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ISSS SECRETARIAT

bulletin

of the international society of soil science

bulletin

de l'association internationale de la science du sol

mitteilungen.

der internationalen bodenkundlichen gesellschaft

No. 51

1977/1

**INTERNATIONAL SOCIETY OF SOIL SCIENCE
ASSOCIATION INTERNATIONALE DE LA SCIENCE DU SOL
INTERNATIONALE BODENKUNDLICHE GESELLSCHAFT**

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Prof. Dr. h.c. F. Scheffer, Institut für Bodenkunde der Universität Göttingen, 34 Göttingen
Von-Siebold-Str. 4, Bundesrepublik Deutschland

Commissions/Commissions/Kommissionen - Chairmen/Présidents/Voritzende

I - Soil physics/Physique du sol/Bodenphysik

Prof. Dr. M.F. de Boodt, State Agricultural University, Coupure 533, 9000 Gent, Belgique

II - Soil chemistry/Chimie du sol/Bodenchemie

Prof. Dr. W. Flaig, Institut für Biochemie des Bodens, Forschungsanstalt für Landwirtschaft,
Bundesallee 50, 3301 Braunschweig, Bundesrepublik Deutschland

III - Soil biology/Biologie du sol/Bodenbiologie

Prof. Dr. sc. agr., Dr. h.c., G. Müller, Bodenkunde u. Mikrobiologie
Martin-Luther-Universität Halle, 402 Halle, Weidenplan 14, Deutsche Demokratische Republik

**IV - Soil fertility and plant nutrition/Fertilité du sol et nutrition des plantes/
Bodenfruchtbarkeit und Pflanzenernährung**

Dr. C. Hera, Institut Central de Recherches Agricoles, Bd. Marasti 61, Bucarest, Roumanie

**V - Soil genesis, classification and cartography/Genèse du sol, classification et cartographie/
Bodengenetik, Klassifikation und Kartographie**

Prof. Dr. Ing. M. Cirić, Lenina, Sumarski fakultet, 71000 Sarajevo, Yugoslavia

VI - Soil technology/Technologie du sol/Bodentechnologie

Dr. V.V. Egorov, Dokuchaev Institute of Soil Science, Pyjevski 7, Moscow-17, U.S.S.R.

VII - Soil mineralogy/Minéralogie du sol/Bodenmineralogie

Prof. Dr. L. Pavel, Dept. of Soils and Geology, Agricultural University
(V.S.Z.), Prague 6 - Suchbát, Czechoslovakia

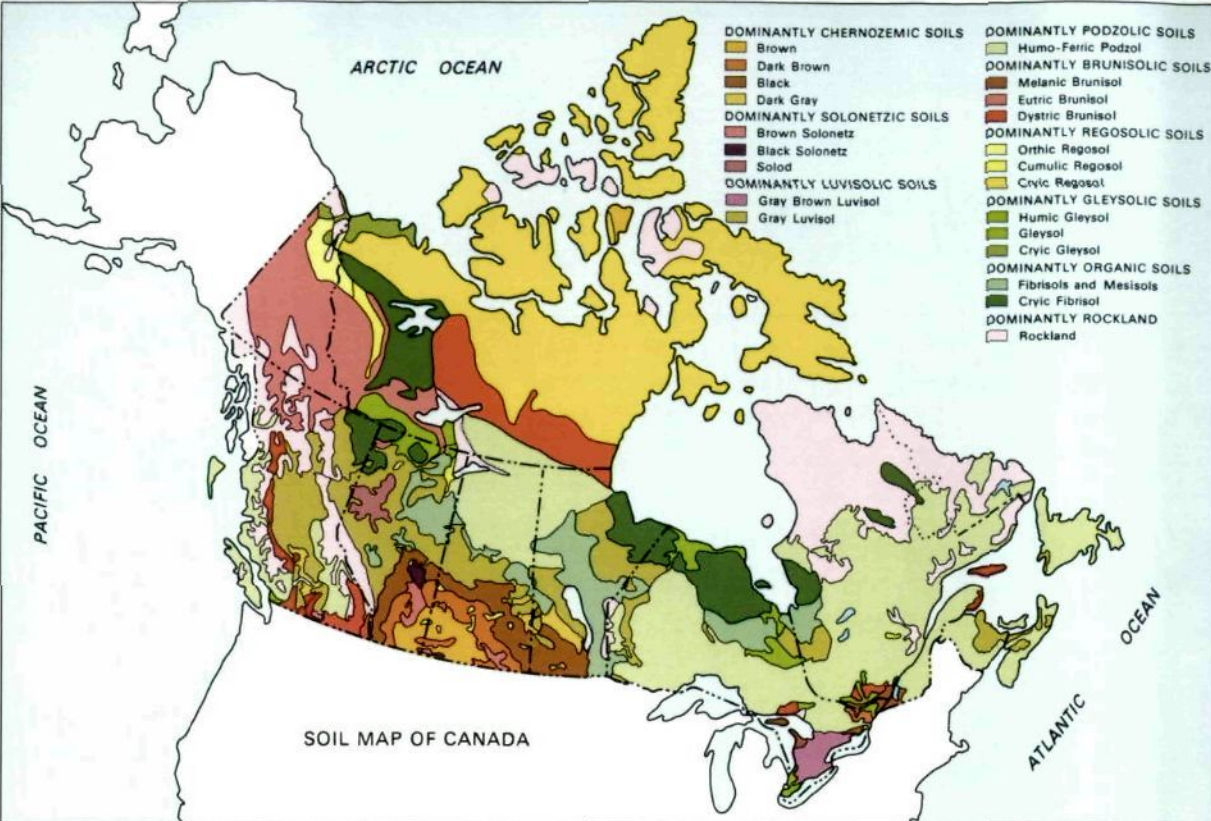
SOILS OF CANADA

Soils of Canada is the first comprehensive description and analysis of the Canadian soil resource. It presents an account of all the important factors in the formation, distribution, and utilization of the various soils of Canada. This publication was prepared jointly by The Canada Soil Survey Committee and The Soil Research Institute of the Canada Department of Agriculture.

Volume I, *Soil Report*, provides information about the Canadian soil resource at both the general and technical levels. It is divided into four parts: Soil Concepts; Biophysical Environment of Canadian Soils; Description of Soils and Mapping Units; and Correlation Between the Canadian, United States, and World (FAO) Systems, Soil Climate Data and Classification for Selected Canadian Stations, Morphological, Physical, and Chemical Properties of Selected Soils. There are 20 line drawings and 144 colored photos in 243 pages of text.

Volume II, *Soil Inventory*, which contains 239 pages, provides access to a wide range of information about any soil area delineated on Soil Map of Canada, 1:5,000,000. The distribution of soil temperature and soil moisture regimes is shown on a second map *Soil Climates of Canada*, 1:10,000,000 in color.

All these materials and a copy of *Glossary of Terms in Soil Science*, 44 pages, in a bookcase tray are available by mail from Publishing Centre, Printing and Publishing, Supply and Services Canada, Ottawa, Ontario K1A 0S9, or through your bookseller, after February 15, 1977. Catalogue No. A53-1544/1-1976. Price: Canada \$25.00; other countries \$30.00.



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aan: ^{aan} Dr. W. J. Sombroek

d.d.: 6 juli 1982

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namens Prof. Benneema

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Suitably qualified candidates, interested in this position, may obtain further details from:

Prof. Ir. A.J. Van der Weele
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SOIL INFORMATION SYSTEMS

Proceedings of the meeting of the ISSS Working Group on Soil Information Systems held at Wageningen, The Netherlands, 1-4 September, 1975, 93 pages.

Edited by: Stein W. Bie
Published by: Centre for Agricultural Publishing and Documentation
Wageningen, The Netherlands

Under the auspices of the International Society of Soil Science and the Food and Agriculture Organization of the United Nations, designers of soil information systems, and their geological, geographical and cartographic colleagues reviewed current methods of data capture and input, management systems for advanced data bases and automated cartography, and discussed user needs in developed and developing countries.

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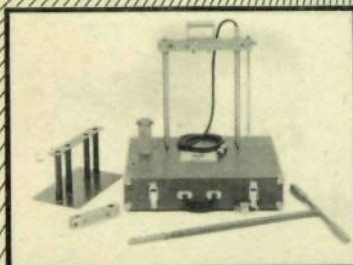
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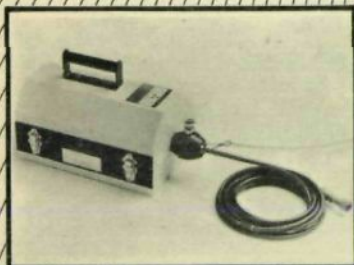
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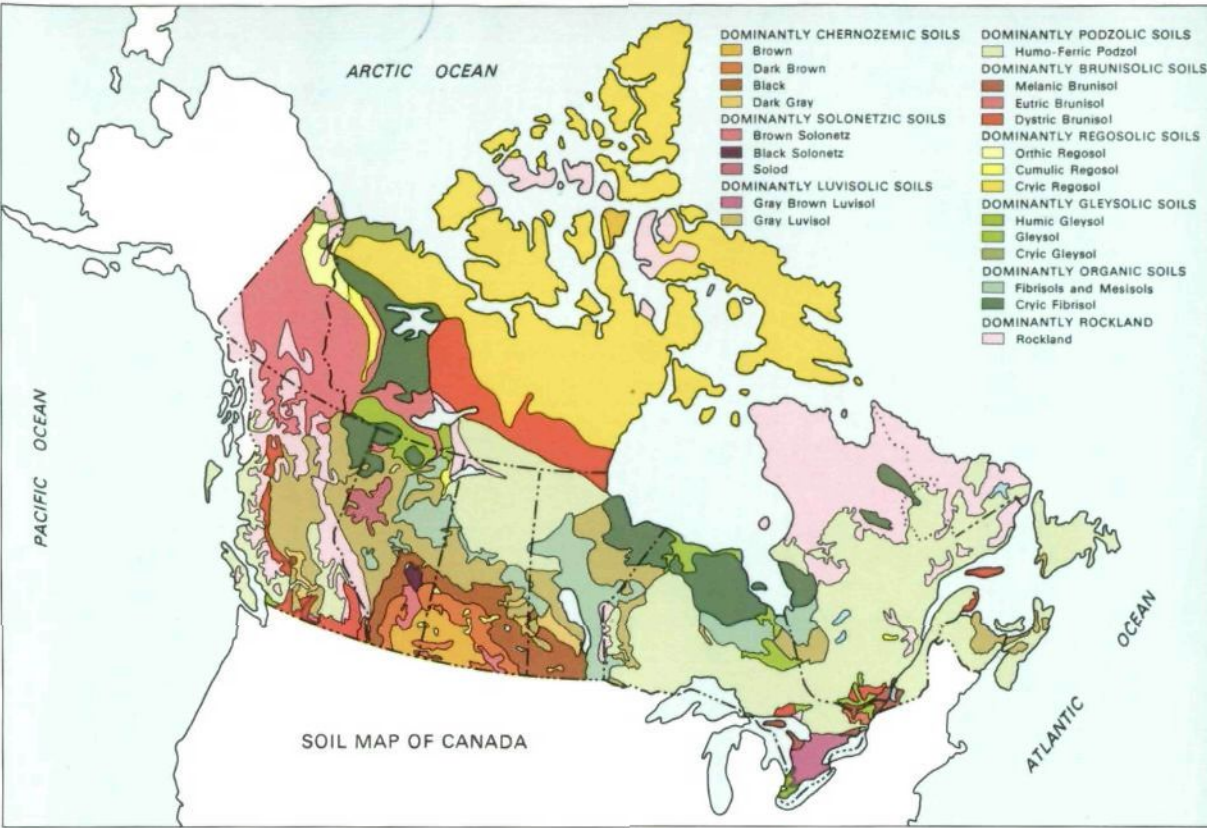


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Price: Canada: \$25.00 [2 volumes]
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Aan de Nederlandse leden van de ISSS

In het laatste Bulletin van de Internationale Bodemkundige Vereniging is een voorstel opgenomen tot wijziging van de reglementen. In dat Bulletin bevindt zich een geel formulier waarop u uw voorkeur duidelijk kunt maken. Dr. E.G. Hallsworth, voorzitter van de Commissie voor de Reglementen, heeft het Bestuur van de Nederlandse Bodemkundige Vereniging laten weten dat per 7-9-1977 nog vrijwel geen reacties waren ontvangen. Hij heeft derhalve het Bestuur verzocht te willen bevorderen dat de formulieren tijdig, dat is voor 31 december 1977 aan hem worden toegezonden. Overwegende dat de reglementen voor Nederland wel van belang kunnen zijn, maar dat veel nederlandse leden van de ISSS niet erg warm lopen voor die reglementen, heeft het Dagelijks Bestuur de voorgestelde veranderingen in de reglementen bestudeerd en waar dit van belang leek een voorkeur uitgesproken. In het algemeen zijn de door de Commissie met een sterretje aangeduide voorstellen overgenomen. Dat is niet gebeurd met rule H.2iP omdat daar wordt uitgegaan van een splitsing van de huidige gecombineerde functie van Secretary General en de Treasurer, iets wat het Bestuur minder wenselijk voorkomt, daarbij overwegende dat wellicht andere dan strikt bodemkundige belangen ten grondslag hebben kunnen liggen aan dit voorstel tot splitsing van functies.

Bij de niet van een sterretje voorziene voorstellen hebben de volgende overwegingen gegolden:

D.5B Het lijkt het Bestuur wenselijk het verslag van de Secretary General tijdig op schrift te hebben.

F.1A(1) Het Bestuur meent dat het een nederlands belang kan zijn de functie van Secretary General en Treasurer in één hand te houden en niet tot splitsing over te gaan. Het voorstel drie Vice-presidenten te benoemen heeft de instemming van het Bestuur, met het oog op spreiding van vertegenwoordiging.

F.3B Vloeit voort uit F.1A.

F.4aP Vervalt omdat niet gekozen is voor een Deputy Secretary General, zoals werd voorgesteld in F.1C(2).

F.8P en F.9P lijken zinvolle aanvullingen.

H.2bE en H.2cE Het Bestuur kiest voor een Secretary-General/Treasurer.

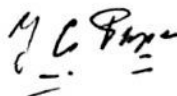
I.10A Het Bestuur neemt de argumenten van de Commissie over.

Hierbij ingesloten vindt u een afdruk van een stembiljet zoals dat door het Bestuur van de NBV zou zijn ingevuld.

Het ligt uiteraard niet in de bedoeling de mening van diegenen die zich actief voor de reglementen interesseren te beïnvloeden. Mogelijk dient het het gemak voor diegenen wier interesse minder naar de reglementen uitgaat, maar wie wel het belang van de nederlandse bodemkunde ter harte gaat.

Het Bestuur nodigt u dan ook uit in elk geval een stembiljet in te vullen en het te zenden aan het adres van Dr. E.G. Hallsworth dat onderaan uw stembiljet is vermeld.

Namens het Dagelijk Bestuur,



(Ir. J.C. Pape)
secretaris.

VOTING SHEET

BULLETIN DE VOTE

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Dr. E.G. Hallsworth
CSIRO - Land Resources Laboratories
Private Bag 2
Glen Osmond, S.A. 5064, Australia

by: 31 Dec. 1977
avant: 31 Déc. 1977
vor: 31 Dez. 1977

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- Note:
- There will be no accommodation reservation without \$100 deposit.
 - University Residence accommodation will be limited to first 1,800 applicants.
 - *There is no guarantee of any accommodation if registration is received after 30 April, 1978.*

Tours:

Local Mid-Congress one-day tours (may be limited to one per person if too many requests received) \$25/tour

Pre- and Post-Congress tours
See descriptions and costs, pages 5-11.
Deposits required as specified on Registration Form.

ISSS MEMBERSHIP

Membership in the International Society of Soil Science is open to all persons and institutions engaged in the study and application of soil science. Membership applications can be addressed to the National Societies or directly to the Treasurer. The yearly subscription, due each January, is 3 U.S. dollars, or equivalent in any other convertible currency. In order to reduce bank charges it is recommended that subscriptions be remitted, whenever possible, through medium of the National Societies. Individual payments, however, can be made by cheque, by international money order or by direct transfer into the ISSS bank account.

Mail to:

International Society of Soil Science
c/o Dr. J. A. Toogood
Department of Soil Science
University of Alberta
Edmonton, Canada T6G 2E3

The low subscription fee aims at making the Society accessible to all those interested in participating in its activities. Voluntary contributions by sponsors of the Society will be highly appreciated and acknowledged in the Bulletin.

NEWS OF NATIONAL SOCIETIES

The Organizing Committee for the 11th ISSS Congress wishes to be able to correspond with the National Societies. All national soil science societies are therefore requested to send the names and addresses of their President and Secretary to:

The Organizing Committee
11th ISSS Congress
Box 78, Sub. 11
University of Alberta
Edmonton, Canada T6G 2E0

SECOND AND FINAL ANNOUNCEMENT



ELEVENTH CONGRESS

**INTERNATIONAL SOCIETY
OF SOIL SCIENCE**

**DE L'ASSOCIATION INTERNATIONALE
DE LA SCIENCE DU SOL**

**DER INTERNATIONALEN
BODENKUNDLICHE
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19-27 JUNE 1978

EDMONTON, ALBERTA
CANADA

Sponsored by
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CORRECTIONS

PAGE 7: TOUR NO. 4 SHOULD BE NO. 14
PAGE 10: TOUR NO. 8 SHOULD BE 12 JUNE - 17 JUNE
TOUR NO. 16, SAME ROUTE, 28 JUNE-2 JULY
TOUR NO. 18 IS POST-CONGRESS

SECOND AND FINAL ANNOUNCEMENT

ELEVENTH CONGRESS INTERNATIONAL SOCIETY OF SOIL SCIENCE

Edmonton, Canada 19-27 June 1978

The International Society of Soil Science (ISSS) is a world organization of soil scientists and membership is open to all persons and institutions engaged in the study and applications of Soil Science. English, French and German are the official languages of the Society and each may be used in presentations to, and transactions of, the Congress. The Society has seven Commissions as follows:

- I. Soil Physics
- II. Soil Chemistry
- III. Soil Biology
- IV. Soil Fertility and Plant Nutrition
- V. Soil Genesis, Classification and Cartography
- VI. Soil Technology
- VII. Soil Mineralogy

In addition, there are some eight other special interest groups most of which are related to the Commissions listed. ISSS Congresses are normally held at four-year intervals and in recent times locations have been:

1960 Madison, Wisconsin, U.S.A.
1964 Bucharest, Romania
1968 Adelaide, Australia
1974 Moscow, U.S.S.R.

The Eleventh ISSS Congress is to be held in Edmonton, Canada in June 1978 with headquarters at the University of Alberta.

This brochure has been prepared for the information of soil scientists who are not now members of the ISSS as well as for earth scientists and others who may be interested in the possibility of participating in the 11th ISSS Congress. French and German versions of this announcement can be provided on request. For additional copies of this brochure and other information about Edmonton and the Congress please write:

11th ISSS Congress
Box 78, Sub. 11
University of Alberta
Edmonton, Canada T6G 2E0

A registration form is enclosed. This must be completed and forwarded with the appropriate deposits indicated, by the deadlines shown, in order to be assured of accommodation and space on tours.

PROGRAM FOR ACCOMPANYING PERSONS

Registration of spouses and accompanying adults will include their participation in Congress ceremonies, admission to technical sessions and displays, as well as attendance at many entertainment and social activities. There will also be an extensive program of daytime excursions, visits and sightseeing for all interested accompanying persons, including children. Tickets will be sold for some of these activities, while others will be free.

There will be no specific program for children but they will be welcome at any of the above activities when accompanied by an adult.

Edmonton is a young modern city of 500,000. The weather in June is normally very pleasant with daytime maxima ranging from 15 to 25 degrees Celsius. Upon receipt of registrations, participants will be sent further information concerning weather and clothing for the season.

The City of Edmonton will host the Commonwealth Games in August 1978. By the time of the Congress new athletic facilities and a new subway (metro) will be in service. Other city attractions include a provincial museum, a planetarium, a children's zoo, several modern shopping centres, horse racing, a restoration of Old Fort Edmonton, a variety of modern factories and processing plants, and a large petro-chemical complex.

Short rural excursions enable visits to Elk Island National Park (buffalo and other native animals), to oil fields, the Alberta Game Farm (a widely known outdoor zoo) and to attractive farming areas.

Congress participants will be able to select activities to meet their individual interests.

SCHEDULE OF COSTS (in Canadian dollars)

Registration Fees:

For ISSS member, if received before 30 April, 1978	\$100
For non-member, if received before 30 April, 1978	120
For student (actually enrolled, June, 1978)	50
Accompanying person (excluding children)	25
Extra charge for participant registering after 30 April	25

Accommodation:

In University Residence, excluding meals	
Per person, single occupancy	\$13/day
Per person, double occupancy	\$11/day
Meals: option of cash basis or \$9/day meal ticket	
In Hotels and Motels, excluding meals	
Class 1. Per person, single	\$25-30/day
Per person, double	17-20/day
Class 2. Per person, single	\$18-25/day
Per person, double	12-15/day
Meals at restaurants total	\$10-18/day

Deposit required for accommodation reservation at University Residence, Hotel or Motel .. \$100

GENERAL PROCEDURES, GUIDELINES AND CONDITIONS

1. Individual scientists may submit only one paper as first author and/or not more than one paper as a second author.
2. One of the authors must present the paper.
3. The original and two copies of the Presentation Statement and Abstracts should be sent to:
Congress Manager
11th ISSS Congress
University of Alberta
Edmonton, Canada T6G 2E0
4. Presentation of papers at Commission Sessions:
 - A. A maximum of 25 minutes will be allocated for each paper; approximately 15 minutes for presentation and about 10 minutes for discussion.
 - B. In order to protect the audience from having unsuitable slides and transparencies inflicted upon them, authors of all accepted papers will be provided with explicit guidelines for preparation of slides and transparencies containing tabular or graphical material. Such guidelines will be mailed when the authors are informed that their papers have been accepted for presentation.
 - C. The Organizing Committee reserves the right to select and edit all submissions and abstracts.

