Secretary General informed the meeting that the next series of Mercer Lectures would be given by Professor Fumio Tatsuoka. One of the presentations of the lecture would be given on the occasion of the Euro Geo Conference in Maastricht between 30 September and 20 October 1996. He did not know the venues or dates of the other two presentations.

AUDITED ACCOUNTS 1993/94

47. The audited ISSMFE accounts for 1993/94 (Appendix 7) were presented by the Secretary General, together with his reports on these accounts. Comparison of receipts and expenditures with budgeted amounts were also given (Appendix 7). As the Board had asked that the Budget should be divided into Ordinary (administrative) items and Extraordinary (other) items, he had also made this separation in comparing accounts and budget items for 1994.

48. The accounts were audited by Coopers and Lybrand, Chartered Accountants and Registered Auditors.

49. The ISSMFE Budget for 1995-7 (Appendix 8) was summarised by Professor Van Impe. It was divided into an Ordinary Budget and Extraordinary Budget. In the Ordinary Budget income and expenditure were expected to be maintained at about present levels. In the Extraordinary Budget the Corporate Members subscription of £4000 allowed for the fact that some Corporate Members had already paid for 5 years. It was expected that the present Model Library scheme would be completed in 1996, so no expenditure for this item was shown in 1997. Conference income of £30000 shown for 1997 was in anticipation of revenue from the XIV ICSMFE in Hamburg and the 2nd ICEG in Osaka. A substantial payment of £10000 was allowed for producing a List of Members in 1997. It was expected that the combined surplus for the Ordinary Budget and Extraordinary Budget would be maintained approximately level over the period 1995-7. In reply to a question by Mr Ervin, Professor Van Impe said that a reduction of £7500 had been made for office costs as it was not expected that the ISSMFE Secretariat would have to pay office rental costs over the budget period.

SECRETARIAT

50. The President informed the meeting that Dr Parry had expressed a wish to retire from the post of Secretary General of ISSMFE at a convenient time a few months after the XIV ICSMFE in Hamburg to be held in September 1997. The British Geotechnical Society, in cooperation with the Institution of Civil Engineers, were preparing a proposal for the Secretariat to continue in the UK after Dr Parry retired. However, it was open to other Member Societies to submit proposals to host the Secretariat if they wished to do so. Any proposals which are submitted will be discussed at the ISSMFE Board Meeting to be held in Santiago in October 1996, and these discussions should lead to the present Board preparing a recommendation on the future of the Secretariat to be passed on to the incoming President, who will take office immediately following the XIV ICSMFE in Hamburg in September 1997. The decision on the future of the Secretariat will be made by the incoming President in consultation with the new Board.

VOTE OF THANKS

51. A vote of thanks to the Egyptian Society, and to Professor El-Ramli and Professor El-Ghamrawy in particular, for their kind hospitality, proposed by Professor Togrol, was greeted with warm acclamation. Thanking delegates for their attendance, the President then closed the meeting.

APPENDIX 1

ISSMFE MEMBERSHIP TABLE - 30th AUGUST, 1995

Societies	Members	Africa	Asia	Australasia	Europe	N America	S America
Argentina	93						93
Australia	385			385			
Austria	74				74		
Bangladesh	55		55				
Belgium	78				78		
Bolivia	13						13
Brazil	228						228
Bulgaria	52				52		
Canada	889					889	
Chile	35						35
Colombia	32						32
Costa Rica	58						58
Croatia	43				43		
Czech & Slovak Republics	43				43		
Denmark	275				275		
Ecuador	32						32
Egypt	20	20					
Estonia	30				30		
Finland	240				240		
France	746				746		
Germany	1517				1517		
Ghana	33	33					
Greece	139				139		
Hungary	84				84		
Iceland	10				10		
India	430		430				
Indonesia	70		70				
Iran	58		58				
Ireland	45				45		
Israel	74		74				
Italy	428				428		
Japan	1206		1206				
Kenya	21	21					
Korean R	84		84				
Latvia	31				31		
Lithuania	40				40		
Mexico	180					180	
Morocco	12	12					
Nepal	15		15				
Netherlands	325				325		
New Zealand	220			220			
Nigeria	58	58					
Norway	340				340		
Pakistan	80		80				
Paraguay	17						17
Peru	25						25
Poland	128				128		
Portugal	108				108		
Romania	53				53		
Russia	356				356		
Slovenia	31				31		
South Africa	660	660					
S E Asia	406		406				
Spain	230				230		
Sri Lanka	34		34				
Sudan	25	25					
Sweden	517				517		
Switzerland	264				264		
Syria	12		12				
Tunisia	30	30					
Turkey	57				57		
UK	963				963		
USA	3537					3537	
Venezuela	37						37
Vietnam	18		18				
Yugoslavia	29				29		
Zimbabwe	103	103					
Total	16667	962	2648	605	7276	4606	570

ISSMFE CORPORATE MEMBERS

24 Members - 30th August, 1995

Agra Earth & Environmental Ltd, CANADA
Bauer Spezialtiefbau GmbH, GERMANY
China Engineering Consultants, Inc., TAIWAN
China Harbour Engineering Company (Hong Kong), H K
Concrete Engineering Products Berhad, MALAYSIA
Dredging International N.V., BELGIUM
Entrecanales y Tavora, S.A., SPAIN
Fujita Corporation Technical Research Institute, JAPAN
GEI Consultants, Inc., USA
Geo-Research Institute, JAPAN
Golder Asociates 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
Pilecon Engineering BHD, MALAYSIA
Protekt, UKRAINE
Sinotech Engineering Consultants, Inc., TAIWAN
Sir Alexander Gibb & Partners Ltd., UK
STS Engineering Consultants Co., Ltd, THAILAND
Terre Armee Internationale, FRANCE
Tokyu Construction Co., Ltd., JAPAN

APPENDIX 2A

REPORT ON THE ACTIVITIES IN THE SOUTH AND CENTRO AMERICAN REGION 1994-1995

L VALENZUELA

1. ISSMFE Membership

The South and Centro American region includes 10 countries registered as national groups of the ISSMFE:

	Members*	ISSMFE	ISRM	IAEG
Argentina	93	Yes	Yes	No
Bolivia	13	Yes	No	No
Brasil	228	Yes	Yes	No
Chile	35	Yes	Yes	Yes
Colombia	32	Yes	Yes	Yes
Costa Rica	58	Yes	Yes	No
Ecuador	32	Yes	Yes	No
Paraguay	12	Yes	Yes	Yes
Peru	25	Yes	Yes	No
Venezuela	37	Yes	Yes	No

*up to 21st April, 1995.

The total of 565 members for the region represents only 3,32% of the world total of 16,998.

It should be noticed that the majority of the national groups encompass the activities of the ISSMFE and ISRM 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).

Bolivia used to be an active national group some years ago (up to 1985). This Vice President as well as the President of ISSMFE and Vice President W. Van Impe have dedicated some effort in order to motivate the activities of this group, including meetings and contacts with Mr Mario Terceros of Santa Cruz, Prof. Gabriel Gutierrez of Cochabamba and Mr Carlos Aban from La Paz.

Brasil is at present registering 228 members, being the larger group of South America but only the 21st worldwide, but the Brazilian Soil and Rock Mechanics Group (ABMS) has more than 1000 members. Brasil has agreed with the President and Vice President of ISSMFE to make a special effort to double the ISSMFE membership in one year.

Costa Rica is the only national group of Centro America and a very active one. This group is also acting as a center for the activity of neighboring centro american countries.

Ecuador rejoined the ISSMFE in 1989 and in February 1994 completed the payment of the due fees. At present is a fully active group.

Uruguay is not an ISSMFE member. Although the geotechnical activity is rather limited, the President of ISSMFE and this Vice President have contacted Prof. Alvaro Gutierrez of the Geotechnical Department of the National University of Uruguay, in order to induce the formation of a national group.

2. Regional Meetings with the Vice President

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

A letter asking for specific suggestions for the activities of the region and for the present Vice President's program was sent to all South American societies early in July, 1994.

After the XIII ICSMFE at New Delhi in January 1994, when this Vice President was able to meet representatives of Brasil and Colombia there have been other opportunities to meet some of the national groups of South America.

Following an invitation of this Vice President, the officials of the national groups of ISSMFE of Brasil, Chile, Colombia, Paraguay and Venezuela as well as representatives of Argentina, Peru and Costa Rica had a meeting in Santiago, Chile, in May 1994. Present at this meeting were also Dr Oscar Varde, Vice President of South America for ISRM and past Vice President for South America of the ISSMFE. In this meeting the work program proposed by the Vice President was discussed in detail.

Brasil organized in November 1994 its National Conference on Soil and Rock Mechanics in the town of Foz de Iguazu, which is on the border with Paraguay and Argentina. This event represented a very good opportunity to congregate at least representatives of the countries of the southern part of the region.

This conference was attended by the Presidents and Vice Presidents for the region of both the ISSMFE and ISRM. A meeting of the President and Vice President of ISSMFE was held with representatives of Bolivia, Brasil, Chile, Paraguay and Uruguay.

The President had the opportunity to discuss the problem of the future name of the Society and the Vice President presented a preliminary proposal for a regional geotechnical journal as well as a review of due tasks with regard to Education and Technology Transfer in the region.

After the conference, the President, Prof M. Jamiolkowski, and this Vice President travelled to Buenos Aires, Argentina, to attend a meeting with the Argentinean Society. Prof. Jamiolkowski delivered a lecture and had the opportunity to discuss several matters of ISSMFE as well as the present low level of activity of this national group.

The Vice President had the opportunity to meet the President of ABMS (Brasil) also in March 1994 and July 1995 for the occasion of the 2nd Latin American Conference for Young Geotechnical Engineers in Rio de Janeiro. In this last meeting a possible arrangement for the regional geotechnical journal was discussed as well as the problem with the number of pages allocated for the next ICSMFE in Hamburg.

3. Regional Technical Committees

The common technical activities in the region have been organized in a formal way through the Regional Technical Committees.

In the meeting in Santiago, in May 1994, it was confirmed the continuation of the South American Technical Committee on Mass Movements or Landslides. Colombia was nominated to

establish more precise terms of reference and a detailed program of activities. In this opportunity Brasil offered to host the following Regional Symposium on Landslides.