Important Deadlines

- 1 October 1977. Receipt of Presentation Statements and Abstracts from those offering papers for presentation at the Congress.
- 1 November, 1977. Tour deposits should be in by this date to avoid disappointment.
- 30 April, 1978. Receipt of registration form and deposit so as to avoid \$25.00 late registration charge.

POSTER SESSION PRESENTATIONS

"Poster sessions" are a recent innovation for presentation of scientific reports at large scientific meetings. A limited number of participants in the 11th ISSS Congress will have the opportunity to make such presentations.

For Poster sessions a number of authors will be assigned individual areas in a large room or hallway. Each author will have a display panel of about 3 square meters on which he or she will mount "posters" for display. The "posters" may consist of tables, graphs, photographs, etc., as well as rather brief statements. All display material should be easily readable at a distance of about 2 meters. Authors of papers being presented at Poster Sessions are expected to be at their displays for periods of two to four hours during the half day for which their presentation is scheduled. They should explain and/or discuss their material with interested participants who visit the display area. Of course, those electing to make Poster presentations may have abstracts, summaries or copies of their papers for distribution to interested visitors. Reproduction facilities will be available for making copies of such materials at cost.

Congress participants electing to present their papers at *Poster Sessions* will be provided with detailed explanations and guidelines for preparation of their displays at the time they are notified that their papers have been accepted for presentation at the Congress.

PROGRAM INFORMATION

THEME: Optimum soil utilization systems under differing climatic restraints.

PLENARY SESSIONS: Technically world food production is limited by soils, climate and man's ability to harness soils and plants into an efficient production system. Five plenary sessions of the 11th ISSS Congress will be devoted to the major climatic regions of the world and speakers will document for each:

1. The soils, their significant limitations for food production, and the overriding climatic restraints; and
2. Present dominant farming systems in comparison to optimum utilization of the soils concerned.

Invited specialists of international stature will discuss these topics for each of the five major climatic regions as follows:

- (i) Polar.
- (ii) Humid Microthermal.
- (iii) Humid Mesothermal.
- (iv) Dry Desert and Steppe.
- (v) Rainy Tropical.

SYMPOSIA: Six symposia are planned on the following themes:

1. Isotopes in Action.
2. Resource Information Systems.
3. Soil Deterioration and Reclamation.
4. Utilization of Northern Canadian Soils.
5. Soil Structure.
6. Long Term Outlook Regarding Soil-Climate Inter-relationships.

COMMISSIONS: Commission sessions are on topics that are of high current interest to soil scientists and will usually be supportive of the general Congress theme. Some Commission sessions will be available to accommodate papers submitted on topics of general interest. Commissions will give preference to papers submitted on the following topics:

Commission I (Soil Physics)

1. Frozen soils.
2. Soil physics and soil engineering.
3. Field measurement of physical properties.

Commission II (Soil Chemistry)

1. Radioisotopes in soil science.
2. Chemistry of humic substances.
3. Stability of soil minerals.
4. Nitrogen in the soil system—transformations and transport.
5. Chemistry of heavy metals.
6. Chemistry of soil reclamation.
7. Organic chemicals in the soil environment.

Commission III (Soil Biology)

1. Tracer aided investigations and modelling of soil organisms and organic matter turnover.
2. Plant-microbial interactions in nutrient absorption.

3. Characterization of soil populations of different climatic regions and effect of environmental parameters on soil processes.
4. The characterization of soil enzymes and their roles.
5. Nitrogen in the soil system, — the role of nitrogen fixation in optimizing the use of soil resources to be emphasized.

Commission IV (Soil Fertility and Plant Nutrition)

1. Techniques in soil fertility and plant nutrition research.
2. Wastes as an alternative source of plant nutrients.
3. Root growth in relation to soil physical properties.
4. Nutrient balance in tropical soils.
5. Optimizing soil fertility programs for different climatic regimes.

Commission V (Soil Genesis, Classification and Cartography)

1. Applications of remote sensing in soil science.
2. Innovations in teaching soil genesis and classification.
3. Paleopedology.
4. Theories of soil genesis.

Commission VI (Soil Technology)

1. Terrain sensitivity in tundra ecosystems.
2. Assessment of soil quality for food and fiber production.
3. Implications of climatic change for food and fibre production in humid microthermal regions.
4. System analysis and simulation models in land planning.
5. Advances in fertilizer technology.
6. Soil and climatic limitations to crop production in rainy tropical regions.
7. Technology for reclamation of disturbed lands.

Commission VII (Soil Mineralogy)

1. Crystal chemical properties of clay minerals.
2. Corrosion in soil—chemical and clay mineralogical relationships.
3. Solid state chemistry of Fe and Al in soils.
4. Micromorphological aspects on weathering.
5. Microscopy of soil materials.

SPECIAL INTEREST AND WORKING GROUPS

The Organizing Committee for the 11th ISSS Congress is anxious to accommodate special interest and working groups that may wish to have meetings during the Congress. There is a Sub-Commission on Salt Affected Soils and seven Working Groups of the Society. Because of great interest in forestry and soils, a special meeting is being arranged for that topic. In addition, some of the Commissions may wish to have business or other special meetings at times other than those in the program for presentation of papers.

All groups wishing to have a **time** and **accommodation** reserved for such purposes are requested to write to the address shown on page 2 and request such arrangements, indicating approximate number of individuals likely to be involved.

It will be the responsibility of each such group to arrange its own agenda.

Transactions Transactions are the technical publications of the Congress. Papers presented at plenary sessions and by invited speakers at the symposia will be published in full while papers accepted for presentation in Commissions and at Poster sessions will be published in **abstract** form. Instructions regarding papers to be presented by invited speakers will be included in the letters of invitation to those speakers.

Abstracts submitted by the authors (including their mailing addresses) will be published in English, French and German. The transactions will be available without charge to Congress participants when they register.

Submission of Papers Members wishing to present a paper should submit a written copy of their proposed oral presentation (including tables, figures, etc.) but **not exceeding 1,800 words**. These statements, hereafter called "Presentation Statements," will be used by the simultaneous interpretation staff when the presentations are made at the Congress. Thus, authors should ensure that the statements are prepared in their final form. The statements will be reviewed by scientists in the various Commissions and will form the basis for selection of papers to be presented at the Congress. Important criteria for acceptance of papers will be originality of material and their relation to themes of the Commission programs (see Program Information, pages 3 & 4). A limited number of papers will be accepted that are not related to the Congress theme. Authors should indicate the Commission and subject heading where they wish their paper to be considered.

Presentation Statements being submitted should reach the Congress Manager not later than 1 October 1977. An immediate acknowledgement will be made upon receipt of the submission and the author will be advised of the decision regarding acceptance of the paper as promptly as possible, but not later than 31 December 1977. The statements should be typewritten, double spaced on one side of the paper (21 x 28 cm) and in one of the three official languages — English, French or German. It would be greatly appreciated if an English translation could be provided for statements submitted in French or German. Submissions not accepted will be returned to the authors. At the Congress, papers may be presented in the traditional manner or at a poster session (see section on Poster Session Presentations, page 14).

Abstracts An abstract of 100-150 words must accompany the Presentation Statement. It is hoped that authors will submit abstracts in three official languages and thereby avoid the need for translation. However, translation can be provided if necessary.

Copies of Submitted Papers Individuals presenting papers may bring copies of their full papers to the Congress if they so desire. Lists of such papers will be available at the Congress and participants wishing copies of such papers and/or copies of the Presentation Statements may have them reproduced at cost during the Congress. Only abstracts of papers presented in Commission Sessions will be published by the Congress. Therefore, authors presenting papers to Commission Sessions may offer their full papers for publication elsewhere, such as in national journals, if they so wish.

DISPLAYS

The Organizing Committee is planning for extensive displays at the Congress. In addition to commercial displays of equipment and services, these will include:

- Soil monoliths, accompanied by extensive data and descriptions, illustrating the Canadian System of Soil Classification. Most of these monoliths will be from the soil pits visited by the Congress field tours.
- Extensive displays illustrating land use in Canada.
- The première of a film "The Soils of Canada."
- A wide array of other Canadian and non-Canadian films.
- Soil science and land use publications from across Canada.
- Soil testing in the Prairie Provinces.
- Color transparency slides showing Canadian soils (including field tour pit stops) and soil management practices in Canada. Duplicates of these slides may be purchased by Congress participants at cost during the Congress.
- Some large trailer-truck transported, permanent displays, of the National Museums of Canada. Rather similar displays will also be on loan from a Canadian philanthropic foundation.

It is planned that the general public in Edmonton and vicinity will be invited to visit the Congress displays for limited periods during the Congress.

SOILS OF CANADA

Agriculture Canada has just published two volumes entitled **The Soils of Canada**. The first deals with the soil resource in technical and analytical terms. The second volume provides environmental and soil map information. **The Soils of Canada** will be on sale at the Congress for \$25.00. (Charge for sales outside of Canada is \$30.00.)

SUBMISSION AND PRESENTATION OF PAPERS

General Policy The Organizing Committee for the 11th Congress has introduced some new procedures for the transactions of the Congress and for presentation of papers. The reasons for introducing these new procedures were presented in ISSS Bulletin No. 48, December 1975, p. 4-6 and members should read that article. The new procedures have been incorporated into the policy for the 11th Congress and the details are presented herein.

In conformity with ISSS policy, the number of papers accepted for presentation at plenary sessions, Commission meetings and poster sessions will be restricted to 400.

TOURS FOR THE CONGRESS

- All tours have a limited number of spaces. Priorities will be assigned as deposits are received until the available spaces are taken.
- It is advisable to list second and third choices for tours as first choice may be filled or cancelled.
- Deposits will be returned if a tour is filled or cancelled and no second or third choice has been listed.
- The Organizing Committee must post large deposits for accommodation on all tours by November 1977. Tours cancelled at that time because of low registrations for them cannot be restored later even if there is high interest.

- Notes:**
1. A sheet summarizing tour details accompanies the registration form.
 2. Each tour participant will be sent details regarding time and place for commencement and termination of his tour, including specification of meal and accommodation provision, as soon as the tour deposit is received.

Pre-Congress Tour No. 1 Cost \$680 (Canadian)
Nine days—Nine nights.
Assemble Charlottetown (P.E.I.) 8 June;
Disperse Toronto (Ont.) 17 June.

Post-Congress Tour No. 10 Cost \$680 (Canadian)
Nine days—Nine Nights
Assemble Toronto (Ont.) 28 June;
Disperse Halifax (N.S.) 7 July.

Route: Charlottetown (Prince Edward Island); Amherst, Kentville, Halifax (Nova Scotia); by air to Quebec City; Drummondville, Montreal (Quebec); Ottawa, Guelph (Ontario); Disperse Toronto (Ontario).

- Note 1: Tour 10 travels in reverse direction to Tour 1.
Note 2: Interconnecting airlinks, Quebec City to Charlottetown included in cost, but Toronto-Edmonton airfare must be arranged or purchased by participant.

Highlight: The tour examines a range of soils on glaciated terrain across maritime and interior climates, emphasizing management problems for differing uses. On the east coast it examines Luvisolic and Podzolic soils on rolling land under mixed farming, silviculture, and orchard. The Quebec portion includes forested Podzols in the Laurentian Highlands, part of the agricultural St. Lawrence Lowlands with Humic Gleysols on marine sediments, and a horticultural area with organic soils. The Ontario section commences in Ottawa. The Great Lakes Lowlands and peripheral uplands display striking contrasts of geology, vegetation, and low and high intensity uses. Brunisolic, Luvisolic and Gleysolic soil sites are examined. The tour visits Niagara Falls before concluding in Toronto and flying to Edmonton.

Pre-Congress Tour No. 2 Cost \$375 (Canadian)
Five days—Five nights.
Assemble Winnipeg (Man.) 12 June;
Disperse Edmonton (Alta.) 17 June

Post-Congress Tour No. 11 Cost \$375 (Canadian)

Five days—Five nights.
Depart Edmonton (Alta.) 28 June;
Disperse Winnipeg (Man.) 2 July.
Route: Winnipeg (Manitoba); Regina, Saskatoon, Lloydminster (Saskatchewan); Edmonton (Alberta).

Note: Tour 11 travels in reverse direction to Tour 2.

Highlights: This tour by bus traverses the three prairie steppes of Manitoba, Saskatchewan and Alberta. Chernozemic and Solonchic soils and their various uses, both under dryland farming and irrigation will be observed in the Black and Dark Brown soil zones. Minor areas of Brown and Dark Gray soils will be traversed. Glacial landforms and deposits and the subsequent soil development due to variations in regional climatic, vegetative and drainage conditions will be of particular interest to participants from unglaciated areas. Time permitting, points of interest will be visited en route and in Winnipeg, Brandon, Saskatoon and Regina.

Pre-Congress Tour No. 3 Cost \$500 (Canadian)

Eight days—Eight nights
Assemble Vancouver (B.C.) 9 June;
Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 12 Cost \$500 (Canadian)

Eight days—Eight nights.
Depart Edmonton (Alta.) 28 June;
Disperse Vancouver (B.C.) 5 July
Route: Vancouver, Hope, Penticton, Vernon, Revelstoke, Golden (British Columbia); Banff, Jasper, Edmonton (Alberta).

Note: Tour 12 travels in reverse direction to Tour 3.

Highlights: This tour provides a broad cross-section of southern British Columbia and western Alberta landscapes including mountains, valleys, foothills and plains. The route passes through mixed and grain farming, irrigated tree fruit, forested and recreation areas. Emphasized is the diversity of soil developments occurring in Western Canada. Climatic regions ranging from over 250 cm/year of precipitation to less than 25 cm/year will be traversed and elevations will range from sea level to 2,200 m. Examples of Podzolic, Luvisolic, Brunisolic and Chernozemic soil developments will be exhibited and related to vegetation and climatic zones. Spectacular mountain scenery, including the Rocky Mountains, Okanagan Valley, Lake Louise and Columbia Ice Fields will provide interesting settings.

Pre-Congress Tour No. 4 Cost \$440 (Canadian)

Five days—Six nights.
Assemble Vancouver (B.C.) 11 June;
Disperse Vancouver (B.C.) 17 June.
Route: Vancouver, Victoria, Parksville, Tofino, Nanaimo, Vancouver (British Columbia).

Note: Interconnecting airlin fare Vancouver-Edmonton not included but must be arranged or purchased by participant.

Highlights: Originating with a scenic trip by ferry through the islands of the Gulf of Georgia, the tour covers many of the diverse environments encountered on the West Coast of Canada. It includes Brunisolic and Podzolic soils of the mixed farming and urban areas in the Mediterranean-type

Post-Congress Local Tours V3 and V4 Cost \$30 (Canadian)

Tour V3: One day—6 July.
Tours V4: One day—6 July.
Route: Tours V1 and V3—Vancouver, Haney, Vancouver (British Columbia).
Tours V2 and V4—Vancouver, Westham Island, Delta, Abbotsford, Vancouver (British Columbia).

Two Pre- and Post-Congress tours originate in Vancouver, British Columbia, both of which will illustrate agricultural-urban land use conflicts in the Lower Fraser Valley. The major emphasis of Tour V1 and V3 will be on forest management and operations in relation to some of the forest soils at the University of British Columbia Research Forest at Haney. The route from Vancouver to Haney will traverse the north side of the Lower Fraser Valley. Tour V2 and V4 travels south and east of Vancouver via Westham Island, Delta and Abbotsford with the major emphasis on deltaic-marine soils, their use and special management problems. Of interest will be water management features such as new dyking and pumping facilities. Also included on this tour are visits to small fruits research plots and two soil pits (Podzolic and Gleysolic soils).
Note: Tour V1 or V2 could be combined with Tour 3 and Tour V3 or V4 with Tour 12.

Mid-Congress Local Tours Cost \$25 (Canadian)

One day
Tours will be scheduled to accommodate as many participants as possible.

Route: E1—Edmonton, Ellerslie, Cooking Lake Moraine, Edmonton (Alberta).
E2—Edmonton, Elk Island Park, Vegreville, Edmonton (Alberta).
E3—Edmonton, Calmar, Breton, Edmonton (Alberta).

The Edmonton Local Tours have been designed to illustrate soils and land use in the Edmonton region, part of the forest-grassland transition zone of the Great Plains of Canada. Edmonton Local Tour 1 (E1) will take participants south of the city to that portion of the University of Alberta farm at Ellerslie used for soil research (Chernozemic soils) and east into a large stagnant ice moraine (Luvisolic soils). Edmonton Local Tour 2 (E2) will travel east through Elk Island National Park to the Agriculture Canada Solonchic Soil Research Substation at Vegreville (Solonchic soils). Edmonton Local Tour 3 (E3) will travel south to Calmar (Chernozemic soils), then west to Breton and the site of long-term (45 years) research plots on the management of Luvisolic soils.

GUIDEBOOKS

A guidebook has been prepared for each of the tours and will be provided to each of the tour participants. Registrants not participating on a particular tour will have the opportunity to purchase a guidebook for any of the tours. The guidebooks will include both a general and daily itinerary of the tour route, an overview of the entire route with discussion related to soils, climate, vegetation, geology, agronomic data, and land use. Detailed soil profile descriptions together with physical, chemical, mineralogical and micromorphological analyses will be presented. The guidebooks will be of enduring use and interest, especially for those engaged in teaching and/or research in Soil Science.

Post-Congress Tour No. 15 CANCELLED
Tour to Peace River District.

Pre-Congress Tour No. 8 Cost \$315 (Canadian)
Five days—Five nights.
Assemble Edmonton (Alta.) 12 June;
Disperse Edmonton (Alta.) 2 July.
Route: Edmonton, Calgary, Banff, Lake Louise, Jasper,
Edmonton (Alberta).

Highlights: This tour provides a broad experience of Alberta landscapes including plains, foothills, and mountains. The tour route traverses farming, ranching, and forested areas of Western Alberta with Chernozemic and Luvisolic soils in the parkland and boreal forest sections of the plains. The forested foothills region, with Luvisolic and Brunisolic soils provides a transition to the Rocky Mountains. The tour concentrates on soils and land use in the mountainous Banff and Jasper National Parks. Spectacular mountain scenery, including Lake Louise and the Columbia Ice Fields, provide an interesting background.

Pre-Congress Tour No. 9 Cost \$140 (Canadian)
One day.
Assemble Edmonton (Alta.) 16 June; Tour 17 June.

Post-Congress Tour No. 17 Cost \$140 (Canadian)
One day. Tour 28 June.
Route: Edmonton to Fort McMurray (Alberta) and return, travel by air.

Highlights: The purpose of this tour is to show participants the Great Canadian Oil Sands (GCOS) and Syncrude Oil Sands mining operations, oil extraction plants, and land reclamation. A brunisolic soil will be observed. The bulk of the oil in the Athabasca Oil Sands occurs in the McMurray Formation, which averages about 61 m. (200 ft.) in thickness and is of early Cretaceous age. In some areas the oil sands outcrop at the surface, while in others the overburden may be up to 610 m. (2,000 ft.).

Pre-Congress Tour No. 18 Cost \$1,300 (Canadian)
Eight days—Eight nights.
Depart Edmonton (Alta.) 28 June;
Disperse Edmonton (Alta.) 6 July.
Route: Edmonton (Alberta); Dawson City (Yukon); Inuvik (Northwest Territories) with a side trip to Tuktoyaktuk (Northwest Territories).

Highlights: The theme of the tour will be permafrost in soils and cryogenic processes in pedogenesis. The route crosses the northern Boreal, Subarctic and Arctic regions where sites will include both mineral and organic soils. At Dawson City the history of the Gold Rush of 1898 and ensuing mining will be seen, as well as a trip to view landforms in an unglaciated Subalpine-Alpine zone. Inuvik is a modern town designed for permafrost conditions. There will be an opportunity for a boat excursion into the Mackenzie Delta and a look at Subarctic ecology. At Tuktoyaktuk on the Arctic coast the tour will include permafrost terrain in the low Arctic and a look at the famous "pingos".

Pre-Congress Local Tours V1 and V2 (Cost \$30 (Canadian))
Assemble Vancouver (B.C.) 8 June.
Tour V1: One day—9 June.
Tour V2: One day—9 June.

climate of southeast Vancouver Island. The tour traverses the island through Podzolic soils under highly productive coniferous timber stands to the rainforest on the shores of the Pacific Ocean. The maritime environment, recreational facilities, and the diverse scenery provide an impressive setting for the tour.

Pre-Congress Tour No. 5 Cost \$550 (Canadian)
Nine days—Nine nights.
Assemble Edmonton (Alta.) 8 June;
Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 13 Cost \$550 (Canadian)
Nine days—Eight nights.
Depart Edmonton (Alta.) 28 June; Disperse Edmonton (Alta.) 6 July.
Route: Edmonton, Drumheller, Brooks, Medicine Hat (Alberta); Swift Current (Saskatchewan); Cypress Hills, Lethbridge, Claresholm, Calgary, Lacombe, Edmonton (Alberta).

Highlights: The tour will be going through the mixed farming areas of the parkland region of Central Alberta to the wheat growing areas (prairies) of southern Alberta and southwestern Saskatchewan. It will be passing through cattle ranching areas in the short grass prairie as well as the long grass prairie in the foothills of Alberta. Irrigation will be observed at Brooks, Medicine Hat and Lethbridge. Dryland salinity studies will be visited at Gull Lake, Saskatchewan. The Badlands (Geologic Erosion) along the Red Deer River will be visited as well as a buffalo jump in the Porcupine Hills. Agricultural Research Stations will be visited at Brooks, Swift Current, Lethbridge and Lacombe.

Black, Dark Brown and Brown Chernozemic soils will be examined as well as Black and Brown Solonchets soils.

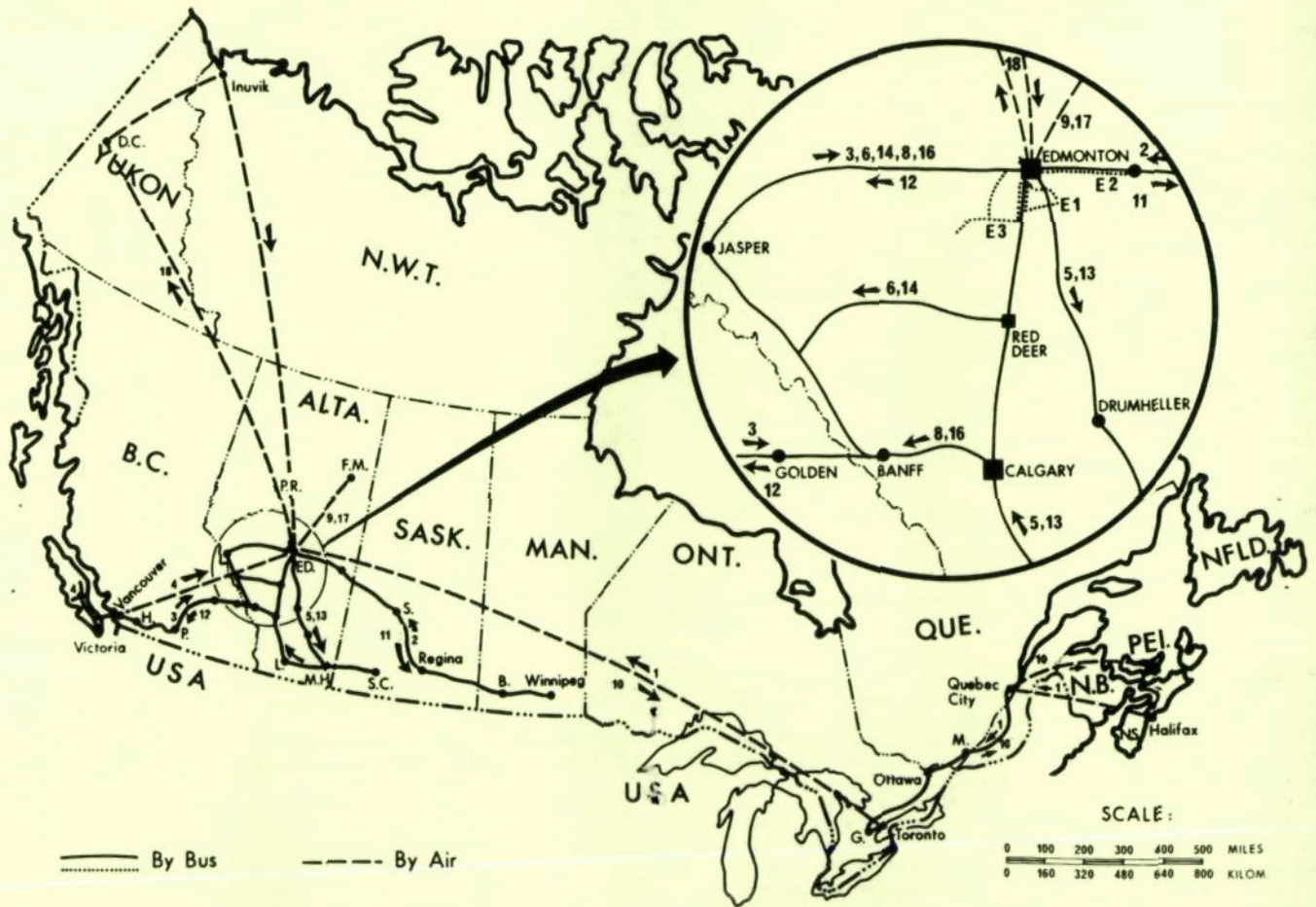
Pre-Congress Tour No. 6 Cost \$370 (Canadian)
Six days—Six nights.
Assemble Edmonton (Alta.) 11 June;
Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 4 Cost \$370 (Canadian)
Six days—Six nights.
Depart Edmonton (Alta.) 28 June;
Disperse Edmonton (Alta.) 3 July.
Route: Edmonton, Red Deer, Rocky Mountain House, Jasper, Hinton, Edmonton (Alberta).

Highlights: This tour traverses three distinctly different physiographic and land use regions in Alberta. Starting near the western fringe of the Great Plains region, where Black Chernozemic soils provide some of Alberta's better agricultural land, the tour moves westward toward the Rocky Mountains into an area of Luvisolic soils and decreased farming activity. In the foothills region, where some forest and mining industries are based, a mixed coniferous and deciduous forest cover prevails on Brunisolic and Luvisolic soils. The Western portion of the tour provides some magnificent views of Rocky Mountain scenery within Banff and Jasper National Parks.

Pre-Congress Tour No. 7 CANCELLED
Tour to Peace River District.

I.S.S.S. PROPOSED TOUR ROUTES XI CONGRESS, 1978



11th ISSS Congress, 1978

Summary of Tours

Tour No.	Route	Dates		Cost per Person
		Assembly	End	
<u>Pre-Congress Tours</u>				
1	Charlottetown-Halifax-Toronto	8 June	17 June	\$680*
2	Winnipeg-Edmonton	12 June	17 June	375
V1	Vancouver local, forest soils	8 June	9 June	30
V2	Vancouver local, delta soils	8 June	9 June	30
3	Vancouver-Hope-Edmonton	9 June	17 June	500
4	Vancouver-Victoria-Vancouver	11 June	17 June	440**
5	Edmonton-Regina-Edmonton	8 June	17 June	550
6	Edmonton-Jasper-Edmonton	11 June	17 June	370
7	Edmonton-Peace River-Edmonton	C a n c e l l e d		
8	Edmonton-Banff-Edmonton	12 June	17 June	315
9	Edmonton-Ft. McMurray-Edmonton	16 June	17 June	140***
<u>During Congress Tours</u>				
E1	Edmonton local, Chernozemics	D u r i n g	C o n g r e s s	
E2	Edmonton local, Solonetzics	D u r i n g	C o n g r e s s	
E3	Edmonton local, Luvisolics	D u r i n g	C o n g r e s s	
<u>Post-Congress Tours</u>				
10	Toronto-Charlottetown-Halifax	28 June	7 July	680*
11	Edmonton-Winnipeg	28 June	2 July	375
12	Edmonton-Hope-Vancouver	28 June	5 July	500
13	Edmonton-Regina-Edmonton	28 June	6 July	550
14	Edmonton-Jasper-Edmonton	28 June	3 July	370
15	Edmonton-Peace River-Edmonton	C a n c e l l e d		
16	Edmonton-Banff-Edmonton	28 June	2 July	315
17	Edmonton-Ft. McMurray-Edmonton	28 June	28 June	140***
18	Edmonton-Far North-Edmonton	28 June	6 July	1,300***
V3	Vancouver local, forest soils	6 July	6 July	30
V4	Vancouver local, delta soils	6 July	6 July	30

* Includes mid-tour airfare (Quebec City-Charlottetown) but not Toronto-Edmonton leg.

** Airfare Vancouver-Edmonton not included.

*** Airfare for mid-tour air portions included.

NOTE: Pre-Congress Tours always begin day following assembly date.

REGISTRATION FORM

Eleventh Congress of the International Society for Soil Science
19-27 June, 1978. Edmonton, Canada

(Consult ISSS Bulletin 51 or the Second and Final Announcement brochure for details needed to complete this form.)
Please type or print clearly and keep a copy.

Personal Data

Name Initials Title

Complete Postal Address

Postal Code

Telephone Cable Address

If available:

Telex

Information to be shown on Congress Identification Badge:

Name

Institution or occupation

City and country

Field of specialization or interest

Language capabilities (check them please):

Read: English ; French ; German ; Other

Speak: English ; French ; German ; Other

Age Group: 20 to 45 ; 45 to 60 ; over 60 . Sex: Male ; Female

Member of ISSS: 1976 Yes No 1977 Yes No 1978 Yes No

Member of Soil Science Society of

(enter country if a member)

Accompanying persons:

Name	Relation	Age of Children	Languages spoken
.....
.....
.....

Congress Data

I shall submit before 1 Oct. a paper to be considered for presentation to Commission....., have submitted

entitled:

If my paper is accepted, I prefer to:

- Make a 15-20 minute oral presentation.
- Make a 2-3 hour poster presentation.
- Either of the above would be acceptable.

After receiving notification of the acceptance of papers, send in registration fees promptly, if not already sent. No papers will be included in the program or abstracted in the Transactions without payment of registration fees.

Commissions of greatest interest to me are: I ; II ; III ; IV ; V ; VI ; VII

Travel Data

I will arrive in Edmonton June by air ; train ; bus ; by car

If by air, give carrier and flight no., if possible.

If participating in Pre-Congress tour, give preferred Tour No.

I will depart from Edmonton June on Tour No. (or by air ; car ; train ; bus

ACCOMMODATION DATA (No accommodation will be reserved without a deposit.)

Preferred accommodation: University residence ; moderate-rate hotel ; superior hotel ; motorhome park ; trailer park ; campsite ; will make my own arrangements

List of campsites requested so that I can make my own reservations: Yes ; No

Space requested (if in residence or hotel): single ; double ; twin beds ; other (specify)

I shall be alone and I am willing to share a room that has two beds: in a university residence ;

or, in a hotel ; with ; or with a stranger

TOUR DATA

- *Tour priorities will be in sequence of receipt of registrations and deposits.*
- *Enrol early. Keen competition is expected for the limited number of spaces on all tours.*

Pre-Congress Tours (No. 1, 2, 3, 4, 5, 6, 8 and 9 — see attached list.)

- Yes I wish to participate in one of these tours.
 My preference(s): 1st choice; 2nd choice; 3rd choice
- I also wish to take local tour V1 ; V2 ; coupled with Tour No. 3 or 4.

Mid-Congress Tours (Local tours during Congress: E1, E2 and E3 only — see attached list.)

- Yes I wish to participate in: one ; two ; or three of these tours.
 1st choice; 2nd choice; 3rd choice

Post-Congress Tours (No. 10, 11, 12, 13, 14, 16, 17 and 18 — see attached list.)

- Yes I wish to participate in one of these tours.
 My preference(s): 1st choice; 2nd choice; 3rd choice
- I also wish to take local tour V3 ; V4 after Tour No. 12.

Cost Data (in Canadian dollars)

Registration Fee, per person:

ISSS Member, if received before 30 April 1978.....	\$100.00
Non-Member, if received before 30 April 1978.....	120.00
University Student (actually enrolled June 1978).....	50.00
Accompanying person (excluding children).....	25.00
Extra charge for registration received after 30 April 1978.....	25.00
Accommodation deposit, per person (for University residence, hotel or motel).....	100.00
Tour deposit, per person: For each Tour 1 to 18.....	100.00
For Vancouver Tours V1, V2, V3, V4.....	30.00
(No deposit necessary for Tours E1, E2, E3)	

Amount submitted herewith:

Registration fees:	Self	\$	\$
accompanying person(s).....	x	\$ 25.00
Extra charge for late registration		\$ 25.00
Accommodation deposit(s).....	x	\$ 100.00	\$
Tour deposits: Tour No.	Persons	Per Person	
.....	x
.....	x
.....	x
Total			\$

Transmit funds in CANADIAN DOLLARS, by international money order or bank draft made out to: Eleventh ISSS Congress (Edmonton, Canada)

I understand that I must still pay the following:

Balance of tour costs:	persons	tour no.	cost/person	total
Balance of accommodation charge:	persons	rate	days	total
Most meals each day of the Congress.				
Local tours (E1, E2, E3) during the Congress <input type="checkbox"/>				

..... date

..... signature

Refund Policy for Registration Fees, Tour Deposits and Accommodation Deposits:

- If cancellation notice is received in Edmonton by 1 April 1978, 90% of money submitted will be returned.
- If cancellation notice is received in Edmonton by 15 May 1978, 80% of money submitted will be returned.

Cable Address: CRISAT, Edmonton, Canada **Telex Address:** 037-2979: Attention ISSS Congress (Answer back: U. of A., EDM)

* * * * *

Airmail the funds and this registration form to: Eleventh ISSS Congress
 Box 78, Sub. 11
 University of Alberta
 Edmonton, Canada T6G 2E0

PROPOSED CHANGES IN THE RULES OF THE ISSS (May 1977)
CHANGEMENTS PROPOSES AU REGLEMENT DE L'AISS (Mai 1977)
VORGESCHLAGENE ÄNDERUNGEN DER SATZUNG DER IBG (Mai 1977)

VOTING SHEET

The symbols shown overleaf refer to the "Proposed Changes in the Rules of the ISSS" reproduced in English in the present ISSS Bulletin and in the French and German versions which have been distributed separately.

Where a choice needs to be made between the existing rule (marked . . . E) and one or more possible alternatives (marked . . . A, . . . B, or . . . C), please indicate your preference by checking with an "X" one box only in each section overleaf (separated by a line).

For the newly proposed rules (marked . . . P) the box should be checked only if the proposal is adopted. If the proposal is rejected, the box should be left blank.

The symbols marked with an asterisk (*) refer to the changes which do not involve issues of principle and which the Committee recommends for adoption. Sections in which no symbol is marked with an asterisk involve matters of principle on which a decision of the membership is particularly called for.

BULLETIN DE VOTE

Les symboles indiqués au verso se réfèrent aux "Changements proposés au Règlement de l'AISS" reproduits en anglais dans le présent bulletin AISS et aux versions française et allemande qui ont été distribuées séparément.

En ce qui concerne les articles pour lesquels un choix doit être fait entre le règlement en vigueur (marqué . . . E) et une ou plusieurs alternatives possibles (marquées . . . A, . . . B, . . . C), les membres sont priés d'indiquer leur préférence en marquant d'un "X" une case seulement par section (au verso les sections sont séparées par une ligne).

Pour les nouvelles règles proposées (marquées . . . P), la case doit être cochée seulement si la proposition est adoptée. Si la proposition est rejetée, la case ne doit pas être remplie.

Les symboles marqués d'un astérisque (*) se réfèrent aux changements qui n'impliquent pas de décisions de principe et que le Comité recommande d'adopter. Les sections dans lesquelles aucun symbole n'est marqué d'un astérisque impliquent des décisions de principe sur lesquelles les membres sont priés tout particulièrement d'exprimer leur avis.

STIMMZETTEL

Die umseitigen Symbole beziehen sich auf die Änderungsvorschläge für die Satzung der IBG, die auf Englisch in diesen IBG-Mitteilungen erschienen sind und in der französischen und deutschen Fassung gesondert verteilt wurden.

Bitte kreuzen Sie umseitig je ein Kästchen eines jeden Abschnittes (zwischen den Trennungslinien) an, wo die Wahl zu treffen ist zwischen der bestehenden Regel (durch . . . E bezeichnet) und einer oder mehreren Alternativen (durch . . . A, . . . B oder . . . C bezeichnet).

Neu vorgeschlagene Regeln (durch . . . P bezeichnet) sollten nur dann angekreuzt werden, wenn für sie gestimmt wird; abgelehnte Neuvorschläge werden nicht angekreuzt.

Die mit einem Sternchen (*) versehenen Symbole beziehen sich auf Änderungen, die keine Grundsatzregel betreffen und deren Annahme das Komitee empfiehlt. In Abschnitten, in denen kein Symbol mit einem Sternchen versehen ist, handelt es sich um Grundsatzregeln, für deren Abstimmung die Entscheidung der Mitglieder besonders wichtig ist.

VOTING SHEET

BULLETIN DE VOTE

STIMMZETTEL

A.2E <input type="checkbox"/>	D.4E <input type="checkbox"/>	F.3E <input type="checkbox"/>	H.2fE <input type="checkbox"/>
* A.2A <input type="checkbox"/>	* D.4A <input type="checkbox"/>	F.3A <input type="checkbox"/>	* H.2fA <input type="checkbox"/>
	D.4B <input type="checkbox"/>	F.3B <input type="checkbox"/>	
A.3aE <input type="checkbox"/>		F.4aP <input type="checkbox"/>	H.2gE <input type="checkbox"/>
* A.3aA <input type="checkbox"/>	D.5A <input type="checkbox"/>		* H.2gA <input type="checkbox"/>
	D.5B <input type="checkbox"/>	F.8P <input type="checkbox"/>	
A.3bE <input type="checkbox"/>		F.9P <input type="checkbox"/>	* H.2iP <input type="checkbox"/>
* A.3bA <input type="checkbox"/>	* E.P <input type="checkbox"/>		* H.2jP <input type="checkbox"/>
		* G.5P <input type="checkbox"/>	
A.3cE <input type="checkbox"/>	F.1E <input type="checkbox"/>	* G.6P <input type="checkbox"/>	I.10E <input type="checkbox"/>
* A.3cA <input type="checkbox"/>	F.1A (1) <input type="checkbox"/>		I.10A <input type="checkbox"/>
	F.1A (2) <input type="checkbox"/>	H.1bE <input type="checkbox"/>	
* A.3dP <input type="checkbox"/>	F.1B (1) <input type="checkbox"/>	* H.1bA <input type="checkbox"/>	I.11E <input type="checkbox"/>
	F.1B (2) <input type="checkbox"/>		* I.11A <input type="checkbox"/>
B.1E <input type="checkbox"/>	F.1B (3) <input type="checkbox"/>	H.1cE <input type="checkbox"/>	
* B.1A <input type="checkbox"/>	F.1C (1) <input type="checkbox"/>	* H.1cA <input type="checkbox"/>	K.1E <input type="checkbox"/>
	F.1C (2) <input type="checkbox"/>		* K.1A <input type="checkbox"/>
D.1E <input type="checkbox"/>	F.1C (3) <input type="checkbox"/>	H.2bE <input type="checkbox"/>	
* D.1A <input type="checkbox"/>	F.1C (4) <input type="checkbox"/>	H.2bA <input type="checkbox"/>	M.3E <input type="checkbox"/>
	F.1C (5) <input type="checkbox"/>	H.2bB <input type="checkbox"/>	* M.3A <input type="checkbox"/>
D.3E <input type="checkbox"/>	F.1C (6) <input type="checkbox"/>		
* D.3A <input type="checkbox"/>		H.2cE <input type="checkbox"/>	N.E <input type="checkbox"/>
D.3B <input type="checkbox"/>		H.2cA <input type="checkbox"/>	* N.A <input type="checkbox"/>

Return to:
A renvoyer à:
Rücksendung an:

Dr. E.G. Hallsworth
CSIRO – Land Resources Laboratories
Private Bag 2
Glen Osmond, S.A. 5064, Australia

by: 31 Dec. 1977
avant: 31 Déc. 1977
vor: 31 Dez. 1977

Please indicate name and address on the back of the envelope

Prière d'indiquer votre nom et adresse au dos de l'enveloppe

Würden Sie Bitte Ihren Namen und Anschrift auf Rückseite des Briefumschlages angeben

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Applications are invited for the position of **Director, International Soils Museum**, Wageningen, The Netherlands.

Suitably qualified candidates, interested in this position, may obtain further details from:

Prof. Ir. A.J. Van der Weele
Acting Director
International Soils Museum
P.O. Box 6
Enschede, The Netherlands
(Tel. 053/320330)

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SOIL INFORMATION SYSTEMS

Proceedings of the meeting of the ISSS Working Group on Soil Information Systems held at Wageningen, The Netherlands, 1-4 September, 1975, 93 pages.

Edited by: Stein W. Bie
Published by: Centre for Agricultural Publishing and Documentation
Wageningen, The Netherlands

Under the auspices of the International Society of Soil Science and the Food and Agriculture Organization of the United Nations, designers of soil information systems, and their geological, geographical and cartographic colleagues reviewed current methods of data capture and input, management systems for advanced data bases and automated cartography, and discussed user needs in developed and developing countries.

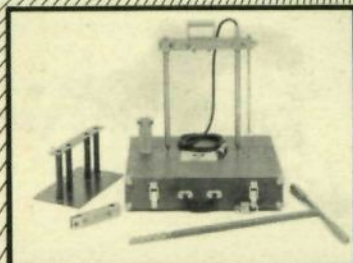
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Payable in advance by cheque, money order or as Unesco coupons, to the order of R. Dudal
International Society of Soil Science.

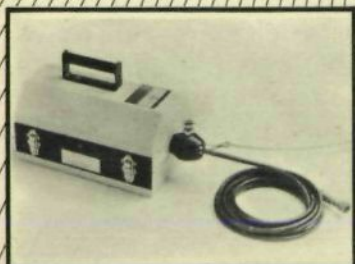
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*Late Dr. C.F. Marbut,
Leader of the Transconti-
nental Excursion, 22 June
23 July 1927.*



*Dr. K.D. Glinka, Late Pre-
sident-elect of the ISSS,
Missouri, 27 June 1927.*

**50 YEARS AGO: THE 1st CONGRESS OF THE ISSS
IL Y A 50 ANS: LE 1er CONGRES DE L'AISS
VOR 50 JAHREN: 1. KONGRESS DER IBG**

Three years after its foundation in Rome, in 1924, the International Society of Soil Science held its first world-wide Congress in the United States of America in 1927. The Congress took place in Washington D.C. from 13-22 June 1927 with 300 members present out of the 934 which the ISSS then counted. The Congress was followed by a transcontinental excursion. A special train carried 206 participants of thirty-four different countries during a period of thirty days through 23 states of the United States and four Canadian provinces (among which Edmonton, Alberta) totalling a distance of 12,000 miles.

The Congress was chaired by Dr. J.G. Lipman, Director of the New Jersey Agricultural Experiment Station and first President of the International Society of Soil Science. The transcontinental tour was organized by Dr. C.F. Marbut, Chief of the USDA Soil Survey Division and first Chairman of Commission V of the ISSS. Dr. D.J. Hissink was then the Secretary General.

The Congress was opened at Washington's Chamber of Commerce by the Honorable Calvin Coolidge, President of the United States, who underlined the relationship between soil science and agricultural development. Dr. Lipman's opening address dealt with "Soils and Men", stressing the importance of soil knowledge for its effective utilization and conservation.

The Congress opening shared public attention with Charles Lindbergh who had been festively received on 11 June on his return from Europe after his transatlantic exploit.

The Congress elected Dr. K.D. Glinka as President of the ISSS for the period 1927-1930. However, Dr. Glinka passed away that same year, on 2 November 1927, and the presidency was entrusted to Dr. K.K. Gedroiz.

The spirit of hospitality and international cooperation which prevailed during this first ISSS Congress set the trend for the future activities of the Society.



Transcontinental Excursion, Profile No. 1 Greensboro, North Carolina, 23 June 1927.

EDMONTON 1978



Looking north-eastward over the University of Alberta campus, across the North Saskatchewan River, to the centre of the city of Edmonton. Student residences and Provincial Auditorium in centre foreground will be headquarters for the 1978 Congress of the ISSS.