These matters and others were discussed during the Second South American Symposium on Landslides (announced as a Pan-American Symposium) that was held in Guayaquil, in August 1994. This event organized by the national group of Ecuador received an international attendance from most of the countries of South America and also from North America, Europe and Asia.

Some of the tasks to be performed by this committee is to complete the work presented in the IX Pan American Conference in 1991, in Vina del Mar, Santiago, regarding the general characterization of landslides phenomena in the region.

Also following an idea discussed during the same Conference, the Venezuelan Geotechnical Society has organized a South American Course on Landslides for October 1995. During the same meeting in Santiago, in May 1994, it was also decided to participate in the South American Committee on Weak Rocks, a committee already supported by ISRM and IAEG. Argentina, Brasil and Paraguay are active members of this regional committee.
Dr Lorenz Dobereiner, now 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 Iguacu, Brasil, for the occasion of the Brazilian Conference on Soil Mechanics and Foundation Engineering.

4. Newsletter and Journal

There is no newsletter for the region. The Vice President has sent a newletter (Vice President Notice) in August 1994 and a second one in August 1995.

In the 80's and up to 1986 a South American Geotechnical Journal was published under the responsibility of the national group of Venezuela. This journal stopped because of financial difficulties and also because of insufficient support from the other national group of the region.

At present an alternative based in the Brazilian Solos e Rochas is under analysis and the subject should be discussed in Guadalajara in October this year.

5. X Panamerican Conference, Guadalajara, Mexico 1995

This Conference is the most important event in the region. The Panamerican Conference will be held in Guadalajara, Mexico, from October 29 to November 3.

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

The seven official themes of the Conference are: "Engineering Properties of Regional Soils: Volcanic; Residual, Granular and Soft Clays"; "Geotechical Engineering for Environmental Control"; "Geotechnical Design and Construction; Instrumentation and Behaviour"; "Foundations"; "Embankment Dams"; "Forensic Engineering"; "Geotechnical and Seismic Zonation".

A total of 152 papers were presented up to April, distributed by countries as follows:

Argentina	3	Bolivia	1
Brasil	25	Canada	11
Colombia	10	Costa Rica	3
Chile	10	Ecuador	1
Mexico	51	Paraguay	2
Peru	5	USA	30

During this Conference a meeting of the South American groups will be held on Monday 29 and a Panamerican Committee meeting on Tuesday 30.

6. International Symposium on Dams, Chile, 1996

Another important event for the region will be the International Symposium on Seismic and Environmental Aspects of Dams Design - Earth, Concrete and Tailings Dams to be held in Santiago, Chile, October 15-18, 1996 for the occasion of the 1996 Board Meeting of ISSMFE and the 64th ICOLD Annual Meeting.

The Symposium is organized by Technical Committee No. 7 on Tailings Dams of the ISSMFE, the Chilean Geotechnical Society and the Chilean National Committee of ICOLD.

7. Activities by the National Groups

Argentina

The Vice President met Mr Angel O. Lopez, at that time President of the "Argentinean Society for Soil Mechanics" (SAMS) in Buenos Aires in June 21, 1994. Dr Oscar Varde, Past President of ISSMFE and presently Vice President of the region for the IRMS was also present. The objective of the meeting was to analyze the low level of activity in this national group, since their last national conference in Mendoza in 1991. The Vice President offered the support of the Board to future initiatives of this group.

In November 1994 the President of ISSMFE and the Vice President met the Board of the Argentinean group and also a number of its members, trying to encourage more active participation of this society that was quite active some years ago.

Since June 8, the Argentinean Society for Soil Mechanics have a new composition of its Executive Committee, composed as follows: President, Eng. Eugenio Mendiguren; Vice President, Eng. Angel Lopez; Secretary, Eng. Jorge Bonifazi.

The SAMS is at present studying a general reorganization of the society and also organizing a series of workshops that will be held on September, at the National Technological University.

Bolivia

The Vice President has tried to encourage the development of the geotechnical activity in this country that has been silent at the ISSMFE since 1985. This effort has resulted in a positive answer from Mr Mario Terceros from Santa Cruz who attended the International Symposium of Rock Mechanics in Santiago, May 1994 and also the Brazilian Conference on Soil and Rock Mechanics in Foz de Iguacu in November 1994 where he also met the President of ISSMFE.

Prof. Van Impe, Vice President for Europe has also been in contact with Prof. Gabriel Gutierrez from Cochabamba.

In April, 1995, a communication was received by this Vice President from the Bolivian Association of Geotechnical Engineering (ABIG) stating that this group, founded in 1975 and member of ISSMFE since 1981, was again fully active and seriously interested in normalizing their situation with ISSMFE.

Some significant effort is still needed in order to normalize the relationship between the Bolivian group or groups and ISSMFE. This Vice President should visit them late this year or early next year.

Brasil

The "Association Brasileira de Mecanica dos Solos" or ABMS is by far the most active national group in South America.

ABMS continues with the publication of their 8 pages monthly bulletin and the journal Solos e Rochas.

Recent special publications by ABMS included:

Solos do Interior de Sao Paulo, 399 pages, proceedings of ABMS/USP Symposium, December 8-10, 1993 /

INFOGEO'94, 196 pages, proceedings of the "Simposio de Informatica em Geotecnia" March 21-22, 1994 / Engenharia de Tuneis de Pequeno Diametro, 57 pages, March 17, 1994 / GEOAMBIETAL '94, 146 pages, "Seminario sobre Geotecnia de Aterro para Disposicao de Residuos" - April 7-8, 1994 / 2nd Simposium "Solos Nao Saturados", April 4-5, 1994.

During these lat six months ABMS organized the following technical meetings:

- "Residuos Solidos Urbanos e Industiais" - 8 conferences, July, 1994
- "Intercao Bloco-Estaca-Solo: Novo Conceito em Projeto de Fundacoes" - May, 1994
- "Investigacoes In Situ Usando o Dilatometro, o Pressiometro e o Piezocone" - May, 1994
- "Ecos do ICSMFE em New Delhi" - February, 1994
- "Solos Reforcados com Inclusoes Planas: Mecanismo de Interacao" - November, 1993
- "Projeto, Dimensionamento e Execucao de Estrucuras Jet Grouting em Contencoes e Fundacoes" - November, 1993

ABMS also organized the following symposium and conferences:

- 3rd Symposium Underground Excavations - August, 1994 - Brasilia
- Symposium: Technology, Humanism and a future in homage to the 80 years of Prof. Milton Vargas - September, 1994 - Sao Paulo
- Soil of Sao Paulo Littoral - December, 1994 - Sao Paulo
- COBRAMSEF / X Brazilian Conference for Soil Mechanics and Foundation Engineering / 1er Brazilian Symposium for Rock Mechanics - November, 1994
- TURB - Symposium of Urban Tunnels - March, 1995
- II Latin American Conference for Young Geotechnical Engineers - July, 1995 Rio de Janeiro.

This Vice President had several working meetings with the president of ABMS, Mr Sussumu Niyama, one in Sao Paulo in March 1994, another one in Santiago in May of the same year to discuss with other national groups a possible work program for the region and future regional meetings. A third meeting was held in Foz de Iguacu in November 1994 and the last one in Rio de Janeiro, July 1995, to discuss a proposal for the regional journal.

Colombia

The "Colombian Geotechnical Society" organized the V Colombian Geotechnical Conference, that was held in Medellin, June 29 to July 1, 1994. The theme of this symposium was Geotechnica y Medio Ambiente". A special conference was delivered by Eng. Tomas Shuk on "Natural Slopes".

This society has organized different activities through several commissions, like Engineering, Geology, Seismic and Dynamic Soil Mechanics, with a series of related technical conferences.

The SCG has representation in the Seismic Risk National Commission and Cartography of Threat and Risk, in which the society participate actively.

Costa Rica

In order to embrace a wider field in the area of geotechnics, the Costa Rica Association for Soil Mechanics and Foundation Engineering, have changed its name by: Costa Rica Geotechnical Association.

The CGA has edited the first version of a Code for Foundations, which has been the culmination of a large effort by several members of this Association. The Code was presented to the authorities in Novembr 1994.

During the VI National Geotechnical Symposium, which was held in November 1994, the CGA realized the 1st Centro American Meeting of Geotechnic Engineers, with participation of all the Centro American Area.

In this event the CGA presented the Code for Trench Excavation of Costa Rica, during the workshop on "Geotechnical Risk Associated to Trench Excavation".

Chile

In this first semester of 1994, the main activity of Chilean Geotechnical Society (SOCHIGE), the national group of the ISSMFE, ISRM and IAEG in Chile, was related to the organization of the fully successful 1994 International Symposium on Rock Mechanics and IV South American Congress on Rock Mechanics, held in Santiago, May 10-14 that year, with the general subject of "Integral Approach to Applied Rock Mechanics".

Prior to this Symposium, SOCHIGE organized a 3 day Short Course in Rock Mechanics presented by Prof. Evert Hoek. A one day workshop on Rockburst was also part of this successful program.

SOCHIGE was also host for a meeting of the representatives of most of the national groups of ISSMFE for the region.

Ths Chilean Geotechnical Society created a Committee on Foundations Regulations in 1993. His function is to check the local regulations in all those points that have relation with Foundations and Excavations. This Committee is working close relation with the Ministry of Public Housing.

The following lectures were organized in this period:

"Influence of Regional Geological Aspects in Geotechnical Problems", by Rafael Sancio, Venezuela, May, 1994. / "Ecos de la India" by Jorge Troncoso and Eugenio Retamal, July 1994. / "Pathology de Foundations" by Dr Angel Uriel (Espana), July 1994 / "Design and Construction of Retained Earth Damp" by Dr William Neely (USA), September, 1994 / "Seismic Instrumentation on Tailings Dams" by Eng. Luis de Paive (USA), November 1994 / "Estimated cost of Ko on Soils on Consolidated Soils" by Dr Vinod Garga (Canada), May, 1995.

SOCHIGE at present is organizing the International Symposium on Tailing Dams, that will be held in Santiago, between October 15 to 18, 1996. this event has been co-sponsored by the National Group of ICOLD. At the same time it will host the 1996 ISSMFE Board Meeting, and the 1996 ICOLD Executive Meeting.

SOCHIGE is also organizing with IDIEM-University of Chile, the 1st National Seminar of Historical Cases on Geotechnical Engineering, this event will be held in Santiago at the end of 1995.