Le campus de l'Université d'Alberta. Les résidences d'étudiants et l'Auditoire Provincial, au centre de l'avant plan, sera le siège du Congrès AISS de 1978. En regardant vers le nord-est, au delà du North Saskatchewan River l'on distingue le centre de la ville d'Edmonton.

Blick in nordöstlicher Richtung über den Campus der Universität von Alberta; jenseits des North Saskatchewan River liegt das Zentrum der Stadt Edmonton. Die Studentenunterkünfte und das Provinzauditorium (vorn Mitte) werden das Zentrum des 1978 IBG-Kongresses sein.



THE 11th CONGRESS OF THE ISSS
Edmonton, Canada, 19-27 June 1978

FINAL REGISTRATION

The last announcement for the 11th Congress of the ISSS has been sent to all members of the Society by the Organizing Committee of the Congress. This announcement included the formal registration form with indications of deadlines for registration, presentation of papers, instalments for tours and reservations for accommodation. Since all information on the Congress is given in detail in the announcement circulated separately, the present Bulletin only contains a summary. Those who did not receive the detailed announcement should request it from:

11th ISSS Congress
Box 78, Sub 11
University of Alberta
Edmonton, Canada T6G 2EO

PROGRAM INFORMATION

(Summary of detailed information given in final announcement circulated by the Organizing Committee of the Congress)

Theme: Optimum soil utilization systems under differing climatic restraints.

Plenary Sessions: Five plenary sessions of the Congress will be devoted to the major climatic regions of the world and speakers will document for each:

1. The soils, their significant limitations for food production, and the overriding climatic restraints; and
2. Present dominant farming systems in comparison to optimum utilization of the soils concerned.

These topics will be discussed for each of the five major climatic regions as follows: i) Polar; ii) Humid Microthermal; iii) Humid Mesothermal; iv) Dry Desert and Steppe; v) Rainy Tropical.

Symposia: Six symposia are planned on the following themes:

- 1) Isotopes in action; 2) Resource information systems; 3) Soil deterioration and reclamation; 4) Utilization of northern Canadian soils; 5) Soil structure; 6) Long term outlook regarding soil-climate interrelationships.

Commissions: Topics to which Commissions will give preference for the submission of papers are listed in Bulletin No. 49 and in the announcement circulated by the Organizing Committee of the Congress.

Special interest and working groups: The Organizing Committee for the 11th ISSS Congress is anxious to accommodate special interest and working groups that may wish to have meetings during the Congress. There is a Sub-Commission on Salt Affected Soils and seven Working Groups of the Society. Because of great interest in forestry and soils, a special meeting is being arranged for that topic. In addition, some of the Commissions may wish to have business or other special meetings at times other than those in the program for presentation of papers. All groups wishing to have a time and accommodation reserved for such purposes are requested to write to the Organizing

Committee and request such arrangements, indicating approximate number of individuals likely to be involved. It will be the responsibility of each such group to arrange its own agenda.

CONGRESS TOURS

The following important points apply to all tours:

- All tours have a limited number of spaces. Priorities will be assigned as deposits are received until the available spaces are taken.
- It is advisable to list second and third choices for tours as the first choice may be filled or cancelled.
- Deposits will be returned if a tour is filled or cancelled and no second or third choice has been listed.
- The Organizing Committee must post large deposits for accommodation on all tours by November 1977.

Tours cancelled at that time because of low registration for them cannot be restored later even if there is high interest.

- Notes: 1. A sheet summarizing tour details accompanies the registration form.
2. Each tour participant will be sent details regarding time and place for commencement and termination of his tour, including specification of meal and accommodation provision, as soon as the tour deposit is received.

Pre-Congress Tour No. 1 Cost \$ 680 (Canadian)

Nine days - Nine nights.

Assemble Charlottetown (P.E.I.) 8 June; Disperse Toronto (Ont.) 17 June.

Post-Congress Tour No. 10 Cost \$ 680 (Canadian)

Nine days - Nine nights.

Assemble Toronto (Ont.) 28 June; Disperse Halifax (N.S.) 7 July.

Route: Charlottetown (Prince Edward Island); Amherst, Kentville, Halifax (Nova Scotia); by air to Quebec City; Drummondville, Montreal (Quebec); Ottawa, Guelph (Ontario); Disperse Toronto (Ontario).

Note 1: Tour 10 travels in reverse direction to Tour 1.

Note 2: Interconnecting airlinks, Quebec City to Charlottetown included in cost, but Toronto-Edmonton airfare must be arranged or purchased by participant.

Pre-Congress Tour No. 2 Cost \$ 375 (Canadian)

Five days - Five nights.

Assemble Winnipeg (Man.) 12 June; Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 11 Cost \$ 375 (Canadian)

Five days - Five nights.

Depart Edmonton (Alta.) 28 June; Disperse Winnipeg (Man.) 2 July.

Route: Winnipeg, Brandon (Manitoba); Regina, Saskatoon, Lloydminster (Saskatchewan); Edmonton (Alberta).

Note: Tour 11 travels in reverse direction to Tour 2.

Pre-Congress Tour No. 3

Cost \$ 500 (Canadian)

Eight days - Eight nights.

Assemble Vancouver (B.C.) 9 June; Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 12

Cost \$ 500 (Canadian)

Eight days - Eight nights.

Depart Edmonton (Alta.) 28 June; Disperse Vancouver (B.C.) 5 July.

Route: Vancouver, Hope, Penticton, Vernon, Revelstoke, Golden (British Columbia); Banff, Jasper, Edmonton (Alberta).

Note: Tour 12 travels in reverse direction to Tour 3.

Pre-Congress Tour No. 4

Cost \$ 440 (Canadian)

Five days - Six nights.

Assemble Vancouver (B.C.) 11 June; Disperse Vancouver (B.C.) 17 June.

Route: Vancouver, Victoria, Parksville, Tofino, Nanaimo, Vancouver (Br. Col.).

Note: Interconnecting airlink fare Vancouver-Edmonton not included but must be arranged or purchased by participant.

Pre-Congress Tour No. 5

Cost \$ 550 (Canadian)

Nine days - Nine nights.

Assemble Edmonton (Alta.) 8 June; Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 13

Cost \$ 550 (Canadian)

Nine days - Nine nights.

Depart Edmonton (Alta.) 28 June; Disperse Edmonton (Alta.) 6 July.

Route: Edmonton, Drumheller, Brooks, Medicine Hat (Alberta); Swift Current (Saskatchewan); Cypress Hills, Lethbridge, Claresholm, Calgary, Lacombe, Edmonton.

Pre-Congress Tour No. 6

Cost \$ 370 (Canadian)

Six days - Six nights.

Assemble Edmonton (Alberta) 11 June; Disperse Edmonton (Alberta) 17 June.

Post-Congress Tour No. 14

Cost \$ 370 (Canadian)

Six days - Six nights.

Depart Edmonton (Alta.) 28 June; Disperse Edmonton (Alta.) 3 July.

Route: Edmonton, Red Deer, Rocky Mountain House, Jasper, Hinton, Edmonton.

Pre-Congress Tour No. 7

Tour to Peace River District: Cancelled

Post-Congress Tour No. 15

Tour to Peace River District: Cancelled

Pre-Congress Tour No. 8

Cost \$ 315 (Canadian)

Five days - Five nights.

Assemble Edmonton (Alta.) 12 June; Disperse Edmonton (Alta.) 17 June.

Post-Congress Tour No. 16

Cost \$ 315 (Canadian)

Five days - Five nights.

Depart Edmonton (Alta.) 28 June; Disperse Edmonton (Alta.) 2 July.

Route: Edmonton, Calgary, Banff, Lake Louise, Jasper, Edmonton (Alberta).

Pre-Congress Tour No. 9

Cost \$ 140 (Canadian)

One day. Assemble Edmonton (Alta.) 16 June; Tour 17 June.

Post-Congress Tour No. 17

Cost \$ 140 (Canadian)

One day. Tour 28 June.

Route: Edmonton to Fort McMurray (Alta.) and return.

Post-Congress Tour No. 18

Cost \$ 1,300 (Canadian)

Eight days - Eight nights.

Depart Edmonton (Alta.) 28 June; Disperse Edmonton (Alta.) 6 July.

Route: Edmonton (Alta.); Dawson City (Yukon); Inuvik (Northwest Territories) with a side trip to Tuktoyaktuk (Northwest Territories).

Pre-Congress Local Tours V1 and V2

Cost \$ 30 (Canadian)

Assemble Vancouver (Brit. Col.) 8 June.

Tour V1: One day - 9 June.

Tour V2: One day - 9 June.

Post-Congress Local Tours V3 and V4

Cost \$ 30 (Canadian)

Tour V3: One day - 6 July.

Tour V4: One day - 6 July.

Route: Tours V1 and V3 - Vancouver, Haney, Vancouver (Brit. Col.) - Tours V2 and V4 - Vancouver, Westham Island, Delta, Abbotsford, Vancouver (Brit. Col.).

Mid-Congress Local Tours

Cost \$ 25 (Canadian)

One day.

Tours will be scheduled to accommodate as many participants as possible.

Route: E1 - Edmonton, Ellerslie, Cooking Lake Moraine, Edmonton - E2 - Edmonton, Elk Island Park, Vegreville, Edmonton - E3 - Edmonton, Calmar, Breton, Edmonton.

GUIDEBOOKS

A guidebook has been prepared for each of the tours and will be provided to each of the tour participants. Registrants not participating on a particular tour will have the opportunity to purchase a guidebook for any of the tours. The guidebooks will include both a general and daily itinerary of the tour route, an overview of the entire route with discussion related to soils, climate, vegetation, geology, agronomic data, and land use. Detailed soil profile descriptions together with physical, chemical, mineralogical and micro-morphological analyses will be presented.

The guidebooks will be of enduring use and interest, especially for those engaged in teaching and/or research in Soil Science.

DISPLAYS

The Organizing Committee is planning for extensive displays at the Congress. In addition to commercial displays of equipment and services, these will include:

- Soil monoliths, accompanied by extensive data and descriptions, illustrating the Canadian System of Soil Classification. Most of these monoliths will be from the soil pits visited by the Congress field tours.
- Extensive displays illustrating land use in Canada.
- The premier of a film "The Soils of Canada".
- A wide array of other Canadian and non-Canadian films.
- Soil Science and land use publications from across Canada.
- Soil testing in the Prairie Provinces.
- Color transparency slides showing Canadian soils (including field tour pit stops) and soil management practices in Canada. (Duplicates of these slides may be purchased by Congress participants at cost during the Congress).
- Some large trailer-truck transported, permanent displays, of the National Museums of Canada. Rather similar displays will also be on loan from a Canadian philanthropic foundation.

It is planned that the general public in Edmonton and vicinity will be invited to visit the Congress displays for limited periods during the Congress.

SOILS OF CANADA

Agriculture Canada has just published two volumes entitled "The Soils of Canada". The first deals with the soil resource in technical and analytical terms. The second volume provides environmental and soil map information.

"The Soils of Canada" will be on sale at the Congress for \$ 25.00. (Charge for sales outside of Canada is \$ 30.00.)

SUBMISSION AND PRESENTATION OF PAPERS

Members wishing to present a paper should submit a written copy of their proposed oral presentation (including tables and figures) but not exceeding 1800 words. These statements should reach the Organizing Committee of the Congress not later than 1 October 1977. Authors will be advised of the decision regarding acceptance prior to 31 December 1977. The statements should be typewritten, double spaced on one side of the paper (21 x 28 cm.), in one of the three official languages - English, French or German. It would be greatly appreciated if an English translation could be provided for statements submitted in either French or German.

Papers may be presented at the Congress in the traditional manner or at a poster session. An abstract of 100 to 150 words must accompany the presentation statement. Only abstracts of papers presented in Commission sessions will be published by the Congress, therefore authors may offer their full papers for publication elsewhere, such as in national journals, if they so wish. General procedures, guidelines and conditions for the presentation of papers have been published in Bulletins Nos. 49 and 50 will be mailed to the authors at the time when they are informed that their papers have been accepted for presentation.

IMPORTANT DEADLINES

- **1 October 1977.** Receipt of Presentation Statements and Abstracts from those offering papers for presentation at the Congress.
- **1 November 1977.** Tour deposits should be in by this date to avoid disappointment.
- **30 April 1978.** Receipt of registration form and deposit so as to avoid \$ 25 late registration charge.

PROGRAM FOR ACCOMPANYING PERSONS

Registration of spouses and other accompanying adults will include their participation in Congress ceremonies, admission to technical sessions and displays, as well as attendance at many entertainment and social activities. There will also be an extensive program of daytime excursions, visits and sightseeing for all interested accompanying persons, including children. Tickets will be sold for some of these activities, while others will be free.

There will be no specific program for children but they will be welcome at any of the above activities when accompanied by an adult.

Edmonton is a young modern city of 500,000. The weather in June is normally very pleasant with daytime maxima usually ranging from 15 to 25 degrees Celsius. Upon receipt of registrations, participants will be sent further information concerning weather and clothing for the season.

The City of Edmonton will host the Commonwealth Games in August 1978. By the time of the Congress new athletic facilities and a new subway (metro) will be in service. Other city attractions include a provincial museum, a planetarium, a children's zoo, several modern shopping centres, horse racing, a restoration of Old Fort Edmonton, a variety of modern factories and processing plants, and a large petro-chemical complex.

Short rural excursions enable visits to Elk Island National Park (buffalo and other native animals), to oil fields, the Alberta Game Farm (a widely known outdoor zoo) and to attractive farming areas.

Congress participants will be able to select activities to meet their individual interests.

SCHEDULE OF COSTS (in Canadian dollars)

Registration Fees:

For ISSS member, if received before 30 April 1978	\$ 100
For non-member, if received before 30 April 1978	\$ 120
For student (actually enrolled, June 1978)	\$ 50
Accompanying person (excluding children)	\$ 25
Extra charge for participant registering after 30 April	\$ 25

Accommodation:

In University Residence, excluding meals	
Per person, single occupancy	\$ 13/day
Per person, double occupancy	\$ 11/day
Meals: option of cash basis or meal ticket	\$ 9/day

In Hotels and Motels, excluding meals	
Class 1. Per person, single	\$ 25-30/day
Per person, double	\$ 17-20/day
Class 2. Per person, single	\$ 18-25/day
Per person, double	\$ 12-15/day
Meals at restaurants - total	\$ 10-18/day

Deposit required for accommodation reservation at
University Residence, Hotel or Motel \$ 100

Note: There will be no accommodation reservation without \$ 100 deposit.
University Residence will be limited to first 1,800 applicants.
There is no guarantee of any accommodation if registration is received
after 30 April 1978.

TOURS IN THE U.S.A.

In connection with the 11th Congress there will be an opportunity to take a tour in the USA, organized by the Soil Science Society of America.

These tours will take place either before the pre-Congress tours in Canada or after the post-Congress tours.

The following is a tentative itinerary and approximate motel and transportation costs (in US \$) for these Mobile Workshops.

Southeast U. S. - May 31-June 3, 1978

Motels - \$ 17 single to \$ 25 double; Tour transportation - \$ 30-\$ 40 per person

Itinerary:

May 31 - Assemble at Columbus, Georgia.

June 1 - Southern Coastal Plain soils and agriculture including home of President Carter.

2 - Auburn University research and rhizotron, Auburn, Alabama.

3 - Soils and agriculture of the Black Belt (Vertic Hapludalfs).

Midwest U. S. - July 9-13, 1978

Motels - \$ 20 single to \$ 25 double; Tour transportation - \$ 20 per person

Itinerary:

July 9 - Assemble at Kankakee, Illinois.

10 - Elwood research center, University of Illinois. Sludge application, weather research, soil management and crop response plots.

11 - Southeastern Wisconsin Regional Planning Commission, Waukesha, Wisconsin. Soils information used in regional planning.

12 - Agricultural-urban complex in Northwestern Indiana. Soils and urban sprawl.

13 - Large grain farm in Indiana-crops, equipment, management and soils.

National Soil Survey Laboratory - July 6-7, 1978

Motels - \$ 13 single to \$ 18.50 double; Tour transportation - None

Itinerary:

July 6 - A.M. - Arrive Lincoln, Nebraska

P.M. - Tour of laboratory-procedures, equipment, automation.

7 - A.M. - Tour of laboratory-procedures, equipment, automation.

P.M. - Consultation with laboratory personnel as requested.

Southwest U. S. - May 29-June 2, 1978

Motels - \$ 20 single to \$ 26 double; Tour transportation - \$ 20-\$ 40

Itinerary:

- May 29 - Assemble at Phoenix, Arizona
30 - Tour Water Conservation Laboratory plus field trip on land application of waste water.
31 - A.M. - Field trip
P.M. - Fly to Salt Lake City, Utah
June 1 - Soils, agriculture and pit mining near Great Salt Lake.
2 - Soils, agriculture and geomorphology of the ancient Lake Bonneville Area.

Northwest U. S. - July 9-14, 1978

Motels - \$ 20 single to \$ 28 double; Tour transportation - \$ 40-\$ 50

Itinerary:

- July 9 - Assemble at Spokane, Washington
10 - Soils, agriculture, and geomorphology of the Palouse region (overnight).
11 - Soils and irrigation agriculture in the Columbia Basin (overnight).
12 - Soils, vegetation, geomorphology, and agriculture of Columbia Plateau, Oregon (overnight).
13 - Cascade Mts. - Soils, vegetation, geomorphology of ponderosa pine - Douglas fir forestry (overnight, Corvallis, Oregon).
14 - Soils, intensive agriculture, urban encroachment and geomorphology of Willomette Valley, Oregon. End tour in Portland, Oregon.

Information and registration:

R.B. Daniels
Co-Chairman, ISSS Tour Committee,
SCS - USDA
P.O. Box 2890
Washington D.C. 20013, U.S.A.



11ème CONGRES DE L'AISS
Edmonton, Canada, 19-27 Juin 1978

INSCRIPTION DEFINITIVE

La dernière annonce pour le 11ème Congrès de l'AISS a été envoyée à tous les membres de l'Association par le Comité d'organisation du Congrès. Cet envoi comprenait le bulletin d'inscription définitive ainsi que tous les renseignements sur la date limite d'inscription, la présentation des communications, les versements d'acomptes pour les excursions et les réservations d'hôtels. Un résumé de ces informations est donné dans le présent bulletin. Les membres qui n'auraient pas reçu les renseignements complets et le bulletin d'inscription sont priés d'en faire la demande à:

11th ISSS Congress
Box 78, Sub 11
University of Alberta
Edmonton, Canada T6G 2E0

PROGRAMME

(Résumé des informations fournies dans la dernière annonce distribuée par le Comité d'organisation du Congrès)

Thème: Systèmes d'utilisation optimum des sols sous différentes contraintes climatiques.

Séances plénières: Cinq séances plénières du Congrès traiteront des principales zones climatiques du monde. Les conférenciers parleront:

1. Du sol de ces régions, de leurs limites relativement à la production d'aliments et des contraintes climatiques qui y dominent; et
2. Des principaux systèmes actuels de production agricole comparativement à l'utilisation maximum des sols concernés.

Ces sujets seront traités pour les cinq zones climatiques principales suivantes: i) polaire; ii) humide microthermique; iii) humide mésothermique; iv) désert et steppe; v) tropicale humide.

Colloques: On prévoit la tenue de six colloques sur les thèmes suivants:

- 1) Activité des isotopes; 2) Système d'information sur les ressources naturelles;
- 3) Détérioration et remise en valeur du sol; 4) Utilisation des sols du nord canadien;
- 5) *Structure des sols*; 6) *Perspectives à long terme sur les relations sol-climat.*

Commissions: Les sujets auxquels les Commissions accorderont leur préférence ont été mentionnés dans le Bulletin No. 49 (juin 1976) et dans l'annonce distribuée par le Comité d'organisation du Congrès.

Groupes spécialisés et Groupes de travail

Le Comité d'organisation du 11ème Congrès de l'AISS désire fournir toute l'assistance possible aux groupes spécialisés et aux groupes de travail qui voudraient se réunir durant le Congrès. Il y a la Sous-Commission sur les sols salins et les sept groupes de travail de la Société. Vu le grand intérêt manifesté pour les sols forestiers, une réunion spéciale est prévue sur cette question. En outre, certaines Commissions pourraient désirer travailler ou se réunir en dehors des heures prévues par le programme pour la présentation des rapports. Tous les groupes qui désirent réserver du temps et

des locaux à de telles fins doivent en faire la demande au Comité d'organisation du Congrès en indiquant le nombre approximatif de participants. Chaque groupe devra préparer son propre ordre du jour.

EXCURSIONS DU CONGRÈS

Les observations suivantes s'appliquent à toutes les excursions:

- Le nombre de places pour chaque excursion est limité. Elles seront accordées au fur et à mesure de la réception des dépôts, jusqu'à ce que les groupes soient complets.
- Il est conseillé d'indiquer un second et un troisième choix d'excursions, le premier pouvant être refusé faute de place ou en raison d'une annulation.
- Les dépôts seront remboursés si un groupe est complet, ou une excursion annulée, et qu'aucun autre choix n'a été indiqué.
- Le Comité d'organisation doit effectuer, avant novembre 1977, d'importants dépôts pour le logement des participants au cours de toutes les excursions.

Les excursions annulées à cette date faute d'un nombre suffisant d'inscriptions ne pourront plus être rétablies à une date ultérieure même si la demande est forte.

- Notes: 1. Une fiche résumant les grandes lignes des excursions accompagne le formulaire d'inscription.
2. Les informations relatives aux dates et lieux de départ et d'arrivée de l'excursion choisie, ainsi que les renseignements sur les repas et le logement, seront envoyées à chaque participant, après réception de son dépôt.

Excursion No 1, avant le Congrès Coût \$ 680 (Canadiens)

Neuf jours - neuf nuits

Départ de Charlottetown (Ile du Prince-Edouard) le 8 juin; arrivée à Toronto (Ontario) le 17 juin.

Excursion No 10, après le Congrès Coût \$ 680 (Canadiens)

Neuf jours - neuf nuits

Départ de Toronto (Ontario) le 28 juin; arrivée à Halifax (Nouvelle-Ecosse) le 7 juillet.

Itinéraire: Charlottetown (Ile du Prince-Edouard); Amherst, Kentville, Halifax (Nouvelle-Ecosse); vers Québec par avion; Drummondville, Montréal (Québec); Ottawa, Guelph (Ontario); arrivée à Toronto (Ontario).

Note 1: l'itinéraire de l'excursion No 10 est indentique à celui de l'excursion No. 1, mais en direction opposée.

Note 2: Le coût comprend le transport aérien par étapes de Québec à Charlotte-town, mais les participants doivent acquitter le tarif aérien Toronto-Edmonton.

Excursion No 2, avant le Congrès Coût \$ 375 (Canadiens)

Cinq jours - cinq nuits.

Départ de Winnipeg (Man.) le 12 juin; arrivée à Edmonton (Alta.) le 17 juin.

Excursion No 11, après le Congrès Coût \$ 375 (Canadiens)

Cinq jours - cinq nuits

Départ d'Edmonton (Alta.) le 28 juin; arrivée à Winnipeg (Man.) le 2 juillet.

Itinéraire: Winnipeg, Brandon (Manitoba); Regina, Saskatoon, Lloydminster (Saskatchewan); Edmonton (Alberta).

Note: L'excursion No 11 se déroule en direction opposée de l'excursion No 2.

Excursion No 3, avant le Congrès
Coût \$ 500 (Canadiens)

Huit jours - huit nuits

Départ de Vancouver (Col. Br.) le 9 juin; arrivée à Edmonton (Alta.) le 17 juin.

Excursion No 12, après le Congrès
Coût \$ 500 (Canadiens)

Huit jours - huit nuits.

Départ d'Edmonton (Alta.) le 28 juin; arrivée à Vancouver (Col. Br.) le 5 juillet.

Itinéraire: Vancouver, Hope, Penticton, Vernon, Revelstoke, Golden (Col. Br.); Banff, Jasper, Edmonton (Alberta).

Note: L'itinéraire de l'excursion No 12 est indente à celui de l'excursion N. 3, mais en direction opposée.

Excursion No 4, avant le Congrès
Coût \$ 440 (Canadiens)

Cinq jours - six nuits

Départ de Vancouver (Col. brit.) le 11 juin; arrivée à Vancouver (Col. brit.) le 17 juin.

Itinéraire: Vancouver, Victoria, Parksville, Tofino, Nanaimo, Vancouver (Col. Br.).

Note: Le coût ne comprend pas le tarif aérien Vancouver-Edmonton, qui devra être acquitté par les participants.

Excursion No 5, avant le Congrès
Coût \$ 550 (Canadiens)

Neuf jours - neuf nuits

Départ d'Edmonton (Alberta) le 8 juin; arrivée à Edmonton (Alberta) le 17 juin.

Excursion No 13, après le Congrès
Coût \$ 550 (Canadiens)

Neuf jours - huit nuits.

Départ d'Edmonton (Alberta) le 28 juin; arrivée à Edmonton (Alberta) le 6 juillet.

Itinéraire: Edmonton, Drumheller, Brooks, Medicine Hat (Alberta); Swift Current (Saskatchewan); Cypress Hills, Lethbridge, Claresholm, Calgary, Lacombe, Edmonton.

Excursion No 6, après le Congrès
Coût \$ 370 (Canadiens)

Six jours - six nuits.

Départ d'Edmonton (Alta.) le 11 juin; arrivée à Edmonton le 17 juin.

Excursion No 14, avant le Congrès
Coût \$ 370 (Canadiens)

Six jours - six nuits.

Départ d'Edmonton (Alta.) le 28 juin; arrivée à Edmonton le 3 juillet.

Itinéraire: Edmonton, Red Deer, Rocky Mountain House, Jasper, Hinton, Edmonton (Alberta).

Excursion No. 7, avant le Congrès

Excursion dans le district de la Rivière-de-la-Paix: Annulée.

Excursion No 15, après le Congrès

Excursion dans le district de la Rivière-de-la-Paix: Annulée.

Excursion No 8, avant le Congrès
Coût \$ 315 (Canadiens)

Cinq jours - cinq nuits.

Départ d'Edmonton (Alberta) le 12 juin; arrivée à Edmonton le 17 juin.

Excursion No 16, après le Congrès
Coût \$ 315 (Canadiens)

Cinq jours - cinq nuits.

Départ d'Edmonton (Alberta) le 28 juin; arrivée à Edmonton le 2 juillet.

Itinéraire: Edmonton, Calgary, Banff, Lake Louise, Jasper, Edmonton (Alberta).

Excursion No 9, avant le Congrès
Coût \$ 140 (Canadiens)

Une journée. Départ d'Edmonton (Alberta) le 16 juin; excursion le 17 juin.

Excursion No 17, après le Congrès
Coût \$ 140 (Canadiens)

Une journée. Excursion le 28 juin.

Itinéraire: Edmonton, Fort McMurray (Alberta) et retour.

Excursion No 18, après le Congrès
Coût \$ 1 300 (Canadiens)

Huit jours - huit nuits.

Départ d'Edmonton (Alberta) le 18 juin; arrivée à Edmonton le 6 juillet.

Itinéraire: Edmonton (Alberta); Dawson City, (Yukon); Inuvik (Territoires du Nord-Ouest, avec excursion secondaire à Tuktoyaktuk (Territoires du Nord-Ouest).

Excursions locales V1 et V2, avant le Congrès
Coût \$ 30 (Canadiens)

Départ de Vancouver (Colombie britannique) le 8 juin.

Excursion V1: une journée, le 9 juin.

Excursion V2: une journée, le 9 juin.

Excursions locales V3 et V4, après le Congrès
Coût \$ 30 (Canadiens)

Excursion V3: une journée, le 6 juillet.

Excursion V4: une journée, le 6 juillet.

Itinéraire: Excursions V1 et V3: Vancouver, Haney, Vancouver – Excursions V2 et V4: Vancouver, Westham Island, Delta, Abbotsford, Vancouver.

Excursions locales de mi-Congrès Coût \$ 25 (Canadiens)

Une journée.

Le calendrier des excursions sera établi de façon à inclure le plus grand nombre possible de participants.

Itinéraire: E1: Edmonton, Ellerslie, Cooking Lake Moraine, Edmonton (Alberta) – E2: Edmonton, Elk Island Park, Vegreville, Edmonton (Alberta) – E3: Edmonton, Calmare, Breton, Edmonton (Alberta).

LIVRETS-GUIDES

Un livret-guide a été préparé sur chaque excursion et sera remis à chacun des participants. Les congressistes auront la possibilité de se procurer les guides des excursions auxquelles ils ne participeront pas. Chaque guide comprendra l'itinéraire global et détaillé de l'excursion, avec aperçu sur les sols, le climat, la végétation, la géologie, les données agronomiques et l'utilisation des sols des diverses régions visitées. Des descriptions complètes des profils et analyses physiques, chimiques, minéralogiques et micromorphologiques des sols seront présentées.

Ces guides constitueront une source durable et précieuse de données, en particulier pour les personnes engagées dans l'enseignement ou la recherche pédologique.

EXPOSITIONS

Le Comité d'organisation a prévu un certain nombre d'expositions durant le Congrès. Elles s'ajouteront aux expositions commerciales et de services et porteront sur les sujets suivants:

- Divers monolithes, accompagnés de données et de descriptions complètes illustrant le système canadien de classification des sols. La plupart de ces monolithes proviendront des sols observés lors des excursions.
- Une documentation abondante illustrant l'utilisation des sols au Canada.
- La première du film intitulé "The Soils of Canada".
- Toute une gamme d'autres films canadiens et étrangers.
- Publications canadiennes sur la pédologie et l'utilisation des sols.
- L'analyse des sols dans les provinces des Prairies.
- Diapositives en couleurs illustrant les sols canadiens (y compris les sols étudiés au cours des excursions) et les pratiques de gestion des sols au Canada. (Des doubles de ces diapositives seront offerts aux participants au prix coûtant.)
- Quelques expositions permanentes, transportées par camions-remorques, des musées nationaux du Canada.

Du matériel analogue sera également prêté par une fondation philanthropique canadienne.

La population d'Edmonton et des environs sera invitée à visiter les expositions à certaines périodes durant le Congrès.

"SOILS OF CANADA"

Le Ministère de l'Agriculture du Canada vient de publier deux volumes intitulés "The Soils of Canada". Le premier traite des ressources pédologiques du point de vue technique et analytique, tandis que le second présente des données sur l'environnement ainsi que des cartes pédologiques.

"The Soils of Canada" sera en vente au prix de \$ 25 au cours du Congrès. (Ailleurs, le prix de vente est de \$ 30).

SOUSSION ET PRESENTATION DES COMMUNICATIONS

Les membres qui désirent présenter une communication doivent soumettre une version écrite de leur exposé (y compris tableaux et illustrations) ne dépassant pas 1 800 mots. Ces textes doivent parvenir au Comité d'organisation du Congrès le 1er octobre 1977 au plus tard. Les auteurs seront avisés de l'acceptation ou du refus de leur texte avant le 31 décembre 1977. Le manuscrit devra être dactylographié à double interligne, sur le recto de la feuille seulement (21 x 28 cm) et rédigé dans l'une des trois langues officielles — anglais, français ou allemand. Dans la mesure du possible, les textes français ou allemands devront être accompagnés de leur traduction en anglais.

Les communications pourront être présentées au Congrès de la façon traditionnelle ou au cours de séances spéciales. L'exposé écrit devra être accompagné d'un résumé de 100 à 150 mots. Seuls les résumés des communications présentées au cours des séances de la Commission seront publiés par le Congrès; les auteurs pourront donc, s'ils le désirent, faire publier leurs textes intégraux dans des revues scientifiques nationales. Les directives et conditions générales pour la présentation des communications ont été publiées dans les Bulletins No 49 et 50 et seront envoyées aux auteurs en même temps que l'avis d'acceptation de leur communication.

DATES LIMITES IMPORTANTES

— **1er octobre 1977.** Réception des textes et des résumés de ceux qui désirent présenter des communications au Congrès.

— **1er novembre 1977.** En vue d'éviter toute déception, les participants aux excursions devront faire parvenir leurs dépôts avant cette date.

— **30 avril 1978.** Réception des formulaires d'inscription et des dépôts afin d'éviter une charge supplémentaire de \$ 25 pour les retardataires.

PROGRAMME POUR LES PERSONNES ACCOMPAGNANT LES CONGRESSISTES

L'inscription des conjoints et autres adultes accompagnant les participants leur donne droit à participer aux cérémonies du Congrès, à assister aux séances et expositions techniques, de même qu'à de nombreuses activités sociales et récréatives. Un vaste programme d'excursions quotidiennes et les visites en groupe a également été prévu pour toutes les personnes intéressées, y compris les enfants. Des billets seront en vente pour certaines de ces activités, tandis que d'autres seront gratuites.

Il n'y aura pas de programme spécifique pour les enfants, mais ceux-ci seront admis à toutes les activités susmentionnées pourvu qu'ils soient accompagnés d'un adulte.

Edmonton est une jeune ville moderne de 500 000 habitants environ. Le temps y est normalement très agréable en juin, les maxima variant de 15 à 25°C dans la journée. Lors de l'inscription, les participants recevront des informations supplémentaires sur le temps et sur les vêtements à prévoir pour la saison.

La ville d'Edmonton sera l'hôte des Jeux du Commonwealth en août 1978. Au moment du Congrès les nouvelles installations sportives et le nouveau métro seront ouverts au public. Parmi les autres points d'intérêt, mentionnons le musée provincial, le planétarium, le jardin zoologique pour enfants, plusieurs centres d'achat modernes, l'hippodrome, le vieux fort restauré d'Edmonton, des manufactures et des établissements de transformation modernes, et un vaste complexe pétrochimique.

De courtes randonnées à l'extérieur de la ville permettent de visiter le parc national de Elk Island (bisons et autres animaux indigènes), les champs pétrolifères, la réserve de gibier de l'Alberta (un jardin zoologique extérieur réputé) et de pittoresques régions agricoles.

Les congressistes pourront choisir les activités correspondant à leurs intérêts particuliers.

TABLEAU DES COUTS (en dollars canadiens)

Droits d'inscription

Membres de l'AISS (versements avant le 30 avril 1978)	\$ 100
Non-membres (versements avant le 30 avril 1978)	\$ 120
Etudiant (effectivement inscrit en juin 1978)	\$ 50
Personnes accompagnant les congressistes (sauf les enfants)	\$ 25
Frais supplémentaires pour inscription après le 30 avril	\$ 25

Logement

Dans les résidences de l'Université (repas exclus)	
Par personne, occupation simple	\$ 13/jour
Par personne, occupation double	\$ 11/jour
Repas: au choix, en espèces ou coupons de repas à	\$ 9/jour
Hôtels et motels (repas exclus)	
Première classe. Par personne (occupation simple)	\$ 25-30/jour
Par personne (occupation double)	\$ 17-20/jour
Deuxième classe. Par personne (occupation simple)	\$ 18-25/jour
Par personne (occupation double)	\$ 12-15/jour
Repas dans les restaurants - total	\$ 10-18/jour
Dépôt exigé pour les réservations (résidences de l'Université, hôtels ou motels)	\$ 100

Note: Aucune réservation ne sera faite sans un dépôt de \$ 100.

Seuls les 1 800 premiers inscrits pourront être logés dans les résidences de l'Université.

Le logement n'est pas garanti dans le cas des demandes reçues après le 30 avril 1978.

EXCURSIONS AUX EUA

Les participants au 11ème Congrès AISS auront l'occasion, s'ils le désirent, de prendre part à une excursion aux EUA organisée par la Soil Science Society of America. Ces tournées aux EUA auront lieu soit avant les excursions pré-congrès au Canada, soit après les excursions post-congrès. L'itinéraire et le coût (en \$ EU) de ces excursions sont décrits à la page 11 du présent Bulletin.

Information et inscription:

R.B. Daniels
Co-Chairman, ISSS Tour Committee,
SCS - USDA
P.O. Box 2890
Washington, D.C. 20013, U.S.A.



11. IBG-KONGRESS

Edmonton, Kanada, 19.-27. Juni 1978

ENDGÜLTIGE ANMELDUNG

Die letzte Ankündigung über den 11. IBG-Kongress wurde vom Organisationskomitee an alle IBG-Mitglieder versandt. Sie enthielt einen verbindlichen Anmeldevordruck mit Angabe der Termine für Anmeldung, Einreichung der Referate, Anzahlungen für Exkursionen und Unterbringung. Da diese Ankündigung über alle Einzelheiten des Kongresses genaue Auskunft gibt, beschränken sich die vorliegenden Mitteilungen auf eine kurze Zusammenfassung aller Informationen. Mitglieder, die die ausführlichen Informationen nicht erhalten haben, können diese bei der folgenden Adresse anfordern:

11th ISSS Congress
Box 78, Sub 11
University of Alberta
Edmonton, Canada T6G 2E0

KONGRESSPROGRAMM

(Zusammenfassung der vom Organisationskomitee versandten letzten Ankündigung)

Thema: Optimale Bodennutzungssysteme bei unterschiedlichen klimatischen Grenzbedingungen.

Plenarsitzungen: Fünf Plenarsitzungen des 11. IBG-Kongresses werden den bedeutendsten Klimazonen der Welt gewidmet sein, wobei die Vortragenden folgende Themen erfassen:

1. Die Böden, ihre wesentliche Begrenzung für die Nahrungsmittelproduktion und die limitierenden klimatischen Grenzbedingungen;
2. Die derzeit wichtigsten Bewirtschaftungssysteme im Vergleich zur optimalen Nutzung der betreffenden Böden.

Diese Themen werden für jede der fünf Hauptklimazonen diskutiert: i) polare Zone; ii) feuchte mikrothermale Zone; iii) feuchte mesothermale Zone; iv) Wüsten- und Steppenzone; v) tropische Regenzone.

Symposien: Es sind sechs Symposien geplant, die sich mit den folgenden Themen befassen werden:

- 1) Isotopen in Aktion; 2) Bodeninformationssysteme; 3) Bodendegradierung- und Verbesserung; 4) Nutzung der nordkanadischen Böden; 5) Bodenstruktur; 6) Langfristige Beobachtung der Wechselbeziehung zwischen Boden und Klima.

Kommissionen: Die von den Kommissionen bevorzugten Referatsthemen wurden in den Mitteilungen Nr. 49 und in der von dem Organisationskomitee versandten Ankündigung aufgeführt.

Besondere Interessen- und Arbeitsgruppen: Das Organisationskomitee für den 11. IBG-Kongress möchte besonderen Interessen- und Arbeitsgruppen die Möglichkeit bieten, während des Kongresses Sitzungen abzuhalten. Es gibt eine Subkommission für Salzböden und sieben Arbeitsgruppen der Gesellschaft. Wegen des grossen Interesses an dem Thema Forsten und Böden ist eine Sondersitzung darüber vorgesehen. Zusätzlich

möchten einige der Kommissionen Geschäfts- oder andere Sondersitzungen ausserhalb der im Programm für Referate vorgesehenen Zeiten ansetzen. Alle Gruppen, die zu diesem Zweck Zeit und Raum zur Verfügung gestellt bekommen möchten, sollten sich für eine entsprechende Vormerkung schriftlich unter Angabe der ungefähren Teilnehmerzahl an das Organisationskomitee wenden. Jede dieser Gruppen ist für ihren eigenen Sitzungsplan verantwortlich.

KONGRESSEXKURSIONEN

Die folgenden wichtigen Punkte sind auf alle Exkursionen anwendbar:

- Alle Exkursionen haben eine begrenzte Platzzahl. Die vorhandenen Plätze werden gemäss dem Eingang der Anzahlungen vergeben.
- Es ist ratsam, eine 2. oder 3. Wahl für die Exkursionen anzugeben, falls die erste Wahl ausgebucht ist oder gestrichen wird.
- Anzahlungen werden rückerstattet, falls eine Exkursion ausgebucht ist oder gestrichen wird und keine 2. oder 3. Wahl angegeben wurde.
- Das Organisationskomitee muss für die Unterbringung während der Exkursionen bis November 1977 grössere Anzahlungen leisten.

Exkursionen, die zu diesem Zeitpunkt wegen ungenügender Anmeldungen gestrichen werden müssen, können auch bei späterem erheblichen Interesse nicht mehr aufgenommen werden.

Anmerkungen: 1. Gedruckte detaillierte Informationen sind der Anmeldung beigelegt.

2. Jeder Exkursionsteilnehmer erhält nach Eingang seiner Anzahlung genaue Anweisungen über Zeit und Ort des Beginns und Endes seiner Exkursion, einschliesslich der Vorkehrungen für Verpflegung und Unterbringung.

Exkursion vor dem Kongress Nr. 1

Preis: \$ 680 (Kan.)

Neun Tage - Neun Nächte.

Sammelpunkt Charlottetown (P.E.I.) 8. Juni; Endstation Toronto (Ont.) 17. Juni.

Exkursion nach dem Kongress Nr. 10

Preis: \$ 680 (Kan.)

Neun Tage - Neun Nächte.

Sammelpunkt Toronto (Ont.) 28. Juni; Endstation Halifax (N.S.) 7. Juli.

Route: Charlottetown (Prince Edward Island); Amherst, Kentville, Halifax (Nova Scotia); per Flugzeug nach Quebec City; Drummondville, Montreal (Quebec); Ottawa, Guelph (Ontario); Endstation Toronto (Ontario).

Anm. 1: Exkursion Nr. 10 verläuft in entgegengesetzter Richtung zu Nr. 1.

Anm. 2: Verbindungsflüge Quebec City nach Charlottetown sind im Preis enthalten; der Flug Toronto-Edmonton muss vom Teilnehmer getragen werden.

Exkursion vor dem Kongress Nr. 2

Preis: \$ 375 (Kan.)

Fünf Tage - fünf Nächte.

Sammelpunkt Winnipeg (Man.) 12. Juni; Endstation Edmonton (Alta.) 17. Juni.

Exkursion nach dem Kongress Nr. 11

Preis: \$ 375 (Kan.)

Fünf Tage - fünf Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Winnipeg (Man.) 2. Juli.

Route: Winnipeg, Brandon (Manitoba); Regina, Saskatoon, Lloydminster (Saskatchewan); Edmonton (Alberta).

Anm.: Exkursion Nr. 11 verläuft in entgegengesetzter Richtung zu Nr. 2.

Exkursion vor dem Kongress Nr. 3

Preis: \$ 500 (Kan.)

Acht Tage - acht Nächte

Sammelpunkt Vancouver (B.C.) 9. Juni; Endstation Edmonton (Alta.) 17. Juni.

Exkursion nach dem Kongress Nr. 12

Preis: \$ 500 (Kan.)

Acht Tage - acht Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Vancouver (B.C.) 5. Juli.

Route: Vancouver, Hope, Penticton, Vernon, Revelstoke, Golden (B.C.); Banff, Jasper, Edmonton.

Anm.: Exkursion Nr. 12 verläuft in entgegengesetzter Richtung zu Nr. 3.

Exkursion vor dem Kongress Nr. 4

Preis: \$ 440 (Kan.)

Fünf Tage - sechs Nächte.

Sammelpunkt Vancouver (B.C.) 11. Juni; Endstation Vancouver (B.C.) 17. Juni.

Route: Vancouver, Victoria, Parksville, Tofino, Nanaimo, Vancouver (B.C.).

Anm.: Verbindungsflug Vancouver-Edmonton ist im Preis nicht enthalten sondern muss vom Teilnehmer getragen werden.

Exkursion vor dem Kongress Nr. 5

Preis: \$ 550 (Kan.)

Neun Tage - neun Nächte.

Sammelpunkt Edmonton (Alta.) 8. Juni; Endstation Edmonton (Alta.) 17. Juni.

Exkursion nach dem Kongress Nr. 13

Preis: \$ 550 (Kan.)

Neun Tage - neun Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Edmonton (Alta.) 6. Juli.

Route: Edmonton, Drumheller, Brooks, Medicine Hat (Alberta); Swift Current (Saskatchewan); Cypress Hills, Lethbridge, Claresholm, Calgary, Lacombe, Edmonton.

Exkursion von dem Kongress Nr. 6

Preis: \$ 370 (Kan.)

Sechs Tage - sechs Nächte.

Sammelpunkt Edmonton (Alberta) 11. Juni; Endstation Edmonton 17. Juni.

Exkursion nach dem Kongress Nr. 14

Preis: \$ 370 (Kan.)