Ecuador

The most important activity of the "Ecuadorean Society for Soil and Rock Mechanics" (SEMSIR) has been the organization of the South American Symposium on Landslides that was held in Guayaquil, 1-5 August, 1994.

This important regional event had the support of the South American Committee on Mass Movements.

The attendance included delegates and specialists from Brasil, Colombia, Cost Rica, Chile, Ecuador, Peru, Venezuela, Espana, Francia y Suiza.

Other activities organized by SEMSIR were:

Conference "Castled Properties in the Tailings Construction" / Edition of a VHS video "Josefina Natural Disaster at south-east of Ecuador".

For the period 1996-1997, SEMSIR has programmed the following activities:

1st Symposium on Environment Geotechnical, Guayaquil 1996 / National Conference of Soil Dynamic / Symposium on Tunnels and Soft Soils, 1997 / III Ecuatorean Conference for Soil Mechanics.

Paraguay

The Paraguayan Geotechnical Society was present in the South American Conference on Rock Mehcanics, that was held in May, 1994 in Santiago de Chile.

This Society formed the Subcommittee on Soft Rock like a group dependent from the Paraguayan Geotechnical Society. The Paraguayan group is working quite actively in the South American Committee on Weak Rocks.

During 1994 the SPG organized the following events: "Pantallas Ancladas de Hormigon armado" by Dr Milton Asiss Kanji and Tsuginori Yassuda, April 1994 / "Muros de Contencion, control de erosion y Defensas Costeras" by Fernando H. Perez and Jaime Da Silva, May 1994. In August 1995 SPG organized the 3rd Geotechnical and Structural Journey.

Peru

The new name of "Peruvian Committee for Soil Mechanics, Foundations and Rock Mechanics" will be "Peruvian Geotechnical Society".

The PGS has realized some technical activities consisting of conferences on Geotechnical Engineering Topics, using the visit of some important personalities to Peru. Some of these conferences have been about Plasticity Analysis of Soils, Design of Asphaltic Pavement, Design of Tunnels in Rock.

The Peruvian Committee has organized a Seminar on Laboratory Equipment of Soil Mechanics and Geotechnical Instrumentation.

This grows started to organize the VII National Conference for Soil Mechanics, Foundations and Rock Mechanics, that will be held in 1996.

Uruguay

The initial contact of the President and Vice President with Mr Alvaro Gutierrez from the University of La Republica University of Montevideo, has not produced yet any positive result in terms of the formation of a national group.

Venezuela

Eng. Pietro deMarco informed the new name of the society is "Venezuelan Geotechnical Society" (SVG).

The SVG organised the XIII Seminario Venezolano de Geotecnica y Medio Ambiente, that was held in November 8 to 12, 1994.

The Venezuelan Geotechnical Society was present in the IV International Symposium on Rock Mechanics, that was held in Santiago, Chile in May 1994.

The SVG realized the following activities in 1995: I Geotechnical Seminar "Study of the Ambiental and Technical Norm Penal Law", May and a Special Conference on "Kobe Earthquake", June.

For the end of 1995, the SVG is organizing the 1st South American Course of Mass Movement, which will be held in Barquisimeto, Lara State, during October 9 to 15, with support of Centro Occidental Universidad Lisandro Alvarado.

During 1996, the main effort of SVG will be the organization of the XIV Venezuelan Geotechnical Symposium, which will be held in November.

APPENDIX 2B

V. Milligan

REPORT ON NORTH AMERICAN ACTIVITIES 1994-95

Since the last meeting of Council in January, 1994 (New Delhi, India), and the report by Professor JK Mitchell, 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 USA and in Canada continue to be reported and described in *Geotechnical News*, published quarterly and distributed to all US 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 have been held with ISSMFE colleagues in Mexico to promote regular inclusion of their information in the publication: as an initial step, BiTech has sent 500 complimentary copies of the June and September, 1995 issues for distribution to members within Mexico to encourage their support. The matter will be examined further in Guadalajara in October, 1995.

This summary report covers only those highlights of activities of importance to ISSMFE.

Regional and International Issues

The *First International Congress on Environmental Geotechnics* (1st ICEG) was held July 11-15, 1994, in Edmonton, Alberta. While the arrangements and technical content of the Conference were excellent, the attendance of about 300 was somewhat disappointing. It is of interest to note that a later speciality conference on a similar theme - *Geo-environment: 2000* - organized by USNS/ASCE-GT in February, 1995, at New Orleans, Louisiana, had a comparably low attendance, despite an excellent format and the concomitant local attractions of Mardi Gras. We may speculate that these experiences suggest greater effort is yet required to inform colleagues of the obvious links between environmental issues and their solutions with geotechnology.

To encourage interchange of information and ideas within the Region and to facilitate arrangements for the 10th PanAmerican conference (PCSMFE) to be held in Guadalajara, Mexico, the Vice President for North America had discussions with the President of the X PCSMFE, Ing. Carlos J. Orozco y Orozco and Ing. Guillermo Springall, in Guadalajara in late December, 1994, and with Ing. Alberto Porras Lopez, the incoming Secretary (1995-96) of the Sociedad Mexicana de Mecanica de Suelos, AC (SMMS). Discussions covered not only arrangements for the Conference, at which a large attendance is expected, but future collaboration within the North American Region, such as that concerning publications as discussed above.

Mexico - Sociedad Mexicana de Mecanica de Suelos, AC (SMMS)

The President (SMMS) for 1994-5 was Luis Bernardo Rodriguez Gonzalez and the Secretary, Rigoberto Rivera Constantino. The current President for 1995-96 is MI Raul Vicente Orozco Santoyo and the Secretary, Alberto Porras Lopez.

A number of technical meetings and short courses have been held in 1994-95 largely in Mexico City covering a range of topics from tunnelling and underground construction to pavement design. The *Twelfth Nabor Carillo Conference* was held in Xalapa, November, 1994, and an international symposium on *Civil Engineering - Ten Years after the 1985 Earthquake* is planned for September, 1995, in Mexico City. The Tenth PanAmerican Conference (X-PCSMFE), referred to above, will take place in Guadalajara, October 29 - November 3 1995.

USA - US National Society (USNS)

The Chairman of USNS/ASCE-GT, 1994-95, is MW O'Neill. From October 1, 1995, the Chairman will be LH Roth. The Secretary of USNS continues to be HE Wahls.

Major geotechnical conferences held in the US involving ISSMFE/USNS or ASCE sponsorship were: *Settlement of '94*, College Station, Texas, June 1994; *Design and Construction of Deep Foundations*, Orlando, Florida, December, 1994; *Geoenvironment: 2000*, New Orleans, Louisiana, February, 1994. (Attendance at this last conference has previously been discussed.)

Reference was made in the past report to the medal honouring the late H Bolton Seed's contributions to teaching, research and practice in geotechnical engineering. The first recipient of this medal has been chosen: IM Idriss, for his outstanding contributions to geotechnical earthquake engineering. He will present the first HB Seed Memorial Lecture on November 7, 1995, in Berkeley, California.

Canada - Canadian Geotechnical Society (CGS)

The President of CGS, 1993-95, was JL Seychuk. From 1995-97, the new President is JM Laing. The Director General of CGS continues to be AG Stermac.

Apart from the First ICEG, discussed above, the most significant conference in Canada in 1994 was the Annual CGS Conference held in Halifax, Nova Scotia, in Seotember. The 48th Annual Conference will be held in Vancouver, British Columbia, in September 1995. It is of interest to note the *50th* Annual Conference of CGS is to be held in Ottawa in 1997 and hopefully will be celebrated as a "milestone" in Canadian geotechnology with particular effort being given to attract international participation.

Also of interest to ISSMFE members, is that the CGS embraces a wide range of interests and disciplines. While some 800 members from the Soil Mechanics and Foundations Division, they with others also participate in the other Divisions - Cold Regions; Engineering Geology; Geoenvironmental; Geosynthetics; Hydrology; Rock Mechanics - which illustrates the catholicism of geotechnical interests current in Canada and provides a posible indicator of the range of disciplines which could be considered in the future to be under the aegis of ISSMFE, appropriately renamed.

APPENDIX 2C

REPORT ON ACTIVITIES IN EUROPEAN REGION 1994-95

W.F. Van Impe

1. LIST OF ISSMFE - EUROPEAN MEMBER SOCIETIES AND ACTIVITIES

a) In April 1995, 7361 European colleagues and 4 European Corporate Members were within the ISSMFE.

On a total number of 16988 individual ISSMFE Members this implements Europe to represent 43% of the overall ISSMFE working.

The Corporate Membership still can increase over the coming years I hope, a figure of about 20 corporate Members in Europe should be feasible. Over the past 4 years the number of European ISSMFE members increased by about 4% (the overall ISSMFE members' list however decreased in the same period by about 8%).

(b) The ESSMFE activities (about 30 major European Soil Mechanics Seminars are yearly organised) are becoming both in quantity and quality really impressive and the great progress in number of European Society Members we could show internationally, is fully due to your enthusiasm (the Member Societies in our Region).

Reviewing the most important activities over the 1994-95 period of time in our European Member Society, being announced to me, it 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.

This is all very encouraging, and also indicates that the European Soil Mechanics Member Societies are continuously upgrading their interaction with modern Soil Mechanics and Foundation Engineering approaches.

c) Member Society Events (1995-96)

Austria
2nd International Conference on Mechanics of Jointed and Faulted Rock, Vienna, 10-14 April 1995.

Belgium
29th Young Geotechnical Engineers' Conference, Gent, 4-9 September 1995

Croatia
2nd Conference of the Croation Society for Soil Mechanics and Foundation Engineering : Geotechnical Engineering in Cities, Varazdin, October 1995

Denmark
XI ECSMFE: The Interplay between Geotechnical Engineering and Engineering Geology, Copenhagen, 28 May - 1 June 1995

France
Journee Thematique: Glissements de Terrains et Grans Remblais, Toulouse, 22 March 1995
Premier Congres International sur les Soil Non Satures, Paris, 6-8 September 1995
Journee Louis Menard: Densification des Soils: theorie, realisation, Controle, Paris, 22 November 1995
Symposium International: Exemples Majeurs et Recents en Geotechnique de l'Environment, Paris, 1-2 Fevrier 1996

Germany
World-Tunnel Congress and Stuve-Tagung '95, Stuttgart, 8-11 May 1995
24 Baugrundtagung, 1995

Gos
Russia National Conference on SMFE with foreign participation, St Petersburg (Russia), 13-15 September 1995
8th Baltic Conference - Regional Conference, Vilnius (Lithuania), 2-5 October 1995

Italy
4th International Symposium on Field Measurements in Geomechanics, Bergamo, 10-11 April 1995
XIXth Italian Geotechnical Conference, Pavia, 19-21 September 1995
Arrigo Croce Memorial Symposium, Napoli, October 1996.

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

Portugal
Luso-Brazilian Seminar, Lisbon, 30-31 March 1995
Vth Portuguese National Geotechnical Congress, Coimbra, April 1995

Romania
Xth Danube Conference on Soil Mechanics and Foundation Engineering, Constantza-Mamaia, 12-15 September 1995

Sweden
International Symnposium on Cone Penetration Testing - CPT'95, Linköping, 9-10 October 1995

Turkey
Symposium: 70 Years of Soil Mechanics, Istanbul, 11-13 April 1995

UK
35th Rankine Lecture, 22 March 1995
International Conference on Advances in Site Investigation Practice, London, 30-31 March 1995

2. Finally, our European enthusiasm for the YGEC-idea, is probably the most rewarding long-term-management investment we can make within the ISSMFE; the coming YGEC-edition was organised in Belgium in September of this year, discussing on the environmental geotechnics topics.
38 young engineers from 40 different countries will take part in this Conference to exchange ideas and knowledge in an informal way, guided by 6 geotechnical experts.
The final announcement includes a program with details on the various sessions and its presiding senior engineers.

Monday 4.9.95
- Introduction of the theme by W Van Impe, Laboratory of Soil Mechanics, Ghent University, Belgium, Vice-President of ISSMFE
- Lecture Senior Engineer: M Manassero, 'Waste disposal design; some considerations on theoretical and practical geotechnical aspects'

Tuesday 5.9.95
- Lecture Senior Engineer: H Meissner
- Lecture Senior Engineer: P Vermeer

Wednesday 6.9.95
Full day technical visit to the harbour of Zeebruges and to Bruges.

Thursday 7.9.95
- Lecture Senior Engineer: A Monjoie
- Lecture Senior Engineer: N O'Riordan, 'Environmental Geotechnics: risk management and remediation'.

3. The new and challenging ISSMFE type of International Conferences launched in 1994, relates to the Environmental Geotechnics Conferences.
The first one being organised in Edmonton - Canada 1994; the second Conference of this type will go on in Japan (Osaka) 1996; the third Environmental Geotechnics Conference in 1998 will be organised in Europe. This is one of the most important coming events within our European Society next to the European Regional Conference.
Four countries (Austria, Finland, France and Portugal) expressed their interest in hosting the 1998 - ICEG.

4.EUROPEAN REGIONAL TECHNICAL COMMITTEES

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

No 1	Stabilization of Landslides E. Alonso	Spain
No 3	Piles F De Cock	Belgium
No 5	Laboratory testing L De Quelerij	Netherlands
No7	Numerical methods in geotechnical engineering Ph Mestat	France
No 9	Tunneling and underground construction in soil and soft rocks, in urban environment W Wittke	Germany
No 10	Evaluation committee for the application of EC-7 R. Lancellotta	Italy
No 11	Geotechnical aspects in pavement design and construction S Brown	UK
No 12	Evaluation committee for the application of EC-8 A Ansal	Turkey

Most of them have organised a meeting during a first meeting in May 1995 in Copenhagen. About (120) colleagues all over Europe, cooperating in those TC's, deserve all of our gratefulness for their considerable effort in contributing to this type of international scientific cooperation, being of greatest importance to the ISSMFE as a whole. But, it is equally clear that most of our estimated expert-colleages are involved and absorbed in so many duties that they rarely can find enough time to devote to such committee work; this is creating important delays in the time schedule planned for the committee reports. We should seriously reconsider the future committee memberships in such a way as to

(a) recruit more active young geotechnical engineers to the benefits and the progress of the committee work

(b) reduce drastically the number of members, relieving a lot of the burden and so improving the daily workability of the committee.

5. MODEL LIBRARY

The initiative supported by the funds of the Corporate Members and the potential recipients are indicated to the Board by the Members themselves. A list of priority was prepared by the Regional Vice-Presidents. For Europe we proposed: Croatia, Slovenia, Ukraine, Lithuania, Russia, Estonia and Romania.

The composition of the Model Library will be aimed at reconciling the needs of undergraduate students and, possibly of young professionals to be introduced into the modern geotechnical engineering. The text books to be included in the ML cover the areas of foundation engineering, experimental and theoretical soil mechanics and environmental geotechnics. About the last mentioned topic I believe we still should discuss the possibilities of more comprehensive work on environmental geotechnics instead of overspecialized and too narrowly focussing editions.

6. NEXT EUROPEAN CONFERENCE ON SMFE

(a) Four of our Member Societies had introduced their invitation to act as host for the coming Europan Regional Conference in 1999:

- Czech and Slovak Committee SMFE (Czech Republic)
- NSSMFE (The Netherlands)
- SPG (Portugal)
- SGBF (Switzerland).

At the ESSMFE-meeting in Copnehagen (May 1995) the Dutch Geotechnics Society (NSSMFE) was elected by a large majority on the topic 'Implementation of Geotechnics in the Transportation Infrastructure'.

APPENDIX 2D

Report on Activities in Australasian Region 1994 to 1995

M. C. Ervin

1. Introduction

This report has been prepared in August, 1995, to allow it to be presented in the business papers for the Council and Board meetings, to be held in December in Cairo. A number of significant activities will take place in the intervening period, and will be verbally reported upon at these meetings, as considered appropriate.

2. The Australasian Region

The Australasian Region has two Member Societies, Australia and New Zealand, represented by the Australian Geomechanics Society (AGS) and the New Zealand Geomechanics Society (NZGS). However, the region includes a number of Pacific Island nations and Papua-New Guinea. There are significant geotechnical activities in a number of these countries, but usually undertaken by offshore companies or consultancies. In-country expertise and locally based activities tend to be limited and usually with itinerant personnel. Enquiries with respect to formation of local geotechnical groups with affiliation to the ISSMFE or our sister societies have not engendered much interest. However, activities of the Australian or New Zealand Geomechanics Societies often attract interest from individuals working in these other countries of the region.

3. Membership

a) Australia

Membership of the Society in Australia remains relatively static at about 600 with our Secretariat advising that 364 members of the Australian Geomechanics Society are also members of ISSMFE. The AGS is presently in a state of flux due to some restructuring within the Institution of Engineers, Australia, the major sponsoring body of the AGS. Until these issues are resolved I expect our membership will remain relatively static. However, the current membership of ISSMFE probably fairly represents the direct interest in Australia, with the past numbers of up to 450 being inflated due to poor record keeping by our Secretariat.

b) New Zealand

Total membership of the NZGS at the end of January 1995 was 340, of whom 212 are affiliated to ISSMFE. This represents a slight increase over last year.

4. Conferences and Symposia

* There have been no major geotechnical conferences or symposia in the Region in the past 12 months.

* A seminar on "Geotechnical Limit State Design" was run by the NZGS in later 1994. This was the first on a planned series for NZGS and the geotechnical profession at large on topics of general interest.

* Planning for the Seventh ANZ Conference on Geomechanics, to be held in Adelaide from 1st to 5th July, 1996, is well in hand. The theme for the conference is "Geomechanics in a Changing World". At the time of writing some 120 abstracts had been received, with interest in attending from several countries. The keynote speaker will be our President, Prof. Jamiolkowski. Three invited theme lecturers, two speciality sessions, presentation of the New Zealand Geomechanics Lecture and the address by the recipients of the John Jaeger Memorial Medal will be highlights of the Conference. Seven or eight technical sessions are proposed, in a traditional conference format. Technical tours will have the added attraction of allowing delegates to include a visit to one of the premier wine growing areas of Australia. The planned venue for the conference is the Adelaide Convention Centre, which is located close to the centre of Adelaide and which provides first class facilities for conferences and committee meetings.

* The second Young Geotechnical Professionals Conference will be held in Auckland, New Zealand from 29 November to 2 December, 1995. Chairman of the organising committee is Sergie Terzaghi, grandson of Karl.

* The NZGS is planning its next two yearly symposium on "Geotechnical Issues in Land Development", to be held in Hamilton, 16 to 18 February, 1996. This promises to be an interesting meeting, and one which will provide a suitable stimulus for considering the impact of natural hazards on development, real or perceived.

* The Perth Group of the AGS is offering to host the 2001 International Conference of the Society, the venue of which will be decided at the Cairo Council meeting.

* Monash University Civil Engineering department held a one day symposium on June 7, 1995 to mark the retirement of Associate Professor Ian Donald later this year. Ian is well known to many for his work on unsaturated soils, soft clays and more recently for slope stability analysis. Eleven papers were presented to the Symposium by past and current affiliates and students of Ian. As a measure of the respect in which Ian is held, presenters came from seven countries, and delegates from all states of Australia.

* State and local groups continue to be active with learned Society activities. In Australia, technical meetings are generally held about once per month in each capital city, with active groups also in other major centres within New Zealand there are also active groups in Auckland, Wellington, Otago and Christchurch, with technical meetings held regularly.

5. Strategic Planning

Both the NZGS and AGS have strategic plans in place, which are regularly reviewed for relevance and success at implementation. As noted earlier, the relationship between the AGS and its sponsoring bodies is strained at present. This has been addressed at length at National Committee level, and is hoped to be favourably resolved.

6. Name Change

The New Zealand Geomechanics Society has canvassed its members as to the suitability of this name for the Society as it functions today. Although the response to the survey represented only 15% of the membership, there was strong support for a change to New Zealand Geotechnical Society. This matter is to be further debated before any change is implemented.

The NZGS and AGS continue to produce twice yearly news journals. These journals combine technical papers with general information on people,

forthcoming events and matters of general interest.

Preprints or notes also are often prepared for technical meetings held at local group level.

APPENDIX 2E

Report on Activities in the Asian National Societies 1994-5

A. S. Balasubramaniam

This report covers the period January 1994 to date on the activities of the Asian National Societies of ISSMFE.

1. There are now fourteen National Societies in Asia. These are Japan, Israel, India, China, S. E. Asia, Syria, Iran, Pakistan, Bangladesh, Indonesia, Korea, Vietnam, Sri Lanka and Nepal.