Sechs Tage - sechs Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Edmonton (Alta.) 3. Juli.

Route: Edmonton, Red Deer, Rocky Mountain House, Jasper, Hinton, Edmonton.

Exkursion vor dem Kongress Nr. 7

Exkursion zum Peace River District: Gestrichen

Exkursion nach dem Kongress Nr. 15

Exkursion zum Peace River District: Gestrichen

Exkursion vor dem Kongress Nr. 8

Preis: \$ 315 (Kan.)

Fünf Tage - fünf Nächte.

Sammelpunkt Edmonton (Alta.) 12. Juni; Endstation Edmonton (Alta.) 17. Juni.

Exkursion nach dem Kongress Nr. 16

Preis: \$ 315 (Kan.)

Fünf Tage - fünf Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Edmonton (Alta.) 2. Juli.

Route: Edmonton, Calgary, Banff, Lake Louise, Jasper, Edmonton (Alberta).

Exkursion vor dem Kongress Nr. 9

Preis: \$ 140 (Kan.)

Ein Tag.

Sammelpunkt Edmonton (Alta.) 16. Juni; Exkursion 17. Juni.

Exkursion nach dem Kongress Nr. 17

Preis: \$ 140 (Kan.)

Ein Tag.

Exkursion 28. Juni.

Route: Edmonton nach Fort McMurray (Alberta) und zurück.

Exkursion nach dem Kongress Nr. 18

Preis: \$ 1,300 (Kan.)

Acht Tage - acht Nächte.

Beginn Edmonton (Alta.) 28. Juni; Endstation Edmonton (Alta.) 6. Juli

Route: Edmonton (Alberta); Dawson City (Yukon); Inuvik (Nordwest-Territorien) mit einem Abstecher nach Tuktoyaktuk (Nordwest-Territorien).

Lokale Exkursionen vor dem Kongress Nr. V1 und V2

Preis: \$ 30 (Kan.)

Sammelpunkt Vancouver (B.C.) 8. Juni.

Exkursion V1: Ein Tag - 9. Juni.

Exkursion V2: Ein Tag - 9. Juni.

Lokale Exkursionen nach dem Kongress Nr. V3 und V4

Preis: \$ 30 (Kan.)

Exkursion V3: Ein Tag - 6. Juli.

Exkursion V4: Ein Tag - 6. Juli.

Route: Exkursionen V1 und V3: Vancouver, Haney, Vancouver (B.C.) – Exkursionen V2 und V4: Vancouver, Westham Island, Delta, Abbotsford, Vancouver (B.C.).

Lokale Exkursionen während des Kongresses

Preis: \$ 25 (Kan.)

Ein Tag.

Die Touren werden so gelegt, dass möglichst viele Kongressbesucher daran teilnehmen können.

Route: E1: Edmonton, Ellerslie, Cooking Lake Moraine, Edmonton (Alberta) – E2: Edmonton, Elk Island Park, Vegreville, Edmonton (Alberta) – E3: Edmonton, Calmar, Breton, Edmonton (Alberta).

EXKURSIONSFÜHRER

Jeder Exkursionsteilnehmer erhält einen Führer für seine Exkursion. Kongressteilnehmer, die an den Exkursionen nicht teilnehmen, können alle Führer kaufen. Diese Führer enthalten Beschreibungen der Routen und Tagesrouten, eine Übersicht über die gesamte Route mit Diskussion der Böden, Klima, Vegetation, Geologie, agronomischen Angaben und der Bodennutzung. Detailbeschreibungen der Bodenprofile mit physikalischen, chemischen, mineralogischen und mikromorphologischen Analysen sind dargestellt.

Die Führer sind von bleibendem Nutzen und Interesse besonders für Personen, die sich mit der Lehre und/oder Forschung in der Bodenkunde befassen.

AUSSTELLUNGEN

Das Organisationskomitee plant umfassende Ausstellungen, die ausser dem kommerziellen Angebot für Ausrüstungen und Dienstleistungen folgende Gebiete erfassen:

- Bodenmonolythen, begleitet von umfassenden Angaben und Beschreibungen, die das kanadische Bodenklassifikationssystem illustrieren. Die meisten dieser *Monolythen stammen aus Profilen, die während der Kongressexkursionen besucht werden.*
- Umfassende Ausstellungen zur Illustrierung der Bodennutzung in Kanada.
- Die Premiere des Films "Die Böden Kanadas".
- Eine Auswahl anderer kanadischer und nicht-kanadischer Filme.
- Veröffentlichungen über Bodenkunde und Bodennutzung aus ganz Kanada.
- Bodentests in den Prärieprovinzen.
- Farbdiapositive von kanadischen Böden (einschliesslich von Bodenprofilbesichtigungen während der Exkursionen) und über Bodenbewirtschaftungsmethoden in Kanada. (Duplikate dieser Diapositive können während des Kongresses zum Selbstkostenpreis erworben werden.)
- Einige grosse, fahrbare, permanente Ausstellungen des Nationalmuseums von Kanada.

Ähnliche Ausstellungen werden auch von einer kanadischen philanthropischen Gesellschaft leihweise zur Verfügung gestellt.

Es wird beabsichtigt, die Öffentlichkeit von Edmonton und Umgebung zum Besuch dieser Ausstellungen während bestimmter Zeiten während des Kongresses aufzufordern.

DIE BÖDEN KANADAS

Agriculture Canada hat soeben zwei Bände "Soils of Canada" herausgebracht. Der erste Band handelt von Bodenreserven in technischen und analytischen Angaben. Der zweite Band vermittelt Umwelt- und Bodenkarteninformationen.

"Soils of Canada" wird während des Kongresses für \$ 25.00 erhältlich sein (Verkauf ins Ausland: \$ 30.00).

EINREICHUNG UND VORTRAG DER REFERATE

Mitglieder, die die Absicht haben, eine wissenschaftliche Abhandlung vorzutragen, sollten eine Kopie ihres Wortbeitrages (einschliesslich Tabellen, Ziffern, etc., insgesamt nicht mehr als 1800 Worte) einreichen. Diese Referate sollten das Organisationskomitee des Kongresses bis zum 1. Oktober 1977 erreichen. Autoren werden über die Entscheidung hinsichtlich der Annahme ihres Beitrages vor dem 31. Dezember 1977 informiert. Die Referate sollten mit doppeltem Zeilenabstand und einseitig (21 x 28 cm) maschinengeschrieben sein, in einer der offiziellen Sprachen – Englisch, Französisch oder Deutsch. Es wäre von Vorteil, wenn eine englische Übersetzung für Beiträge in Deutsch oder Französisch mitgesandt werden könnte.

Während des Kongresses können die Referate entweder in der üblichen Form oder als Poster-Vortrag präsentiert werden. Eine Kurzfassung von 100-150 Wörtern soll dem Referat beigelegt sein. Der Kongress veröffentlicht nur die Kurzfassungen von Referaten, die in den Kommissionssitzungen gehalten wurden; Autoren können daher den vollen Wortlauf ihrer Referate zur Veröffentlichung anbieten, z.B. in nationalen Zeitschriften. Die allgemeinen Richtlinien und Bedingungen für den Vortrag von Referaten wurden in den Mitteilungen Nr. 49 und 50 veröffentlicht und werden den Autoren zusammen mit der Nachricht zugehen, dass ihre Referate zum Vortrag angenommen worden sind.

WICHTIGE TERMINE

- **1. Oktober 1977:** Eingang der schriftlichen Referate und Kurzfassungen von Personen, die ein Referat während des Kongresses vortragen wollen.
- **1. November 1977:** Anzahlungen für Exkursionen sollten bis zu diesem Datum eingegangen sein, um Enttäuschungen zu vermeiden.
- **30. April 1978:** Eingang der Anmeldung mit Anzahlung, um den Aufschlag von \$ 25.00 bei späterer Anmeldung zu vermeiden.

PROGRAMM FÜR BEGLEITPERSONEN

Die Anmeldung von Ehegatten und anderen erwachsenen Begleitpersonen berechtigt zu deren Teilnahme an Kongresszeremonien, technischen Sitzungen und Ausstellungen, sowie zur Teilnahme an vielen gesellschaftlichen Veranstaltungen. Ein ausgedehntes Programm von Tagesausflügen, Besuchen und Stadtrundfahrten wird allen interessierten Begleitpersonen einschliesslich Kindern geboten. Für einige dieser Veranstaltungen werden Karten verkauft, andere sind kostenlos.

Es ist kein besonderes Kinderprogramm vorgesehen, aber Kinder in Begleitung Erwachsener sind bei allen obengenannten Veranstaltungen willkommen.

Edmonton ist eine junge, moderne Stadt mit 500 000 Einwohnern. Im Juni ist das Wetter gewöhnlich schön mit Tagestemperaturen von 15-25°C. Bei Eingang der Anmeldung erhält jeder Teilnehmer weitere Informationen über das Wetter und Ratschläge für der Jahreszeit angemessene Kleidung.

Die Stadt Edmonton wird im August 1978 die Commonwealth-Spiele ausrichten. Zur Zeit des Kongresses werden neue Athletikeinrichtungen und eine neue U-Bahn (Metro) bereits in Betrieb sein. Andere Sehenswürdigkeiten der Stadt sind ein Provinzmuseum, Planetarium, Kinderzoo, verschiedene moderne Einkaufszentren, Pferderennen, die Nachbildung des Alten Fort Edmonton, eine Anzahl moderner Fabriken und Verarbeitungsanlagen und ein grosser Petrochemiekomplex.

Kurze Landausflüge führen zum Elk Island Nationalpark (Büffel und andere einheimische Tiere), zu Olfeldern, der Alberta-Wildfarm (ein bekannter Tierpark) und zu sehenswerten Farmgebieten.

Kongressteilnehmer können je nach Interesse ihr eigenes Programm zusammenstellen.

KOSTENAUFSTELLUNG (in kanadischen Dollars)

Anmeldegebühren

IBG-Mitglieder, bei Eingang bis 31. April 1978	\$ 100
Nicht-Mitglieder, bei Eingang bis 31. April 1978	\$ 120
Studenten (immatrikuliert, Juni 1978)	\$ 50
Begleitpersonen (ausschliesslich Kinder)	\$ 25
Aufschlag pro Teilnehmer für Anmeldungen nach dem 30. April	\$ 25

Unterbringung

In Universitätsresidenz, ohne Mahlzeiten	
Pro Person, Einzelzimmer	\$ 13/Tag
Pro Person, Doppelzimmer	\$ 11/Tag
Mahlzeiten: Barzahlung oder Tagesticket für	\$ 9/Tag
In Hotels und Motels, ohne Mahlzeiten	
1. Klasse: pro Person, Einzelzimmer	\$ 25-30/Tag
pro Person, Doppelzimmer	\$ 17-20/Tag
2. Klasse: pro Person, Einzelzimmer	\$ 18-25/Tag
pro Person, Doppelzimmer	\$ 12-15/Tag
Mahlzeiten im Restaurant - insgesamt	\$ 10-18/Tag
Anzahlung für Reservierung in Universitätsresidenz, Hotel oder Motel	\$ 100

Anm.: Ohne die Anzahlung von \$ 100 kann keine Reservierung vorgenommen werden.

Unterbringung in der Universitätsresidenz ist auf die ersten 1800 Anmeldungen beschränkt.

Bei Anmeldungen, die nach dem 30. April 1978 eingehen, kann keine Garantie für Unterbringung übernommen werden.

EXKURSIONEN IN DEN U.S.A.

In Verbindung mit dem Kongress wird es die Möglichkeit geben, Exkursionen in den U.S.A. zu unternehmen, die von der Amerikanischen Bodenkundlichen Gesellschaft organisiert werden.

Diese Exkursionen werden entweder vor den Exkursionen in Kanada vor dem Kongress oder nach den Exkursionen nach dem Kongress stattfinden. Die Routen und Kostenaufstellung (in USA Dollars) für diese Exkursionen sind auf Seite 11, beschrieben. Interessenten sollten sich an die folgende Adresse wenden:

R.B. Daniels
Co-Chairman ISSS Tour Committee
SCS - USDA
P.O. Box 2890
Washington D.C. 20013, U.S.A.

PROPOSED CHANGES IN THE RULES OF THE ISSS (May 1977)

At the 10th Congress of the ISSS held in Moscow in 1974, the Council of the Society set up a Committee on Rules consisting of E.G. Hallsworth (Chairman), P. Buringh, I. Garbouchev, E. Schlichting, R. Tavernier and R. Dudal (Secretary).

This Committee has reviewed the existing Rules, taking into account suggestions received for amendments and incorporating recommendations which the Council had already accepted. The changes listed below were put forward either by the Council or by a group of not less than 20 members as required by the existing Rules.

In order that members can see the relationship of the changes to the existing Rules of the Society (1968), all articles, including those in which no changes are proposed, are reproduced in this paper. Changes on which members are asked to vote are the direct changes. Certain of these changes, if accepted, may entail a consequent change of other articles.

The direct changes fall into two classes:

(a) those which do not involve issues of principle; of these, the changes favoured by the Committee are indicated by an asterisk *;

(b) those which involve a matter of principle; on these the Committee makes no comment but the reasons suggested for the change are set out above each section.

All the changes and alternatives involved are listed below, with a space provided on the right hand side for members to indicate their choice with an "X". Where no changes are proposed or in case of consequent changes, no vote is required. Once the members have determined their preferences on the basis of the present document, they should **transcribe them on the voting sheet** (in the front of this Bulletin) which should be returned by 31 December 1977 to the Chairman of the Committee on Rules, Dr. E.G. Hallsworth.

This Bulletin includes the English version of the proposed changes so that all members would have the original text prepared by the Committee. The French and German versions of the proposed changes are supplied separately to French speaking and German speaking members of the Society. In case members would wish to obtain an additional language version to the one(s) which they have received, they could request it from the Secretariat. The voting sheet included in this Bulletin is to be used for all three language versions. Members are urged to express their opinion so that the new Rules would be the result of a wide consensus.

CHANGEMENTS PROPOSES AU REGLEMENT DE L'AISS (Mai 1977)

Lors du 10ème Congrès de l'AISS, tenu à Moscou en 1974, le Conseil de l'Association établit un Comité du Règlement composé de MM. E.G. Hallsworth (Président), P. Buringh, I. Garbouchev, E. Schlichting, R. Tavernier et R. Dudal (Secrétaire).

Ce Comité a examiné les Règlements en vigueur, en tenant compte des suggestions reçues pour amendements et en incorporant les recommandations déjà acceptées par le Conseil. Les changements énumérés ci-dessous ont été proposés soit par le Conseil soit par un groupe comprenant au moins 20 membres, comme le requiert le Règlement actuel.

Afin de donner aux membres une idée précise des changements proposés par rapport au Règlement existant (1968), tous les articles, y compris ceux pour lesquels aucune modification n'est proposée, sont reproduits dans ce document. Les changements pour lesquels il est demandé aux membres de voter sont les changements directs. Certains de ces changements, s'ils sont acceptés, peuvent entraîner une modification des autres articles.

Les changements directs peuvent être inclus dans deux classes:

(a) ceux qui n'impliquent pas de décisions de principe; parmi ceux-ci, les changements pour lesquels le Comité a marqué une préférence sont indiqués par un astérisque *;

(b) ceux qui impliquent une question de principe; pour ceux-ci, le Comité ne marque aucune préférence mais note les raisons pour lesquelles le changement est suggéré.

Tous les changements et alternatives sont énumérés ci-après. Les membres pourront indiquer leur choix en marquant d'un "X" la case située à droite de la feuille. Lorsqu'aucun changement n'est proposé ou dans le cas de changements qui découlent automatiquement d'autres modifications aucun vote n'est requis. Lorsque les membres auront décidé de leur préférences sur la base du présent document, ils sont priés de **les transcrire sur le bulletin de vote inclus** en première page dans ce Bulletin et de le renvoyer avant le 31 décembre 1977 au président du Comité du Règlement, Dr. E.G. Hallsworth.

La version anglaise des changements proposés est reproduite dans ce Bulletin afin que tous les membres soient en possession du texte original préparé par le Comité. Les versions française et allemande sont fournies séparément aux membres de l'Association d'expressions française et allemande. Les membres qui désirent recevoir une version dans une autre langue que celle(s) qu'ils ont reçue(s) peuvent en faire demande au Secrétariat. Le bulletin de vote inclus dans ce Bulletin est à utiliser pour les trois langues. Les membres sont priés de bien vouloir exprimer leur opinion dans les meilleurs délais afin que le nouveau Règlement puisse être le résultat d'une large consultation.

VORGESCHLAGENE ÄNDERUNGEN DER IBG-SATZUNG (Mai 1977)

Während des 10. IBG-Kongresses in Moskau in 1974 setzte der Beirat ein Satzungskomitee ein, das von den folgenden Personen gebildet wurde: E.G. Hallsworth (Vorsitzender), P. Buringh, I. Garbouchev, E. Schlichting, R. Tavernier und R. Dudal (Sekretär).

Das Komitee hat die bestehende Satzung unter Berücksichtigung der eingereichten Änderungsvorschläge überprüft und Vorschläge, die der Beirat bereits angenommen hatte, in die Satzung aufgenommen. Die unten aufgeführten Änderungen wurden entweder vom Beirat oder, entsprechend der bestehenden Satzung, von einer Gruppe von mindestens 20 Mitgliedern vorgeschlagen.

Um den Mitgliedern die Alternativen zu der bestehenden Gesellschaftssatzung (1968) zu verdeutlichen, sind auch diejenigen Artikel in dieser Mitteilung enthalten, zu denen keine Änderungsvorschläge vorliegen. Die zur Abstimmung vorgeschlagenen Alternativen betreffen direkte Änderungen. Die Annahme gewisser Alternativen bewirkt Folgeänderungen in anderen Artikeln.

Es gibt zwei Arten von direkten Änderungen:

(a) keine Grundsatzregel betreffend – hier sind die vom Komitee befürworteten Änderungen mit einem Sternchen * versehen;

(b) eine Grundsatzregel betreffend – hier nimmt das Komitee nicht Stellung, gibt aber die Gründe für die Änderung zu Beginn jedes Abschnittes an.

Alle Änderungsvorschläge und Alternativen sind mit einer Spalte am rechten Rand versehen, in der die Mitglieder ihre Wahl mit "X" kennzeichnen sollten. Wo keine Änderungen vorgeschlagen sind oder bei Folgeänderungen ist keine Abstimmung erforderlich. **Mitglieder sollten ihre Entscheidungen anhand dieser Unterlage treffen und den in diesen IBG-Mitteilungen enthaltenen Stimmzettel ausgefüllt** bis zum 31. Dezember 1977 an den Vorsitzenden des Satzungskomitees, Dr. E.G. Hallsworth, senden.

Diese IBG-Mitteilungen enthalten die englische Fassung der vorgeschlagenen Änderungen, so dass allen Mitgliedern der vom Komitee erarbeitete Originaltext zur Verfügung steht. Französisch und deutsch sprechende Gesellschaftsmitglieder erhalten die französische bzw. deutsche Fassung der Änderungsvorschläge getrennt zugeschiedt. Falls Mitglieder zusätzliche Sprachversionen wünschen, können sie diese beim Sekretariat anfordern. Der Stimmzettel, der in diesen IBG-Mitteilungen enthalten ist, gilt für alle drei Sprachfassungen. Die Mitglieder sind aufgefordert Stellung zu nehmen, damit die neue Satzung auf einer weitgehenden Übereinstimmung beruht.

RULES

A. NAME, OBJECTS AND SEAT OF THE SOCIETY

A.1	Existing	The name of the Society shall be the International Society of Soil Science (I.S.S.S.) or its equivalent in other languages. (No change proposed - no vote required)	
A.2	Existing	The general object of the Society shall be to foster all branches of soil science.	A.2 E <input type="checkbox"/>
A.2	Alternative	<i>The general object of the Society shall be to foster all branches of soil science and its applications.</i>	*A.2 A <input type="checkbox"/>
A.3a	Existing	Arrange scientific congresses and conferences.	A.3a E
A.3a	Alternative	<i>Arrange for the organisation of scientific congresses and conferences.</i>	*A.3a A <input type="checkbox"/>
A.3b	Existing	Form commissions and sub-commissions dealing with general problems of soil science.	A.3b E <input type="checkbox"/>
A.3b	Alternative	<i>Form commissions, sub-commissions and working groups dealing with special problems of soil science.</i>	*A.3b A <input type="checkbox"/>
A.3c	Existing	Arrange for the publication of the proceedings of all congresses and conferences.	A.3c E <input type="checkbox"/>
A.3c	Alternative	<i>Arrange for the publication of material relevant to the activities of the Society.</i>	*A.3c A <input type="checkbox"/>
A.3d	Proposed	A new rule is proposed <i>Establish co-operation with other interested organisations which have related fields of work and similar objectives.</i>	*A.3d P <input type="checkbox"/>
A.4	Existing	The seat of the Society is the address of the Secretary General/Treasurer.	
A.4	Alternative	<i>The seat of the Society is the address of the Secretary General. (This change will be made automatically should it be decided to split the Office of the Secretary General/Treasurer).</i>	

B. MEMBERSHIP

B.1	Existing	All individuals and corporate bodies engaged in the study of soil science are eligible for membership unless the Officers shall have determined otherwise. A corporate body may have only one individual member representing it in the Society.	B.1 E <input type="checkbox"/>
B.1	Alternative	<i>Membership of the International Society of Soil Science is open to all persons and institutions engaged in the study or application of soil science. The officers shall decide on the noneligibility for membership in specific cases. The following classes of members shall be recognised:</i> <i>a. Active members - persons who are participating in an individual capacity.</i> <i>b. Sustaining members - corporate bodies, industrial organisations or other agencies. Such bodies may only have one individual member representing it in the Society.</i> <i>c. Honorary members - as defined below.</i>	*B.1 A <input type="checkbox"/>
B.2	Existing	<p>a. The Society may confer Honorary Membership upon distinguished Soil Scientists who have retired from active posts. Their number shall not exceed fifteen at any one time.</p> <p>b. Honorary Members may be elected at every Congress, but no more than one for every thousand members of the Society.</p> <p>c. The Secretary General shall ask the Council for proposals not less than one year before each Congress.</p> <p>d. Proposals must be received by the Secretary General not less than six months before the next Congress.</p> <p>(No change proposed - no vote required).</p>	
B.3	Existing	Membership of the Society shall lapse if the member is one year in arrears with his subscription, payment being due on January 1st of each calendar year. (No change proposed - no vote required).	
B.4	Existing	A member can be expelled by the Council if in their opinion he has violated the Rules or decisions of the Society. (No change proposed - no vote required).	