2. **Technical Committees**

The Japanese Geotechnical Society hosts five ISSMFE Technical Committees and has set up four Asian Technical Committees.

(a) **ISSMFE TC**
- TC-2 Centrifuge Testing
- TC-13 Mechanics of Granular Materials
- TC-28 Underground Construction in Soft Ground
- TC-29 Stress-strain Testing of Geomaterials in the Laboratory
- TC-30 Coastal Geotechnical Engineering

(b) **Asian TC**
- (1) Micro-mechanics of Granular Soils and its Applications to Soil Engineering
- (2) Geotechnology for National Hazard
- (3) Localization, Bifurcation and Progressive Failure in Geomechanics
- (4) Earth Reinforcement

3. **Professional Activities**

The Asia-Pacific Region is now the fastest developing part of the world. Construction activities of all types demanding Geotechnical Expertise are in full swing in most countries. Almost all the countries have very big development projects and it is not possible to make a comprehensive listing of them. ISSMFE should focus more to the Asia-Pacific Region where "Things are Actually Happening" at this present time and will continue to do for at least another decade.

4. **Conferences, Symposia and Workshops**

(a) **Japanese Geotechnical Society**

(i) International Symposium on "Pre-failure Deformation Characteristics of Geomaterials (IS Hokkaido '94) was held at Hokkaido University during 12-14, September 1994. Two hundred and twenty participants attended and the Proceedings published by Balkema Printers.

(ii) International Symposium on "Compression and Consolidation of Clay Soil" (IS Hiroshima '95) was held at International Conference Center, Hiroshima during May 10-12 with 312 participants. The Proceedings were published by Balkema Printers.

(iii) Second Young Geotechnical Engineers Conference in Asian Region was held at the Asian Institute of Technology, Bangkok, during June 27 - July 1, 1994 with 42 participants. It is co-sponsored by Southeast Asian Geotechnical Society and AIT.

(iv) The Third Young Geotechnical Engineers Conference is under preparation to be held in Singapore in 1997.

(v) The following conference and symposia are under preparations:

- First International Conference on Earthquake Geotechnical Engineering (IS Tokyo '95), Tokyo November 14-16, 1995.
- Second International Conference on Ground Improvement Geo-systems (IS Tokyo '96) Tokyo, May 14-17, 1996.
- International Symposium on Earth Reinforcement (IS Kysushu '96) Fukuoka, November 12-14, 1991.
- International Symposium on Deformation and Progressive Failure (IS Nagoya '97), Nagoya, October 4-7, 1997.

b) **Southeast Asian Geotechnical Society**

(i) Developments in Geotechnical Engineering (from Harvard to New Delhi). International Symposium, Bangkok, January 1994. One hundred and twenty participants. Proceedings published by Balkema Printers.

(ii) Workshops and Symposia on:

- Soil and Rock Behaviour, May 1994, Forty participants.
- Residual Soils, Slope Stability and Landslide, August, 1994, Thirty participants.
- Ground Improvement and Piled Foundation, 80 participants, November, 1994.

The Proceedings of the volume to be published by Balkema.

(iii) Southeast Asian Symposium on Tunnelling, jointly sponsored by International Tunnelling Association held in Bangkok in January 1995. Three hundred and ten participants.

(iv) Workshops on:

* Geotechnical Aspects of Earthquake Engineering, May 1995, 45 participants.

* Behaviour of Residual Soils and Soft & Hard Rocks in Design and Construction, August 1995, 40 participants.

* Environmental Geotechniques and Natural Hazards, November, 1995.

* Geotechnical Analysis: Closed form and Finite Element Analysis, January 1996.

(c) Chinese Soil Mechanics and Foundation Engineering

* Seventh National Conference on SMFE, Xian 25-29, October 1994, 270 participants.

* Geotechnical Techniques on Both Sides of Taiwan Strait, Xian, 20-24 October 1995, 185 participants, 67 from Taiwan.

* Second National Conference on Design and Construction of Piled Foundation, Guilin, December 1994, One hundred participants.

* Fourth National Conference of Soil Dynamics, Hangzhou, May 1994, One hundred participants.

* Sino-Canadian Symposium on Unsaturated-Expansive Soils, Wuhan, 40 participants.

(d) Indian Geotechnical Society

* International Conference on Design and Construction of Underground Structures, February 1995, New Delhi.

* Annual Geotechnical Conference 1994, Warangal December, 1994, 200 participants.

* Trends in Geotechnical Engineering, Terzaghi 1994, Tirupati.

* Short Course on Principles of Site Investigation and Foundation Design, Visakhapatnam, February 1995.

* National Workshop on Numerical and Analytical Methods in Geotechnical Engineering, New Delhi, December 1994.

(e) Korean Geotechnical Society

* Tenth Anniversary Commemorative Geotechnical Conference 21-22, October 1994.

* North-east Asia Symposium and Field Workshop on Landslides and Debris Flow 28 June to 16 July, 1994.

* International Symposium on the Application of Expanded Polystyrene Foam for Embankment Construction, June 1994.

(f) Pakistan National Society for Soil Mechanics and Foundation Engineering

* Fifth National Conference on Application of Geotechnical Engineering in Mitigation of Natural Hazards, December 1994.

* UNDP Workshop on Mitigation of Hazards April 1994.

* Sixth National Conference on "Role of Geotechnical Engineering in Earthquake Resistant Design", December 1995.

(g) Israel Geotechnical Society

* Introduction of the New Israeli Standard on Soil Classification. February 1995.

(h) Iranian Geotechnical Society

* Workshop on Soil Deformability Characteristics, April 1994, 45 participants.

* Workshop on Soil Grouting Techniques and Performances, September 1994, 26 participants.

* Unsaturated Shear Behaviour of Soils, February 1995, 40 participants.

* Pressuremeters, May 1995, 25 participants.

(i) Vietnamese Geotechnical Society

* Short Course on Compaction Control, July 1994, 200 participants.

* New Technology for Construction, NTC '95, March 1995, 200 participants.

APPENDIX 2F

Report on Activities in the African Region 1994-5

M K El-Ghamrawy

General

Activities in the African region have mainly been concentrated on two items. Firstly organization for the Eleventh African Regional Conference to be held in Cairo, Egypt 11-15 December 1995. Secondly the problem of membership of African countries in the ISSMFE. Especially in the existence of considerable number of Francophone African countries. The formation of Regional African Technical Committees has been studied and decisions will be taken during the coming conference to bring these studies to reality.

1. The Eleventh African Regional Conference - Cairo - 11-15 December 1995 (11th ARC - Cairo '95)

1.1 The conference will be preceded by a Board Meeting on Saturday 9th and a Council Meeting on Sunday 10th. The conference itself will be held from 11th until 15th. Post conference tours will be from 16th to the 21st. They will end in good time for the delegates to return back home for Christmas. Some will spend it with their families in Egypt.

1.2 The number of abstracts which were sent to the conference were 180 (85 from 16 African countries and 95 from 29 Non-African countries). The actual papers received, refereed and accepted to date (August 18th 1995) are 75 papers (37 from African countries and 38 from Non-African countries). Six prominent keynote lecturers will deliver their lectures during the conference.

1.3 The conference will contain nine sessions. Each session will be chaired by two chairpersons, an African and a Non-African. The Non-Africans are chosen to represent almost all regions in the world. There will be an exhibition running in conjunction with the conference. Only 23 booths are available in the Nile Hilton during the conference period. An offshore drilling company will host a session in which Professor Rowe (UK) will lecture and then a workshop in offshore drilling. The field trip will be to a new city created in the desert then to Alexandria.

2. Memberships

2.1 In Africa there are 52 countries. Only 9 countries of which are member in the ISSMFE. They all can deal in English. Active Francophone countries are 19. Several other countries are Francophone, Anglophone or speak other languages.

2.2 A Francophone Transnational "Geotechnical" Society was decided upon December 1994 without informing the ISSMFE or myself as Vice-President for Africa. I was kindly informed by Mr Michel Gambin about it. But this was months after the December 1994 meeting. They formed the Transnational Society from three regions:

R1 (Algeria, Djibouti, Morocco and Mauritania).
R2 (Benin, Burkina Faso, Ivory Coast, Guinea, Mali, Niger, Sengal and Togo).
R3 (Burundi, Cameroon, Central Africa, Congo, Gabon, Chad and Zaire). Madagascar will join R3 soon.

They intend to hold a symposium in Marrakech September 24th 1995 about "The use of local products for road construction".

2.3 Mr Gambin wrote congratulating them and urging them to contact ISSMFE through myself. I also made some efforts and got recent contributions from Chad and Mauritania.

2.4 In general normal communications are available only in a few countries in Africa among the 52. It takes longer than usual to contact but we persevere to get as many countries as possible to our society and to our conference. I think among the six regions of the ISSMFE Africa needs the most encouragement.

3. Regional Technical Committees

Little success has - so far - been achieved here. Contacts have been made between several parties to form a Technical Committee for Heritage Preservation. This committee will be formed during the December 1995 conference.

APPENDIX 3

XIV ICSMFE; Hamburg, 1997

Report to ISSMFE Council Meeting by W. Wittke

The XIV Conference on Soil Mechanics and Foundation Engineering will take place from the 6th - 12th September 1997 in the Congress Center Hamburg (CCH) in Hamburg, Germany.

Up to now, the Conference Advisory Committee (CAC) and the Conference Advisory Board/Organizing Committee (CAB) have held five meetings each, so far.

A timetable for the Conference has been compiled. The preparations are in-line with the uplisted items.

Bulletin #1 appeared in January 1995, Bulletin #2 will appear in midsummer 96. Bulletin #3 will be distributed at the beginning of the Conference and will, simultaneously, serve as the Conference-programme.

Bulletin #1 contained the subjects for the plenary and discussion sessions for the Conference. They are the basis for the abstracts which will be handed-in by the National Societies up to the 1.1.96.

The General Secretary of the ISSMFE allocated the number of pages for the proceedings to each National Society in June 1995.

In July, the Chairman of the Organizing Committee, Prof. Wittke, has sent out letters-of-invitation, based on the proposals being made by the International President and the Vice-President Europe. These were mailed to the potential Chairmen, Discussion Leaders, Theme Lecturers and Panelists. The answers received were 90% positive; some are still pending.

Meanwhile, invitations also went out to the lecturers of the "Traditional Lectures" and positive replies have been received with the exception of the lecturers for the Momenteous Sessions.

As Social Programme, it is intended to hold a welcome party as well as a reception by the Senate of the City of Hamburg with a subsequent banquet.

Technical Excursions will be made to interesting construction sites in Hamburg. The post-Conference tours have been planned as a combination of technical excursions and tourist programmes: a trip to Berlin with its large construction sites, another one to the new Intercity-Express train section construction site Cologne-Frankfurt with vast tunnelling projects, returning to Cologne by boat on the river Rhine; a tour to various water straits in Northern Germany and to historically interesting cities.

To round off the Conference, a touristically interesting programme for accompanying persons is being offered during the Conference.

Further details will be given with bulletin #2.

In spite of the high costs for services in Germany, the Organizing Committee tries to keep the prices as low as possible. Registration fee will be DM 800.00, (for latecomers it will be DM 1000,00), including proceedings but without any excursions or the banquet. These will have to be booked separately. For reasons of economy and with the approval of the CAD, the proceedings will be published as paperbacks (Balkema). It is intended to publish four different volumes of proceedings: three to be handed-out during the Conference which will contain the papers previously received and which fall within the framework of the allocation of pages and one post-Conference volume with the lectures that have been held during the Conference.

There will be a simultaneous translation/interpretation service at hand for the languages English, French and German; the latter for reasons that Eastern European participants are frequently far more fluent in German than in English or French. the German lecturers will therefore deliver in German.

For the technical exhibition more than 1 100m^2 have been rented from the CCH. The Managing Director of the German Society for Geotechnics (DGGT), Mr. Thiel, has received lists of addresses from a number of countries with possibly interested companies. More addresses would be welcome.

APPENDIX 4

2nd ICEG, Osaka, 1996

M Kamon

This is a transient report of the Second International Congress on Environmental Geotechnics : IS-Osaka '96.

The number of abstracts received by the organizing committee reached 296 from 38 countries as shown in Table 1. By the review, 20 abstracts were rejected. Each number of abstracts among the congress topics is listed in Table 2. Authors of the accepted abstracts have been requested to prepare the full papers by December 1. 1995. The review of the full papers will be conducted from January, 1996. All members of the International Advisory Committee will be kindly requested to be serve as international reviewers.

The Conference Advisory Committee (CAC) under the request from the International Society for Soil Mechanics and Foundation Engineering had been organized, and the meeting of CAD was held in Kyoto, Japan on April 23, 1995. The basic technical program and the invited speakers of the 2 ICEG were decided in the CAC meeting.

Every technical session consists of one State of the Art Report, several oral presentations of submitted papers and floor discussions. Key persons for sessions will be determined finally after the full paper review. Authors who have failed to be oral presenters will be encouraged to attend the Poster session to present their papers and enjoy discussions.

296 abstracts were submitted for review until August 10. 12 abstracts were not accepted and 15 abstracts were asked to be combined into 7 ones. 276 abstracts including the 7 combined ones were selected for manuscript submission.

Table 1 - Number of Submitted Abstracts

Country	Num.	Country	Num.
Australia	4	Norway	3
Austria	1	Poland	2
Bangladesh	1	Portugal	1
Belgium	2	Russia	21
Brazil	18	Singapore	2
Bulgaria	2	Slovak Republic	2
Canada	14	South Africa	2
Chile	1	Spain	1
China	2	Sweden	2
Egypt	2	Switzerland	2
France	11	Taiwan	6
Germany	6	Thailand	2
India	8	The Netherlands	1
Iran	2	Turkey	1
Ireland	1	UK	9
Italy	13	Ukraine	1
Japan	84	USA	56
Korea	7	Vietnam	1
Mexico	1	Yugoslavia	1
TOTAL:			296

Table 2 - Accepted Abstracts in Each Session

Session Theme	Number	
1. Site Investigation, Speciation and Characterization	38	(16)
2. Modeling and Numerical Analysis	23	(10)
3. Geotechnics of Mines Waste Management	9	(3)
4. Geotechnics of Municipal Waste Management	12	(3)
5. Waste Disposal and Containment	60	(18)
6. Geotechnical Recycle or Reuse of Waste Materials	58	(5)
7. Remediation of Contaminated Ground	30	(7)
8. Dredging and Sediments	4	(5)
9. Geo-Environmental Risks : Assessment and Mitigation	7	(4)
10. Regulations : Trends and Vision for the Future	1	
TOTAL	276	

The numbers in parentheses stand the abstracts which fit the plural sessions, and the numbers out of the parentheses do not include the ones in the parentheses.

APPENDIX 5

Task Force on Communications

Report by M. C. Ervin

1. Database of Databases

At the Board Meeting in May, 1995, it was reported that the Society had funded US $ 5,000 for the development of a Database of geotechnical databases by the Geotechnical Engineering International Resources Centre (GE-IRC) at the Asian Institute of Technology. The basis of this funding was:

* ISSMFE makes a US $ 5,000 interest freeloan to CE-IRC.
* GE-IRC pays back this loan out of profit generated from the Database of databases on a 50/50 basis.
* Once the loan is repaid, ISSMFE will negotiate to share in any subsequent income.

For this venture to be successful, The Society, through the Member Societies, will need to actively promote the existence of the database. A brochure outlining details of the database, and its use will be available at the Council meeting.

The idea of the database is to compile a record of known databases, so that researchers can access relevant bibliographies as required. However, through GE-IRC searches can be undertaken at modest cost, as outlined in the brochure.

As at July 28, 1995 information on 36 databases had been compiled, but 82 such databases were advised as being in existence. Once compilation of the database is sufficiently complete, it is proposed that the listing be made available, either on diskette or in hard copy, at a modest price. A sample record is attached.

2. Information Retrieval System

The ISSMFE has been pursuing for some years the development of an information retrieval system for Members. Initially proposals were sought from GE-IRC who have in place the general framework from which it could provide a retrieval service. At first this appeared attractive, but to provide adequate coverage of publications and to maintain and update the records would have required provision of considerable seed money by the Society. Attempts were made to obtain this seed money through Aid agencies, but unsuccessfully. Concurrently with the discussions with GE-IRC we became aware of a comprehensive retrieval system at the Swedish Geotechnical Institute (SGI). This system contains some 42,000 records in electronic form, and a further 40,000 pre 1975 records in card form. These records are all directly relevant to soil mechanics and foundation engineering, and more recently to geo-environmental engineering. A formal proposal from SGI to provide a comprehensive retrieval system has not yet been received. I hope to be able to report more fully on this at the Cairo meeting.

3. Newsletter

Although we have not widely canvassed the views of members, there appears to be a general consensus that the current format is suitable and sufficient. However, views from Member Societies would be welcomed. Clearly this is a valuable forum in which to advise the membership of relevant issues and Society activities. The concept of linking the production of the newsletter to the retrieval system has been considered.

Please present to the Cairo meeting the views of your Member Society on the present newsletter format, and any other issues relating to communication between your Board and the membership.

DATABASE OF DATABASES
Sample Record

Name of Database	: GeoMechanics Abstracts (GMA)
Database Producer	: Rock Mechanics Information Service
Address of Producer	: Imperial College of Science and Technology, The Royal School of Mines, Prince Consort Road, London, SW7 2BP, U.K.
Language	: English
Period of Coverage (from)	: 1977
(to)	: present
No. of Records	: 60,000 as of July 1993
Updates	: 3,000 abstracts annually
Contact Person(s)	: Dr. Doug H. Spencer

Address	: Rock Mechanics Information Service, Imperial College of Science and Technology, The Royal School of Mines, Prince Consort Road, London, SW7 2BP, U.K.
Database Vendor	: ORBIT; Infopro Technologies
Local/Regional Contact	: ORBIT: USACO Corporation, 13-12 Shinbasi, 1-Chome, Minatoku, Tokyo, 105 Japan, Tel: (03) 3502-6471 or (03) 3593-2709 or SAMTEK Corp., 154-16 Samsung Dong, Kangnam Ku, Seoul, Korea, Tel: (02) 538-4400; Fax: (02) 538-4339
Annual Service Fee	: Available from local/regional contact
Database Rates	: Available from local/regional contact

Subject Coverage:
GeoMechanics Abstracts is a bibliographic database covering the published literature on rock mechanics and engineering geology. It corresponds to the printed version of Geomechanics Abstracts. It contains full bibliographic details including abstracts. Specific subjects are: properties of rock and soil; rock and soil masses; geology and hydrogeology; mining, tunnelling, and support foundation engineering; slope stability; communication; rock and soil improvement techniques; site investigation and laboratory and field tests.

APPENDIX 6

ISSMFE and Geotechnical Engineering Education

W. F. Van Impe

1. Introduction

In the framework of TC-31, chaired by Prof. Poulos, and of the Task Force on Education chaired by me, a speciality session on this topic will be organised during the next International Conference of ISSMFE in Hamburg 1997.

The Committee TC-31 has 12 members from various member societies, and is hosted by the Australian Geomechanics Society. It is concentrating on four area:

1. Curriculum Development - continuing efforts to develop model curricula for courses in geotechnics, especially at undergraduate level,

2. Demonstrations, Models and Experiments - the development and dissemination of information on suitable experiments and demonstrations for the above courses, which illustrate the fundamentals of soil and foundation behaviour,

3. Computer-Aided Instruction - the collection and dissemination of suitable audio-visual material, including sets of slides and accompanying text.

4. Case Histories - collection of suitable case histories which may be used as illustrations and exercised for courses.

For each of the above aspects, a sub-committee of the main committee has been appointed to collect the appropriate material. It will be assembled and presented as a report to the next International Conference in Hamburg 1997.

2. Data on European Geotechnical Education

In Europe a questionnaire on Geotechnical Education at University level has been sent out to about 45 Universities. The answers not fully completed for the moment, although it's already possible to summarise some of the headlines.

In my opinion, the Geotechnical Education curricula can be subdivided into 4 groups:

1. Curricula suggesting classical Geotechnical Education programs, some of them in a fairly fundamental way and usually fitting in a 10 semester education system.

2. A Geotechnical Education curriculum in which Soil Mechanics' principles and Foundation Engineering are fully mixed.

3. A condensed Geotechnical Engineering curriculum with only very basic and very applied rules for Geotechnical design.

4. Overspecialised type of curricula with very specific topics only useful to local Geotechnical design problems.

3. Comments

1. With the exception of mainly France, laboratory and field testing remains rather limited in the various curricula.

2. All over, the use of computers supported teaching is still negligible.

3. 65% of the curricula already have implemented the Environmental Geotechnics.