C. STRUCTURE OF THE SOCIETY

- C.1 Existing The Society shall carry out its work through the following bodies:
- a. The Congress
 - b. The Officers
 - c. The Executive Committee
 - d. The Council
 - e. The Commissions
- (No change proposed - no vote required).
-

D. THE CONGRESS

- D.1 Existing The purpose of the Congress is the advancement of soil science through the holdings of plenary meetings, symposia, commission meetings, exhibitions, excursions, or in any other way the Council may determine. D.1 E
- D.1 Alternative *The purpose of the Congress is to handle the business of the Society so as to ensure the advancement of soil science and its applications. This will be done by general meetings held during the Congress, and through the holding of plenary meetings, symposia, commission meetings, exhibitions, excursions, or in any other way the Council may determine.* *D.1 A
-
- D.2 Existing The Congress is open only to members of the Society who have paid their subscriptions for the current year and the Congress registration fee. (No change proposed - no vote required).
-
- D.3 Existing The Congress shall be convened not less than once every four years. D.3 E
- D.3 Alternative A *The Congress shall be convened at regular intervals whenever possible, but preferably four years.* *D.3 A
- D.3 Alternative B *The Congress shall be convened every five years.* D.3 B
-
- D.4 Existing The general arrangements for the Congress shall be made by the Organising Committee of the host country. This Committee is also responsible for publishing the transactions of the Congress. D.4 E
- D.4 Alternative A *The general arrangements for the Congress shall be made by the Organising Committee* *D.4 A

of the host country. There should be some documentation, but the type of documentation available for the Congress is to be at the discretion of the host country.

D.4	Alternative B	<i>The general arrangements for the Congress shall be made by the Organising Committee of the host country. This Committee shall inform the members in a suitable way, and in time, about the content of the accepted papers, and shall be responsible for publishing the Transactions of the Congress.</i>	D.4 B <input type="checkbox"/>
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There is no D.5 in the present Rules. Council proposed the insertion of one of the following:

D.5	Alternative A	<i>The Congress will be presented with the report of the Secretary-General, with the audited accounts of the Society, with any comments on these made by the Council, and with any suggestions put forward by the Council.</i>	D.5 A <input type="checkbox"/>
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D.5	Alternative B	<i>The Congress will be presented with the report of the Secretary-General, which should be published in the last issue of the Bulletin prior to the Congress. It will also be presented with the audited accounts of the Society and with any comments and suggestions on the report and accounts put forward by the Council.</i>	D.5 B <input type="checkbox"/>
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E. THE GENERAL MEETING OF THE SOCIETY

The Council recommends the deletion of Rule E. for the following reasons:

The deletion of E.1. is a consequence of the acceptance of the alternative proposed for D.1., and the acceptance of the new D.5.

The deletion of E.2 is recommended by the Council, as it is suggested that for a matter to be debated by a general meeting it should require greater support than that of two members. Its purpose is covered by the new Rule H.2f.

The deletion of E.3. is a consequence of the acceptance of the new Rule N.

Existing

The business of the Society shall be transacted at two General Meetings to be held during each Congress. At these meetings the following business shall

be transacted:

1. the discussion and, if seen fit, the approval of the report, and of the financial report of the Secretary-General/Treasurer and any recommendation made by Council.
2. the discussion of any proposal made by at least two members of the Society provided it has been sent to the Secretary-General/Treasurer at least one month before the Congress meets.
3. voting on any proposed change of Rules

Proposed

That Rule E. be deleted, and subsequent sections be renumbered accordingly.

*E.P



F. THE OFFICERS

Three changes have been proposed to Rule F. Alternatives A. relate to the number of Vice-Presidents or Past-Presidents; Alternatives B. relate to the separation of the offices of Secretary-General and Treasurer; Alternatives C. make the Deputy Secretary-General a member of Council. The intention of the proposed alternatives A. is to provide for a better geographical spread of the officers of the Society. This can be achieved either by having three Vice-Presidents, elected at each Congress in a manner analogous to the Commissions, or alternatively, it can be done by having the three latest Past-Presidents remain as office bearers. This latter proposal has the advantage that the additional officers of the Council would be people with experience in running a Congress.

In the event of Alternative A (1) being accepted, a consequent change in the Rules will be the introduction of a Rule to specify that one of the Vice-Presidents shall be a resident in the same country as the President.

F.1	Existing	The officers shall consist of the President, Vice-President, Past-President and the Secretary-General/Treasurer.	F.1 E <input type="checkbox"/>
F.1	Alternative A (1)	<i>The officers of the Society are the President, 3 Vice-Presidents, Past-President, and Secretary-General/Treasurer.</i>	F.1 A (1)
F.1	Alternative A (2)	<i>The officers of the Society are the President, Vice-President, 3 Past-Presidents and Secretary-General/Treasurer.</i>	F.1 A (2) <input type="checkbox"/>

F.1	Alternative B (1)	<i>The officers of the Society are the President, Vice-President, Past-President, Secretary-General and Treasurer.</i>	F.1 B (1) <input type="checkbox"/>
F.1	Alternative B (2)	<i>The officers of the Society are the President, 3 Vice-Presidents, Past-President, Secretary-General and Treasurer.</i>	F.1 B (2) <input type="checkbox"/>
F.1	Alternative B (3)	<i>The officers of the Society are the President, Vice-President, 3 Past-Presidents, Secretary-General and Treasurer.</i>	F.1 B (3) <input type="checkbox"/>
F.1	Alternative C (1)	<i>The officers of the Society are the President, Vice-President, Past-President, Secretary-General/ Treasurer and Deputy Secretary-General/ Treasurer.</i>	F.1 C (1) <input type="checkbox"/>
F.1	Alternative C (2)	<i>The officers of the Society are the President, 3 Vice-Presidents, Past-President, Secretary-General/ Treasurer and Deputy Secretary-General/ Treasurer.</i>	F.1 C (2) <input type="checkbox"/>
F.1	Alternative C (3)	<i>The officers of the Society are the President, Vice-President, 3 Past-Presidents, Secretary-General/ Treasurer and Deputy Secretary-General/ Treasurer.</i>	F.1 C (3) <input type="checkbox"/>
F.1	Alternative C (4)	<i>The officers of the Society are the President, Vice-President, Past-President, Secretary-General, Treasurer and Deputy Secretary-General.</i>	F.1 C (4) <input type="checkbox"/>
F.1	Alternative C (5)	<i>The officers of the Society are the President, 3 Vice-Presidents, Past-President, Secretary-General, Treasurer and Deputy Secretary-General.</i>	F.1 C (5) <input type="checkbox"/>
F.1	Alternative C (6)	<i>The officers of the Society are the President, Vice-President, 3 Past-Presidents, Secretary-General, Treasurer and Deputy Secretary-General.</i>	F.1 C (6) <input type="checkbox"/>
<hr/>			
F. 2	Existing	The President and Vice-President shall be residents of the country in which the next Congress is to be held.	
F. 2	Alternative	<i>The President and one Vice-President shall be citizens of the country in which the next Congress will be held. (The alteration will be necessary if</i>	

F.1. Alternative A is accepted, and will then be introduced automatically) (No vote required)

F.3	Existing	The Vice-President shall succeed to the Presidency if the President should resign or die during his term of office.	F.3 E <input type="checkbox"/>
F.3	Alternative A	<i>The Vice-President shall succeed to the Presidency if the President should resign or become unable or unavailable to serve during his term of office. Should the Vice-President become unavailable, the members of the Society resident in the country hosting the next Congress will designate a new President and Vice-President.</i>	F.3 A <input type="checkbox"/>
F.3	Alternative B	<i>The Vice-President mentioned in F.2 shall succeed to the Presidency if the President should resign or become unable to serve during his term of office. Should the Vice-President become unavailable, the members of the Society resident in the country hosting the next Congress will designate a new President and Vice-President.</i>	F.3 B <input type="checkbox"/>
<i>F.3. Alternative B. will be necessary if F.1. Alternative A. is accepted.</i>			
F.4	Existing	The task of the officers is the daily management of the Society in accordance with the general instructions of the Council. (This would become F.5 if F.4a were accepted) (No vote required). A new Rule is proposed if either F.1. Alternative A. or C. is accepted.	
F.4a	Proposed	<i>The Deputy Secretary-General succeeds the Secretary-General in case he resigns or becomes unavailable to serve.</i>	F.4a P <input type="checkbox"/>
F.5	Existing	The officers shall recommend to Council the membership fees and shall determine the price of the Society's publications (except that of the Transactions of the Congresses which will normally be arranged by the Organising Committee of the host country) (This would become F.6 if F.4a. were accepted) (No vote required)	
F.6	Existing	The officers shall be responsible for the expenditure of such funds as shall be allocated by the Council for the	

running of the Society.
(This would become F.7 if F.4a.
were accepted) (No vote required).

F.7	Existing	The officers shall prepare the questions to be dealt with by the Council and shall decide on questions that have to be settled before the next Congress. (This would become F.8 if F.4a. were accepted) (No vote required)
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A new Rule is proposed.

F.8	Proposed	<i>The Secretary-General should at least once between the Congresses call a meeting of the officers of the Society for discussion of vital questions: in case difficulties should arise connected with the holding of such a meeting he should consult with the officers through correspondence.</i> (This would become F.9 if F.4a. were accepted).	F.8 P <input type="checkbox"/>
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A new Rule is proposed.

F.9	Proposed	<i>The Secretary-General should publish in the Bulletin of the I.S.S.S. over a year information about the activities of the Society and the work programme for the next year.</i> (This would become F.10. if both F.4a. and F.8. are accepted).	F.9 P <input type="checkbox"/>
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G. EXECUTIVE COMMITTEE

G.1	Existing	The Executive Committee shall consist of the officers and the Chairmen of the Commissions. (No change proposed - no vote required).
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G.2	Existing	The Executive Committee shall carry out the resolutions of the Council through the officers and shall be responsible for the continuous activities of the Society. (No change proposed - no vote required).
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G.3	Existing	The Executive Committee may settle any questions not covered by the Rules if it sees fit, and also give decisions in all doubtful cases as regards their interpretation. (No change proposed - no vote required).
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G.4	Existing	In the case of dissolution of the Society, the Executive Committee shall decide in what way the funds of the Society shall be used for the furtherance of soil science work. (No change proposed - no vote required).	
A new Rule is proposed.			
G.5	Proposed	<i>The Executive Committee shall recommend to the Council the names of members to be elected as Honorary Members.</i>	*G.5 P <input type="checkbox"/>
A new Rule is proposed.			
G.6	Proposed	<i>Fifty per cent of the members of the Executive Committee shall constitute a quorum for the transaction of business. No business will be conducted in the absence of the President of the Society unless he specifically delegates his authority to another officer for the occasion.</i>	*G.6 P <input type="checkbox"/>

H. THE COUNCIL

H.1		The Council consists of:	
H.1a	Existing	The Executive Committee. (No change proposed - no vote required).	
H.1b	Existing	One member representing each national society or of a regional group comprising soil scientists of several nations provided it has at least 20 members of the International Society.	H.1b E <input type="checkbox"/>
H.1b	Alternative	<i>One member representing each national society provided it has at least 20 members of the International Society. The name of the representative must be sent to the Secretary General by the Secretary of the National Society at least 2 months before the Congress meets.</i>	*H.1b A <input type="checkbox"/>
H.1c	Existing	Six representatives of the members who are resident in countries without one of the above national societies. They shall be elected at a special meeting of these members to be held during each Congress.	H.1c E <input type="checkbox"/>
H.1c	Alternative	<i>Not more than six representatives of the members who are resident in countries without one of the above</i>	*H.1c A <input type="checkbox"/>

national societies or where the national societies have less than 20 members of I.S.S.S., provided that there are at least 20 members of the I.S.S.S. for each representative.

H.1d	Existing	The Honorary Members of the Society. (No change proposed - no vote required).	
H.2		The functions of the Council are:	
H.2a	Existing	To appoint the President and Vice-President who shall hold office until the conclusion of the next Congress.	
H.2a	Alternative	<i>To nominate the President and Vice-Presidents who shall hold office until the conclusion of the next Congress. (This will follow automatically if F.1. Alternative A. is adopted. No vote is required).</i>	
H.2b	Existing	To appoint the Secretary-General/ Treasurer and, if necessary, to terminate his appointment.	H.2b E <input type="checkbox"/>
H.2b	Alternative A	<i>To appoint the Secretary General and, if necessary, to terminate his appointment</i>	H.2b A <input type="checkbox"/>
H.2b	Alternative B	<i>To appoint the Secretary-General and Deputy Secretary-General and, if necessary, to terminate their appointment</i>	H.2b B <input type="checkbox"/>
H.2c	Existing	To appoint, in case of need, a Deputy Secretary-General/Treasurer and, if necessary, to terminate his appointment.	H.2c E <input type="checkbox"/>
H.2c	Alternative A	<i>To appoint the Treasurer and, if necessary, to terminate his appointment.</i>	H.2c A <input type="checkbox"/>
H.2d	Existing	To select meeting places and dates for the Congress and any other meetings organised by the Society. (No change proposed - no vote required).	
H.2e	Existing	To determine the membership fee.	
H.2e	Alternative	<i>To determine the membership fee for each class of member. (This follows automatically if B.1. Alternative proposal is accepted. No vote required).</i>	
H.2f	Existing	To recommend the names of new Honorary Members to the General Meeting of the	H.2f E <input type="checkbox"/>

Society. They shall set a Standing Committee to be called "The Committee on Honorary Members" which shall consist of the President of the Society and the Chairmen of the Commissions, whose duty will be to consider proposals for Honorary Membership and to make recommendations to the Council.

(If the new Rule G.5 is accepted, this Rule is automatically deleted, and no vote required. Council wishes to point out to members that the membership of the present "Committee of Honorary Members" is the same as that of the Executive Committee except for the absence of the Vice-President, the Past-President, and the Secretary-General/Treasurer).

If the existing H.2f is deleted, a new H.2f is proposed as follows:

H.2f	Alternative	<i>To discuss proposals made by at least 2 members of the Society, or by a National Soil Science Society, provided that such proposals have been sent to the Secretary-General at least 2 months prior to the start of the Congress, and to make recommendations to the Congress. (This is to replace Rule E.2. If the existing H.2f is not deleted, this would become H.2i).</i>	*H.2f A <input type="checkbox"/>
H.2g	Existing	To recommend the admission of new Commissions or Sub-Commissions to the General Meeting of the Society.	H.2g E <input type="checkbox"/>
H.2g	Alternative	<i>To recommend the admission of new Commissions or Sub-Commissions or the termination of existing Commissions or Sub-Commissions to the General Meeting of the Society.</i>	*H.2g A <input type="checkbox"/>
H.2h	Existing	To make recommendations to the Officers for action by them on matters of policy. (No change proposed, other than editorial change of transferring "by them" from the end of the sentence).	
A new Rule is proposed.			
H.2i	Proposed	<i>To approve the report of the Secretary-General and the audited accounts of the Treasurer.</i>	*H.2i P <input type="checkbox"/>

(If the Rule for H.2j is not deleted,
this Rule would become H.2j).

A new Rule is proposed.

H.2j Proposed

Fifty per cent of the members of Council shall constitute a quorum for the transaction of business. No business will be conducted in the absence of the President of the Society unless he specifically delegates his authority to another officer for the occasion.

*H.2j P



I. THE COMMISSIONS

I.1 Existing

The scientific work of the Society shall be carried out through Commissions, which shall foster the study of particular branches of soil science. (No change proposed - no vote required).

I.2 Existing

The following Commissions shall be recognised in the first instance:

1. Soil Physics
2. Soil Chemistry
3. Soil Biology
4. Soil Fertility and Plant nutrition
5. Soil Genesis, Classification and Cartography
6. Soil Technology +
7. Soil Mineralogy.

(+ The existing text includes: "erosion control, drainage, irrigation and tillage". It is proposed as an editorial amendment to delete this phrase).

I.3 Existing

Other Commissions may be added to this list by the Congress on the recommendation of the Council. Existing Commissions may be removed from the list in the same way. (No change proposed - no vote required).

I.4 Existing

Each Commission shall be conducted by a Presidency consisting of the following Officers: Chairman, a Past-Chairman, three Vice-Chairmen and a Secretary. The Chairman and two Vice-Chairmen shall be elected at the Congress by the attending members of the Commissions, on the recommendation of the Nominating Committee. The other Vice-Chairman and the Secretary shall be appointed by

the Organising Committee of the country where the next Congress is to be held. At the beginning of each Congress the Presidency may appoint substitutes for any officers unable to attend.
(No change proposed - no vote required).

I.5	Existing	The Nominating Committee shall consist of two members from each Commission, elected by the attending members of that Commission, and a Chairman nominated by the Council. (No change proposed - no vote required).	
I.6	Existing	The Presidency of each Commission shall direct the activities of the Commission at all times. It shall also be responsible for the programme of the Commission at the Congresses. (No change proposed - no vote required).	
I.7	Existing	Commissions may, with the approval of the Council, hold special meetings between the Congresses. (No change proposed - no vote required).	
I.8	Existing	Members of the Society may recommend to the Council the setting up of Sub-Commissions dealing with specific subjects covered by one or more Commissions. (No change proposed - no vote required).	
I.9	Existing	The number of Officers in the Presidency of each Sub-Commission shall be determined by the Council. They shall be elected in the same way as the Officers of the Commissions. (No change proposed - no vote required).	
I.10	Existing	A member may, at any one time, be an Officer of only one Commission or Sub-Commission.	I.10 E <input type="checkbox"/>
I.10	Alternative	<i>A member may, at any one time, be an Officer of only one Commission or Sub-Commission. In order to ensure this, the Nominating Committee shall receive from the Commission, after discussion at a meeting of the Commission, two nominations for each of the three positions to be filled by election, and from them recommend to each Commission the members to be elected as Chairman and Vice-Chairmen.</i> (The purpose of this addition is to overcome the difficulties that at recent Congresses have occurred during elections of Commission officers).	I.10 A <input type="checkbox"/>

I.11	Existing	<p>Members interested in specific subjects may, with the permission of the Council, set up committees to advise the Presidencies of the relevant Commissions on any topics they consider should be given special attention either at the Congresses or during the intervening periods.</p> <p>The Committees may also carry on special correspondence and exchange of information within the field of the special subject. The Chairman of any such Committee shall be nominated by the President(s) of the Commission(s) involved.</p>	I.11 E <input type="checkbox"/>
I.11	Alternative	<p><i>Members interested in specific subjects may, with the permission of the Council, set up Working Groups to advise the Presidencies of the relevant Commissions on any topics they consider should be given special attention either at the Congresses or during the intervening periods.</i></p> <p><i>The Working Groups may also carry on special correspondence and exchange of information within the field of the special subject. The Chairman of any such Working Groups shall be nominated by the President(s) of the Commission(s) involved.</i></p>	*I.11 A <input type="checkbox"/>

J. THE BULLETIN

Existing	<p>The Society shall issue a Bulletin at regular intervals giving information about the activities of the Society and other matters of general interest in accordance with instructions from the Council.</p> <p>(No change proposed - no vote required).</p>
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K. VOTING

K.1	Existing	<p>Voting on proposals shall be done by a show of hands. A secret paper ballot shall be made for all contested elections, and for any other purpose that the meeting approves. In these circumstances the meetings shall appoint scrutineers.</p>	K.1 E <input type="checkbox"/>
K.1	Alternative	<p><i>Voting on proposals shall be done by a show of hands. A secret paper ballot</i></p>	*K.1 A <input type="checkbox"/>

shall be made for all contested elections, or when any member requests this. In these circumstances the voting body shall appoint scrutineers.

K.2	Existing	Decisions shall be passed by an absolute majority of votes cast. In the case of three or more mutually exclusive proposals gets an absolute majority of the votes cast on the first ballot, then the two with the highest number of votes will be put to a second ballot. This Rule will not apply to proposals concerning the Changes of the Rules of the Society or to its liquidation. (No change proposed - no vote required).
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L. FINANCE OF THE SOCIETY

L.1	Existing	The funds of the Society are: a. membership fees b. the sale of the Society's publications, including the revenue from any advertisements they may contain c. voluntary contributions. (No change proposed - no vote required).
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L.2	Existing	The account shall be closed at the end of each calendar year, forwarded to an auditor, and returned by him to the Officers within a month. At each Congress a review of the Society's finance, accompanied by the Auditor's report, shall be submitted for approval. (No change proposed - no vote required).
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M. OTHER REGULATIONS

M.1	Existing	The business of the Society may be conducted by post. (No change proposed - no vote required).
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M.2	Existing	The Executive Committee and the Council may set up Sub-Committees for carrying out specific functions, and they may co-opt other members to serve on them. (No change proposed - no vote required).
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M.3	Existing	The President and the Secretary-General of the Society may nominate one or more members to represent the Society at meetings of other Societies or	M.3 E <input type="checkbox"/>
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Conferences at which topics of interest to the Society are being discussed.

M.3 Alternative

The President and Secretary-General of the Society may jointly nominate one or more members to represent the Society at meetings of other Societies or Conferences at which topics of interest to the Society are being discussed.

*M.3 A

M.4 Existing

The elected Officers, the Executive Committee, the elected members of the Council and the Presidencies of Commissions and Sub-Commissions shall serve from the end of one Congress to the end of the following Congress. (No change proposed - no vote required).

N. CHANGE OF RULES

Existing

Proposals for changes in the Rules of the Society can be made by the Council or by at least twenty members. They must be communicated to the Secretary-General/Treasurer at least one year before the next Congress meets and be published in the Bulletin of the Society. The Secretary-General/Treasurer shall post voting papers to each member six months before the date of the General Meeting. Members may vote either by post or personally at the Meeting. A change of Rules can only be made with at least a two-thirds majority of the votes cast.

N.E

Alternative

Proposals for changes in the Rules of the Society can be made by the Council or by at least twenty members. They must be communicated to the Secretary-General at least one year before the next Congress meets and be published in the Bulletin of the Society. The Secretary-General shall post voting papers to each member six months before the date of the General Meeting. Changes to the Rules may be made only by postal ballot, and require at least a two-thirds majority of the votes cast.