4. There seems to be not enough interplay between the foundation engineering contracting world and the fundamental soil mechanics education programs.

5. The use of case histories for teaching Geotechnical Engineering should be stimulated through such contacts with industry.

4. Recommendations

One could try first of all:

- to organise a permanent and well-structured dialogue between the Geotechnical Departments of the Universities on the Geotechnical Education.

- to improve coordination, whether globally or in clusters, of the great variety of exchange programmes, while reducing bureaucracy.

A recommendation could be to stimulate and/or strengthen the cooperation in the field of Geotechnical Education. The focus of this cooperation should be based on "common objectives" rather than on "common frameworks", since a concept of uniformity or even harmonisation is very unlikely to ever be possible, or even not desirable.

APPENDIX 7

ISSMFE Audited Accounts

1 Jan 1993 to 31 Dec 1993

Report by Secretary General

The ISSMFE audited accounts for 1993 show a decrease in cash balance of GBP11,233 in GBP accounts and an increase of CHF58,812 in CHF accounts. Taking GBP1 = CHF2.20 gives a net increase in cash balance of GBP15,500. This compares with a budgeted deficit of GBP19,640.

It can be seen from the summary tabulation of accounts and budget items that subscriptions exceed the budgeted amount by GBP11,187 due to a drop in GBP exchange rate in 1992 from GBP1 - CHF2.53 to GBP1 = CHF2.20.

Major items on which expenditure was substantially less than budget were Travel and Entertainment (-GBP6952), List of Members (-GBP2557), Newsletter (-GBP1635), Video lectures and slides (-GBP4107), Emoluments and office costs (-GBP6898) and YGEC (-GBP6000). The difference in the Newsletter is explained by some of the costs carrying over to 1994. No video lectures were made and there was no expenditure on YGECs.

Summary of Accounts and Budget Items 1993

	Actual GBP	Budget GBP	Actual-budget GBP
Receipts			
Subscriptions	79987	68000	+11187
Other income	15946	15000	+ 946
Expenditure			
Travel and Entertainment	18048	25000	- 6952
Photocopying	2378	1600	+ 778
Telephone/Fax	1602	1600	+ 2
Stationery	1484	740	+ 744
Postage	2158	2200	- 42
Auditors Fees & Bank Charges	1171	1000	+ 171
List of Members	4843	7400	- 2557
Newsletter	5665	7300	- 1635
Corporation Tax	4008	2500	+ 1508
Kevin Nash Medal	773	0	+ 773
Office Equipment	89	800	- 771
Video Lectures and Slides	893	5000	- 4107
Staff Emoluments & Office Costs	33602	40500	- 6898
YGEC	0	6000	- 6000
Model Library	1203	1000	+ 203
UATI Fee	1274	0	+ 1274

ISSMFE Audited Accounts

1 January 1994 to 31 December 1994

Report by Secretary General

The ISSMFE audited accounts for 1994 show an increase in cash balance of GBP9029 in GBP accounts, and an increase of CHF57962 in the CHF account. Taking GBP1 = CHF2.05 gives a net increase in cash balance of GBP37304 as against a budgeted deficit of GBP9850.

Separation of the Ordinary and Extraordinary accounts items shows a surplus of GBP18854 on the Ordinary receipt and expenditure items and a surplus of GBP18415 on the Extraordinary receipt and expenditure items. (Note: a different exchange rate has been applied here of GBP1 = CHF2.13, as rates varied from 2.07 to 2.21 during the year, as compared to the audited accounts for which the financial position was considered above on a specific day i.e. 31 December 1994 when GBP1 = CHF2.05). The sum of the surpluses in this tabulation differs slightly from the surplus on the audited accounts because of this exchange rate problem.

In the Ordinary accounts receipts exceeded budget by GBP10528, mainly because of a favourable exchange rate of the CHF against the GBP. In expenditure, office costs and equipment were less than budget by GBP6121, as no rent was charged for office space, while photocopying, postage and stationery all exceeded budget and telephone and fax were less than budget.

In the Extraordinary accounts receipts Corporate Member subscriptions exceeded budget by GBP5558, but conference income was less than budget by GBP11334 as no income was received from the Edmonton conference (a small amount will be received in 1995). Slide sales were also less than expected. In expenditure conference support was GBP13033 less than budget as no money was put into the Edmonton conference. There was no expenditure on other initiatives, as against GBP4000 in the budget. Expenditure of slides, list of members and ISSMFE News were all less than budgeted.

International Society for Soil Mechanics and Foundation Engineering

Receipts and payments account for the year ended 31 December 1994

	Credit Suisse SFr	Barclays Bank £	Investment Accounts £	University of Cambridge £
Cash balance at 1 January 1994	169,232	66,304	129,927	(4,491)
Add: Receipts				
Member Society subscriptions	168,334	1,194	-	-
Corporate Member subscriptions	-	9,558	-	-
Conference income	-	18,666	-	-
Publication sales	-	574	-	-
Slide sales	-	690	-	-
Travel refund	-	2,639	-	-
Interest received	-	2,346	7,796	-
	337,566	101,971	137,723	(4,491)
Less: Payments				
Emoluments and staff costs	-	28,022	-	13,493
Travel and entertainment	-	20,426	-	80
Photocopying	-	82	-	1,403
Telephone, telex and fax	-	1,534	-	-
Postage	-	443	-	2,076
Stationery	-	523	-	474
Newsletter	-	6,740	-	-
Audit fees	-	964	-	-
Bank charges	358	326	-	-
Corporation tax	-	2,838	-	-
Conference support	-	1,967	-	-
Publications	-	689	-	-
UATI Fee	-	1,296	-	-
Office equipment	-	-	-	1,379
Slides and videos	-	-	-	293
List of members	-	88	-	-
	358	65,938	-	19,198
Add: Transfers from other accounts	-	50,702	-	25,000
Less: Transfers to other accounts	110,014	25,000	-	-
Cash balance at 31 December 1994	227,194	61,735	137,723	1,311
Increase/(decrease) in cash balance	57,962	(4,569)	7,796	5,802

Information: At 31 December 1994 - £1 = SFr2.05

R H G Parry, Secretary General

Date 22 April 1995

International Society for Soil Mechanics and Foundation Engineering

Corporate Member	US $	£
Agra Earth & Environmental Ltd	400	271
Bauer Spezialtiefbau GmbH	400	265
China Engineering Consultants Inc	1,600	1,067
China Harbour Engineering Company	1,600	1,077
Concrete Engineering Products Berhad	400	271
Fujita Corporation Technical Research Institute	400	267
GEI Consultants Inc	1,600	1,083
Golder Associates Inc	1,600	1,007
Harza Engineering Company	400	271
Keller Group Ltd	400	267
Kiso-Jiban Consultants Co Ltd	1,600	1,034
Klohn-Crippen Consultants Ltd	400	267
L&M Geotechnic Pte Ltd	400	270
Monenco AGRA Inc	400	265
Pilecon Engineering BHD	400	261
Sinotech Engineering Consultants Inc	1,600	1,083
Sir Alexander Gibbs & Partners Ltd	400	267
STS Engineering Consultants Co Ltd	400	265
	14,400	9,558

Corporate Membership fees are invoiced in US $ but received in sterling.

Information: On average for 1994 - £1 = US $1.51

ISSMFE ORDINARY AND EXTRAORDINARY ACCOUNTS 1994

ORDINARY ACCOUNTS

RECEIPTS	ACTUAL GBP	ACTUAL CHF	BUDGET GBP
Member Society Subscriptions	1194	168334	70000
Interest (less Corp.Tax)	7304		7000
Total	8498	168334	77000
(Total equivalent GBP) (1GBP = 2.13CHF)	87528		77000

EXPENDITURE	ACTUAL GBP	ACTUAL CHF	BUDGET GBP
Emoluments & Staff Costs	41515		42000
Office Costs and Equipment	1379		7500
Photocopying and Printing	1485		500
Telephone and Fax	1534		2000
Postage	2519		1800
Stationery	997		600
Audit Fees/Bank Charges	1290	358	1200
Travel & Entertainment (less refund)	17787		38000
Total	68506	358	93600
Total equivalent GBP	68674		93600
RECEIPTS less EXPENDITURE	18854		(16600)

EXTRAORDINARY ACCOUNTS

RECEIPTS	ACTUAL GBP	ACTUAL CHF	BUDGET GBP
Corporate Member Subscriptions	9558		4000
Conference Income	18666		30000
Royalties	---		3000
Sales of Slides	690		2000
Sales of Videos	---		500
Lexicon & Other Sales	574		500
Total	29488		40000

EXPENDITURE	ACTUAL GBP	ACTUAL CHF	BUDGET GBP
Conference Support	1967		15000
Proceedings and Reports	689		---
Model Library	---		500
Other Initiatives	---		4000
Videos	---		---
Slides	293		1400
Kevin Nash Gold Medal	---		---
List of Members	88		2000
ISSMFE News	6740		9000
UATI Subscriptions	1296		1350
Total	11073		33250
RECEIPTS less EXPENDITURE	18415		6750

ISSMFE - ORDINARY BUDGET

	1994 (GBP)	1995 (GBP)	1996 (GBP)	1997 (GBP)
RECEIPTS				
Member Society Subscriptions		73000	73000	74000
Interest (less Corp. Tax)		7000	7500	8000
		80000	80500	82000
EXPENDITURE				
Emoluments & Staff costs		42000	44000	44000
Office costs and Equipment		1500	2000	2000
Photocopying and printing		2000	1500	2000
Telephone and Fax		2200	2500	2500
Postage		1900	2000	2500
Stationery		700	800	1000
Audit fees / Bank charges		1200	1250	1300
Travel and Entertainment		27000	27000	27000
		78500	81050	82300
Surplus (Deficit)		1500	(550)	(300)
Accumulated Surplus Ordinary + Extraordinary Budgets	real figure 311595	294245	276445	283895

ISSMFE - EXTRAORDINARY BUDGET

	1994 (GBP)	1995 (GBP)	1996 (GBP)	1997 (GBP)
RECEIPTS				
Corporate Member Subscriptions		4000	4000	4000
Conference Income		1000	0	30000
Royalties : Proceedings / Reports		500	500	500
Sales of Slides (& video)		500	500	500
Lexicon and other Sales		500	500	500
		6500	5500	35500
EXPENDITURE				
Conference Support (incl. YGEC)		4000	6000	6000
Proceedings and Reports				
Model Library		6000	6000	0
Other Initiatives		3500	0	0
Videos				
Slides		500	750	750
Kevin Nash Gold Medal				1000
List of Members		0	0	10000
ISSMFE News		10000	10000	10000
UATI Subscriptions		1350	0	0
		25350	22750	27750
Surplus (Deficit)	reality 18288	(18850)	(17250)	7750

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 Feda	Mr Jan Bohac
Denmark	Prof Jørgen Steenfelt	Mr Jens Kammer Mortensen

MEMBER SOCIETY	VOTING MEMBER	NON-VOTING MEMBER
Ecuador	Prof Willy Lacerba*	
Egypt	Mr M Hamza	
Estonia	Mr Mait Mets	
Finland	Mr Hans Rathmayer	Mr Markhu 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 amendement 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 deletate 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".

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 Ejjaaouani
Asia	Prof Sang-Kyu Kim
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,

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 O.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 Assosication 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 Syposium 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 becuase 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 Steenfelt 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 BIAGIO
TC-2 CENTRIFUGE TESTING	JAPAN	PROF. T. KIMURA
TC-4 EARTHQUAKE GEOTECHNICAL ENGNG	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. VIGGIANI
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. ENGNG	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 presidentship 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 ARCSMFE).

The XI ARCSMFE 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. Bazarra, 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 counties 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 areunder 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 Geo-materials 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'Aquilla - 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 aborad 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, Predicition 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 Saskachewan, 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, Bankok, 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. Lutenegger (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 NGI'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 grouop 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 Precident 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

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 diffierent 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 Committes have been set up early 1994.

- No 1 Stabilization of Landslides
  Spain, E. Alonso

- 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

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 explicitely 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
- Eléments 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 - Kenote 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 Dedged Sludge
- Long Term Behavious 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 Diago, 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, Victora, 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 distirbuted, 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 Sego.
* 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, Cochambamba 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 PCSMFE) 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 (Associacao Brasileira de Mecánica 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 PCSMFE.

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 Ingienería Civil, Universidad Nacional de Ingenieria - Peru
* Facultad de Ciencias y Tecnologia, 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 Ingenieria of the Universidad Autónoma Tomás Frias in Potosi, 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 Iguaçú 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: "Associacao Brasileira de Mecánica de Solos e Engenheria 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 Pilk Design", event which will be held in Sao Paulo in year 2000.

ABMS co-organized the First Brazilian-Portugal Meeting in Environmental Geotechnics (I Jornado Luso Brasileria 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, CPEMSFMR 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.

Correspondence

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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 priviledge, 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.

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.

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 (recyling 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

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.

Divulgation

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://.lnec.pt/3RDICEG

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

APPENDIX 8 - YGEC 2000

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 prepapring 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 Tecnologia, 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 Unviersity, 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'Ingéniérie 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 Techiques 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	Establissement
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 Technolgie, Bangui
Côte d'Ivoire	ENSTP Yamoussoukro
Gabon	Ecole Polytechnique de Masuku
Guinée	Departement Génie Civil, Université de Conakry
Madagascar	JER, 4001 Avenir de l'Ocean 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 continously growing collection, finally can be administered by the ISSMFE together with the support of the hosting Member Society andof 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 Instanbul 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 U$

* 1998 till, 2001: 1000 U$/year (sponsoring ISSMFE corporate Members)

* From 2002 on :
  - expected yearly ISSMFE support : 5000 U$
  - expected corporate members support : yearly 10000 U$
  - 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 Instanbul 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 Instanbul 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) Herrn 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. WITTKE

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	-
	412,775	73,273	145,986	1,311
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	-	-
	381	74,328	-	19,418
Add: Transfers from other accounts	-	64,364	-	15,000
Less: Transfers to other accounts	120,021	15,000	-	-
Cash balance at 31 December 1995	292,373	48,309	145,986	(3,107)
Increase in cash balance	65,179	(13,426)	8,263	(4,418)

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

R H G Parry, Secretary General

Date 3 April 1996

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	-
	462,576	61,425	154,267	(3,108)
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
	405	74,452	-	20,633
Add: Transfers from other accounts	-	89,195	-	23,000
Less: Transfers to other accounts	170,028	23,000	-	-
Cash balance at 31 December 1996	292,143	53,168	154,267	(741)
(Decrease)/Increase in cash balance	(230)	4,859	8,281	2,367

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 GBP (1 GBP = 1.787 CHF) 1995	BUDGET GBP 1995	BUDGET GBP 1996	ACTUAL 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 AdaptedFebr. 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

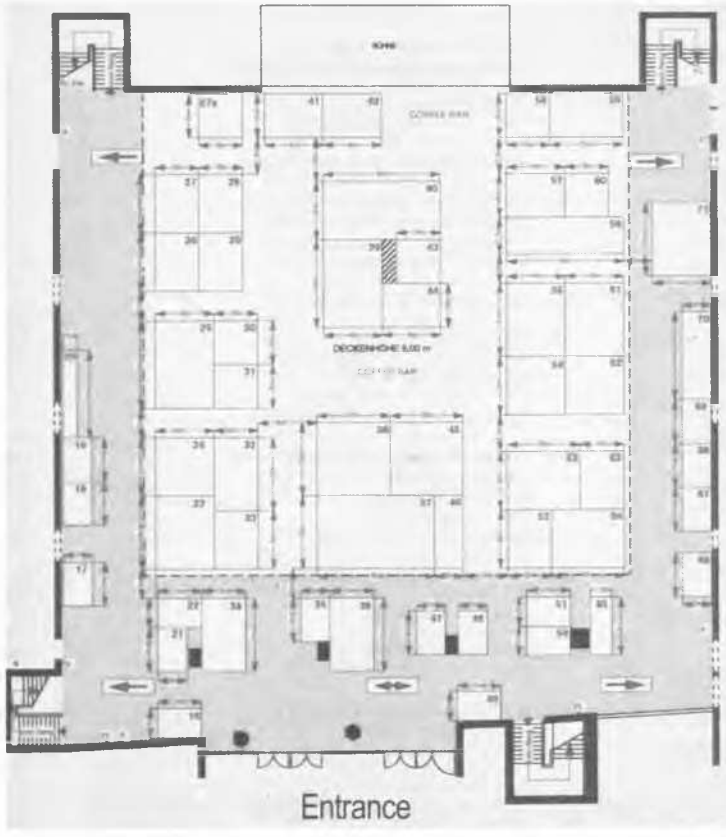
(March 1997 : 1 £ = 2.3 SFr)

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

List of exhibitors and posters

Liste des exposants et des participants aux séances des posters

Exhibition Hall 3



Exhibitors

33 Bauer Spezialtiefbau GmbH
Wittelsbacher Straße 5
D-86522 Schrobenhausen
Tel: +49-8252-97 12 33
Fax: +49-8252-97 12 21
e-mail: BAUERSOB@AOL.COM

39 BECO Bermüller & Co GmbH
Rotterdamer Straße 7
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Fax: +49-911-642 00 56

57 A.P. van den Berg Machinefabriek B.V.
Ijzerweg 4
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Fax: +31-513-63 12 12
e-mail: APB@APVDBERG.NL

60 BOMAG GmbH
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Fax: +49-6742-10 02 43

30 Thomas Broadbent & Sons Ltd.
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Fax: +44-1484-51 61 42
e-mail:
tbs@broadben.demon.co.uk

62 Bundesanstalt für Wasserbau
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Fax: +49-721-972 64 83

44 Carbo Tech Berg- und Tunnelbausysteme GmbH
Franz-Fischer-Weg 61
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Fax: +49-201-172 13 17

70 Chemical Grouting Company
Anzen Bldg., 1-6-4, Motoakasaka
J-Minato-Ku, Tokyo 107
Tel: +81-3-34 75-02 01
Fax: +81-3-34 75-15 45
e-mail: grouthyo@pub.kajima.co.jp

46 DB-Projekt GmbH
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Fax: +49-69-265 29 401

46 **Deutsche Eisenbahn Consulting**
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Fax: +49-30-63 43 10 51

1 **Deutsche Gesellschaft für Geotechnik e.V.**
Hohenzollernstraße 52
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Fax: +49-201-78 27 43

32 **Dyckerhoff Baustoffsysteme GmbH**
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Fax: +49-611-676-12 25
e-mail: PetraSchneidereit@t-online.de

56 **Dywidag-Systems International GmbH**
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D-85609 Aschheim
Tel: +49-89-92 67-105
Fax: +49-89-92 67-252

19 **ECSMFE '99**
Geotechnical Engineering for Transportation Infrastructure
P.O. Box 30424
NL-2500 GK The Hague
Tel: +31-70-391 98 90
Fax: +31-70-391 98 40

42 **Ingenieurbüro EGEY**
Waseneckstraße 16
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Fax: +49-7854-90 79

27 **ELE International LTD**
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48 **Environmental Mechanics AB**
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11 **GDS Instruments Ltd**
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66 **GeoEng 2000**
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e-mail: ICMS@PtyLtd

3 **GEOKON, Inc.**
Geotechnical Instrumentation
48 Spencer Street
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Fax: +1-603-448 32 16

26 **GeoMil Equipment**
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Fax: +31-172 42 78 01

68 **Geonor AS**
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Fax: +47-67-14 58 46
e-mail: geonor@telepost.no

51 **Geophysik GGD**
Bautzner Straße 67
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Tel: +49-341-242 11 80
Fax: +49-341-242 12 31

28 **Geo-Slope International Ltd.**
1400, 633 - 6th Avenue SW
CA-T2P-2Y5, Calgary, AB
Tel: +1-403-269-20 02
Fax: +1-403-266-48 51
e-mail: JohnK@geo-slope.com

16 **Geotech AB**
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Fax: +46-31-68 16 39
e-mail: sales@geotech.se

24 **Geotechnics Holland BV**
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Fax: +31-20-694 14 57

6 **Geotest Instrument Corp**
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Fax: +1-847-491 79 55

53 **GGB Gesellschaft Geomechanik u. Baumeßtechnik mbH**
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Fax: +49-34206-57 55 62
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