*N.A *

POINTS OF VIEW POINTS DE VUE STANDPUNKTE

Under this heading it is the intention to summarize points of view of members on topics of general interest, to publish "letters to the editor", to establish a dialogue among the readers of the Bulletin. The opinions expressed are those of the authors and do not necessarily engage the ISSS.

Cette rubrique est consacrée à des points de vue des membres concernant des questions d'intérêt général, à la publication de "lettres à l'éditeur", à l'établissement d'un dialogue entre les lecteurs du Bulletin. Les opinions exprimées dans cette rubrique sont celles des auteurs et n'engagent pas nécessairement l'AISS.

Unter dieser Rubrik können Mitglieder ihre Meinungen zu Themen von allgemeinem Interesse äussern, sollen Leserbriefe veröffentlicht und ein Dialog innerhalb der Leserschaft der Mitteilungen hergestellt werden. Die veröffentlichten Beiträge drücken die Meinungen der Autoren aus und verpflichten die IBG nicht.

CONGRESSES, COMMUNICATIONS, CITATIONS

"Points of View 1976/2" on Congresses, Communications and Citations, suggest that priority of publication in Congress Proceedings should be given to general lectures by established scientists of wide experience and that there should be a reduction in the number of papers presented. I feel that the catalytic effect of the congress will be lost if the proceedings are dominated by general lectures at the expense of presentations of current research (which can usefully be contributed by younger scientists). The value to young scientists of personal contacts and exchange of ideas during the congress is no less than to their established colleagues. Unfortunately a young scientist is unlikely to receive the substantial financial sponsorship needed to attend a congress abroad unless he or she is presenting a paper. A corollary of an emphasis on general lectures and a reduction in the number of papers presented during the congress will be a reduction in the number of young scientists attending.

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PRESERVATION OF NATURAL SOILS

"Soil pattern areas" as a basis for the study of the effects of man on soils.

A worldwide movement for soil protection is now being seen to develop. One of its manifestations is the "European Soil Charta" passed a few years ago by an international team headed by Prof. A. Noirfalise (Belgium). This important document is concerned in the first place with the problem of loss of soil area to housing and industrial purposes; it also calls attention to the necessity of protecting soils against factors which may have an adverse effect on crops. The European Soil Charta, however, does not mention the need to protect natural soils as a nature monument and to save for future research some irreversibly disappearing elements of the natural landscapes of our soil-climatic zones.

Yet the preservation of the remains of the natural soil cover has now become a task of most urgent importance, in view of the fact that the forests which until recently saved (to some extent at least) part of the soil characteristics of our soil-

climatic zone are now subject to highly intensive management methods: the increasingly common mineral fertilization of forest soils, the use of biocides, deep ploughing, drainage, etc. All these methods of treatment, though mostly economically justified, to a very high extent and often irreversibly, change the natural (or near to natural) soil relations over vast areas. This alarming situation is yet enhanced by the detrimental and still growing effect of industry and mass tourism. As a result, the remaining natural soils, which took thousands of years to evolve, are now irretrievably disappearing under our eyes. Their survival cannot be safeguarded by the existing network of national parks and reserves, since these have been instituted for the protection of botanical, faunistic, less frequently geological, objects deemed worth preserving, but generally without consideration of soil conditions.

The setting up of soil reserves was started in Poland only in 1972, but the development of a network of these areas is being delayed by all sorts of bureaucratic obstacles.

It must be borne in mind, however, that the preservation in a more or less natural state of a full set of soil structures characteristic of our zone must not be considered solely in terms of nature conservation. The problem is also of primary importance for forest management, which needs a permanent control basis making possible biological and economic estimates of the expediency and effectiveness of modern methods used in intensive forest production.

For that reason the Supreme Board of State Forests, on the suggestion of the Polish Society of Soil Science, decided to set up in the state forests a network of so-called "soil pattern areas" (SPA) and assigned for that purpose about 0.5% of the total forest area in this country (i.e. ca 42 500 ha).

The relevant decree was signed on May 31, 1975. It contains a number of instructions of great importance for soil conservation, e.g. that the soil pattern areas should consist of continuous forest stretches, each at least 300 ha in area, representing soils typical of the given region and showing the least possible change due to the interference of man. Each SPA should be near square in shape to give it a favourable ratio of area to border length. In selecting SPA, long-range plans for the development of industry, housing estates, tourist facilities, etc. were taken into account. Locations which did not guarantee a full attainment of the chief task of soil pattern areas, viz. permanent protection of soils against the effect of anthropopressure, were precluded.

The special character of the aims set to the soil pattern areas permits planned forest management, though with certain limitations. The Ministry of Forestry has prepared relevant regulations defining in detail the management methods to be used in the soil pattern areas.

The present note is intended to present the experience acquired so far in setting up soil pattern areas in Poland. We believe that a similar action should be undertaken on an international scale — at least in those countries where it is still not too late for such an enterprise. The dramatically growing pressure of man on the environment has already resulted in a situation where any delay in the realization of the task in question may in the years to come make it quite impossible to find in certain regions any terrains still fit for soil pattern areas.

The author suggests that the International Society of Soil Science should promote the idea of SPA and undertake the coordination of setting up such areas on an international scale.

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**NEWS FROM NATIONAL SOCIETIES
NOUVELLES DES ASSOCIATIONS NATIONALES
BERICHTE DER NATIONALEN GESELLSCHAFTEN**

Nigeria

The Soil Science Society of Nigeria was founded in 1967. As a result of events, the Society suffered set-backs in its early years but is now reassuming full activity with enlarged membership and growing awareness in Nigeria of the importance of soil studies for the country's development. The 1976 annual general meeting of the Society elected the following board members:

President:	Dr. S.A. Adetunji
Vice-President:	Dr. I. Unamba-Oparah
Treasurer:	Dr. A.A. Agboola
Honorary Secretary:	Dr. W.G. Enwezor
Address:	Dr. W.O. Enwezor, Department of Soil Science, University of Nigeria, Nsukka, Nigeria.

New Zealand

At its general conference in 1976, the New Zealand Society of Soil Science elected the following board:

President:	Dr. M.L. Leamy
Vice-President:	Dr. W.M.H. Saunders
Past President:	Mr. T.E. Ludecke
Secretary:	Dr. R. Lee
Treasurer:	Dr. R.J. Furkert
Address:	c/o Soil Bureau, Private Bag, Lower Hutt, New Zealand.

1976 Prescott Medal

The Australian Society of Soil Science awarded the 1976 Prescott Medal to Dr. R.G. Downes, Director of Conservation in the Ministry of Conservation of Victoria.

Its 1976 general conference elected the Federal Council which is composed as follows:

President:	Dr. A.N. Smith
Secretary:	Mr. G.D. Batten
Vice-President:	Mr. P.E.V. Charman
Treasurer:	Dr. P.R. Cary
Editor Soils News:	Mr. I.D. Kelly
Address:	c/o Agricultural Research Institute, Wagga Wagga, N.S.W. 2650, Australia

Southern Africa

The Soil Science Society of Southern Africa held its biennial general meeting from 10-14 January 1977. On this occasion, the following new office bearers were elected:

President:	Dr. M.C.F. du Plessis
Vice-President:	Dr. R.F. Loxton
Secretary-Treasurer:	Dr. E. Verster
Address:	Dr. E. Verster, Posbus 1821, Pretoria 0001, Southern Africa.

Soil Science Society of East Africa

The second annual general meeting of the Soil Science Society of East Africa was held at Arusha, Tanzania, from 6-8 September 1976. This young Society, which counts 49 members, elected the following office bearers:

Chairman:	Dr. A.P. Uriyo, Dar es Salam University, Morogoro.
Vice Chairman:	Dr. W.W. Wapakala, N.A. Labs., Nairobi.
Secretary:	Dr. A.O. Moshi, E.A.A.F.R.O. (Muguga), Nairobi.
Treasurer:	Dr. J.Y. Kitungulu-Zake, Makerere University, Kampala.
Address:	Dr. A.O. Moshi, c/o E.A.A.F.R.O., P.O. Box 30148, Nairobi, Kenya

Sri Lanka

At its 7th annual general meeting, the Soil Science Society of Sri Lanka elected the following office bearers for the period 1976/77:

President:	Dr. C.R. Panabokke
Vice President:	Dr. K.A. de Alwis
Secretary:	Dr. C.S. Weeraratne
Treasurer:	Mr. L.G. Yapa
Editor:	Dr. M.W. Thenabadu
Address:	Dr. C.S. Weeraratne, Dept. of Agric. Chemistry, Fac. of Agriculture, Peradeniya Campus, Peradeniya, Sri Lanka.



**Professor Dr. phil. Dr. rer. techn.
Eduard Mückenhausen 70 Jahre alt**

Am. 17. Februar 1977 feierte Eduard Mückenhausen seinen 70. Geburtstag. Wenige Tage später, am 25. Februar 1977, ehrten ihn Freunde und Schüler in einem Festkolloquium in dem von ihm aufgebauten Institut für Bodenkunde an der Universität Bonn, das er von 1955 bis zu seiner Emeritierung im Jahre 1975 leitete.

Mückenhausens Verdienste sind umfangreich. Zu erwähnen sind u.a. seine bodenkundliche Aufbauarbeit von 1946 bis 1956 im Geologischen Landesamt Nordrhein-Westfalen, Krefeld, die richtungsweisend für die auf

wissenschaftlicher Basis konzipierte bodenkundliche Landesaufnahme in Deutschland wurde.

Seine grössten Verdienste liegen neben der Lehre auf wissenschaftlichem Gebiet. Davon zeugen mehr als 100 Schriften, die Mitwirkung an acht Handbüchern und vier

eigene Bücher. Dieses Schrifttum ist vielzitierte Standardliteratur seines Wissenschaftszweiges.

Mückenhausen hat 35 Doktoranden promoviert, die seine Ideen vertiefen halfen und eine anerkannte Schule darstellen. Drei seiner Schüler haben Ordinariate für Bodenkunde inne.

Schwerpunkt seiner wissenschaftlichen Tätigkeit ist die auf genetischer Grundlage basierende Bodensystematik. Bereits 1952 legte Mückenhausen seinen ersten Entwurf einer Bodensystematik für Mitteleuropa der Deutschen Bodenkundlichen Gesellschaft vor. Diese Gesellschaft begründete noch im gleichen Jahr einen "Arbeitskreis für Bodensystematik", dessen Federführender Mückenhausen wurde und heute noch ist. Mückenhausen war auch viele Jahre Vizepräsident und Präsident dieser Gesellschaft.

In der Erkenntnis, dass ein Systematisieren der Böden umfangreiche überregionale Kenntnisse erfordert, dehnte Mückenhausen sein Betätigungsfeld weltweit aus. Aus dieser Arbeit entstanden u.a. die Bücher "Die wichtigsten Böden der Bundesrepublik Deutschland" (1. Aufl. Bad Godesberg, 1957, 2. Aufl. Frankfurt/Main, 1959) und die ergänzte Neuaufgabe "Entstehung, Eigenschaften und Systematik der Böden der Bundesrepublik Deutschland" (1. Aufl. 1962, 2. Aufl. 1977, Frankfurt/Main), die heute selbstverständliche Grundlagen in Lehre und Forschung an allen deutschen Hochschulen sind.

Aber auch international sind seine Arbeiten anerkannt und brachten ihm zahlreiche Ämter, z.B. Mitwirkung an der Bodenkarte von Europa bei der FAO und zwei Vizepräsidentenschaften in der Internationalen Bodenkundlichen Gesellschaft bei den Kommissionen V (1954/56) und VII (1964/66) sowie viele andere Ehrungen ein. Zahlreiche junge Wissenschaftler aus vielen Ländern der Welt kamen an sein Institut, um hier spezielle bodenkundliche Studien zu betreiben oder zu promovieren.

In den letzten sechs Jahren hat er einen umfassenden Überblick über die gesamte Bodenkunde in seinem Buch "Die Bodenkunde und ihre geologischen, geomorphologischen und petrologischen Grundlagen" (Frankfurt/Main, 1975) gegeben.

Die Internationale Bodenkundliche Gesellschaft gratuliert ihrem langjährigen Mitglied recht herzlich und wünscht ihm weiterhin Gesundheit und Erfolg.

Zakosek, Bonn

Israel

The new Council of the Israel Society of Soil Science, which will serve until the end of 1978, is composed as follows:

Chairman:	Dr. Dan H. Yaalon
Council members:	Dr. Amos Feigin (Secretary)
	Dr. Arie Singer (Treasurer)
	Dr. Eshel Bressler (Member)
	Dr. Benjamin Zur (Member)
Address:	Dr. Amos Feigin, Volcani Center, Agric. Res. Org., P.O. Box 6, Beit Dagan, Israel

Map of the Types of Chemism of Salinity of the USSR Soils

USSR soil scientists have just completed the preparation of the Map of the Types of Chemism of Salinity of the USSR Soils at a scale of 1:2 500 000. This map was presented to the Expert Consultation on Methodology for Assessing Soil Degradation which took place at FAO in Rome from 18-20 January 1977. Prof. Dr. Valentin V. Egorov, Director of Dockuchaev's Soil Institute, and Dr. Nina Minashina, Chief of the Laboratory of Genesis and Improvement of Irrigated Soils, Dockuchaev's Soil Institute, were the USSR participants in this Consultation.



The photograph shows the presentation of the map to FAO staff. From left to right are: Prof. Dr. V.V. Egorov, Dr. F.W. Hauck (Chief, Soil Resources Development and Conservation Service, FAO), Dr. N. Minashina, Dr. A.J. Pccrot (Senior Officer, Soil Resources Development and Conservation Service, FAO), and Dr. S.A. Krastanov (Technical Officer, Soil Resources Development and Conservation Service, FAO).

United Kingdom

At its 1976 conference, the British Society of Soil Science elected the following board:

President:	Dr. G.W. Cooke, FRS
Vice presidents:	Professor P.W. Arnold Professor D.J. Greenland
Hon. Secretary:	Dr. D.V. Crawford
Hon. Treasurer:	Dr. J.S.V. McAllister
Hon. Editor:	Dr. A. Wild
Hon. Asst. Editor:	Dr. D.L. Rowell
Address:	Dr. D.V. Crawford, University of Nottingham, School of Agriculture, Sutton Bonington, Loughborough LE12 5RD, England.

40th Anniversary of the Polish Society of Soil Science

The Polish Society of Soil Science will celebrate its 40th Anniversary at a Jubilee meeting which will be held in Poznań from 14-17 September 1977. The theme of the session will be "To increased yields through knowledge of soils". The programme includes a series of lectures on the soil forming factors in the Great-Poland Lowland, the role of mineral fertilizers in determining soil productivity, the economical aspects of agriculture in this region and the problems of data processing of soil and environmental characteristics. From 15-17 September, an excursion will be organized in the Great-Poland Lowland including the study of different soils and their management.

Address: Prof. Dr. L. Królikowski,
President of the PSSS,
02-520 Warszawa,
ul. Wiśniowa 61, Poland.

Organizing Committee of the Jubilee: Dr. W. Dzieciolowski, 02-520 Warszawa,
ul. Wiśniowa 61, Poland.

1976 Annual Meeting of the Soil Science Society of America

Based on the theme "Agronomists and Food: Contributions and Challenges", the joint annual meetings of the American Society of Agronomy, Crop Science Society of America and Soil Science Society of America were held in Houston, Texas, from 28 November through 3 December 1976. The meetings were attended by more than 3,300 members and guests. They had the opportunity to select from more than 1,125 papers presented in technical sessions and symposia. On the occasion of the Bicentenary of the United States of America, the different divisions of the Soil Science Society of America presented historical highlights on the development of different branches of soil science in the USA since 1776.

Highlighting the week's activities was the SSSA luncheon, on which occasion awards were presented and SSSA fellows introduced. This is the first year that the SSSA has elected fellows. Dr. Max M. Mortland of Michigan State University received the Soil Science Award for his research on the surface chemistry of clays. Dr. Frank B. Dazzo, Research Associate with the Center for Studies of Nitrogen Fixation at the University of Wisconsin, was named winner of the 1976 Emil F. Troup Award in Soil Science for his work at the University of Florida on the biochemical determinants of the unique host specificity in the Rhizobium-clover nitrogen-fixing symbiosis. Honorary Membership was bestowed upon Dr. William H. Pierre, Emeritus Professor at Iowa State University. During the luncheon, ISSS President C.F. Bentley addressed the SSSA membership extending a cordial invitation to participate in the 11th ISSS Congress in Canada in 1978. ISSS Secretary General R. Dudal conveyed to the gathering the best wishes from soil scientists all over the world on the occasion of the 40th Anniversary of the SSSA and expressed appreciation for the contribution of American soil scientists to soil science and its application.



At the annual banquet, Prof. C.F. Bentley was nominated Fellow of the American Society of Agronomy with the following citations:

"Research on soil fertility particularly related to effects on nutritive values of grains and forages. Active as teacher, student adviser, and dean and in overseas development assistance. Numerous offices in governmental and professional committees and organizations at provincial and national levels. Currently ISSS President and on ASA Necrology Committee." The photograph shows Prof. Bentley (on the left) being congratulated by Dr. F.L. Patterson, President of the ASA.

At the conclusion of the meetings, Dr. Charles B. Davey passed the presidential gavel of the SSSA to Victor J. Kilmer of the Tennessee Valley Authority. Dr. Parker F. Pratt of the University of California-Riverside was introduced as the new Vice President.

Address: 677 South Segoe Road, Madison, Wisconsin 53711, USA.

Belgique

La Société Belge de Pédologie – Belgische Bodemkundige Vereniging – a élu les membres suivants au Conseil pour l'année 1977:

Président: J. d'Hoore
Vice-présidents: M. van Ruymbeke
R. Frankart
Secrétaire général: C. Sys
Secrétaire-trésorier: A. Louis

Une journée à thème, ayant comme titre "Erosion en milieu agricole" aura lieu à Gembloux le 28 octobre 1977 sous la direction du Prof. Hanotiaux.

Le Prof. A. Cottenie a présenté sa candidature comme organisateur de la journée à thème pour 1978 (*Eléments mineurs et pollution dans le sol*).

Adresse: Rozier, 44, 9000 Gent, Belgique.

Reconstitution of the Soil Science Society of Ireland

In 1969 the Soil Science Society of Ireland was incorporated into the Irish *Society of Agronomy and Land Use*. This Society was founded the same year to promote interest and knowledge of crop production and land use in Ireland. On entry of Ireland to the European Economic Community, the Society was meant as a forum for discussing marketing regulations and changes which affected Ireland's agricultural sector. In October 1976, an Ad Hoc Committee was set up to reconstitute the Soil Science Society of Ireland. The Chairman of the Committee is Dr. M.J. Gardiner, Head of National Soil Survey, Agricultural Institute of Ireland, while Dr. J. Collins of University College, Dublin, is its Secretary. The Committee met for the first time on 10 March 1977 on the occasion of a Symposium on Soil Classification and Land Evaluation which was hosted by University College, Dublin.

Correspondence with the Ad Hoc Committee can be addressed to its Chairman, Dr. M.J. Gardiner, c/o The Agricultural Institute, Kinsealy Research Centre, Malahide Road, Dublin 5, Ireland.

Suisse

Lors de son assemblée du 4 mars 1977, la Société Suisse de Pédologie a renouvelé son comité, qui pour les deux prochaines années se compose comme suit:

Président: Prof. Dr. Hans Sticher
Vice-Président: Dr. Michel Pochon
Assesseur: Prof. Dr. Erwin Frei
Secrétaire: Dr. Luc-François Bonnard
Secrétaire-Caissier: M. Alfred Kaufmann
Adresse: Dr. L.F. Bonnard, Eidg. Forschungsanstalt für landw.
Pflanzenbau, 8046 Zürich-Reckenholz.

IN MEMORIAM

Dr. Pedro H. Etchevehere

On June 14, 1976, Dr. Pedro H. Etchevehere died in Buenos Aires at the age of 49, in front of his house, as a result of an assault on his life.

Soon after finishing his university training in geology, Etchevehere started his career in soil science in the former Instituto de Suelos y Agrotécnica in Buenos Aires. At an early stage he recognized the importance of international cooperation in soil science and, in particular, new developments in the U.S.A. and elsewhere, which finally led to the comprehensive Soil Taxonomy, had his full attention. In 1961, he translated the "7th Approximation" into Spanish and this publication, soon out of print, was used subsequently in many Latin American countries as a guide to new developments. A dynamic worker, as he was, he took active part in soil mapping and classification operations which owed him a reputation in all Latin America. In 1975 he was appointed as Director of the Soils Department of the Centro Nacional de Investigaciones Agropecuarias in Castelar, in charge of regional and national soil survey and land classification activities in Argentina.

The services of this dedicated and thorough worker will be very much missed and we will remember him with gratitude. We share the deep sorrow of his wife and two children.

P.L. Arens, Rome

John T. Maletic

John T. Maletic, who spent his entire 31-years career with the Bureau of Reclamation at Denver, U.S.A., but was known throughout the Bureau and the world for his expertise in water quality matters, died April 1, 1976, after suffering a heart attack on March 15.

Maletic, born 1919, had been Chief of the Water Quality Office at the Engineering and Research Center since October 1973. He began his career with Reclamation in 1945 as a soil technologist, Division of Project Investigations, Lower Missouri Region (formerly Region 7) in Denver. In 1953, Maletic was named head of the settlement and development section in that same division.

In 1961, Maletic transferred to the Office of the Chief Engineer (now the Office of Design and Construction, Engineering and Research Center) as Chief, Land Resources Branch. He remained in that position until October 1973 when he became Chief, Water Quality Office at the E&R Center.

Maletic also shared his technical expertise with other countries in connection with the Bureau's overseas program. In that capacity, he visited Afghanistan, Brazil, Malawi, Nigeria and Turkey. He was team leader on the Irrigation and Water Quality Team of the Planning, Utilization, and Management of Water Resources Project under the U.S.-U.S.S.R. Joint Commission on Scientific and Technical Cooperation.

A 1941 graduate of Penn State University, Maletic received two of Interior's highest honors during his distinguished Reclamation career, earning both the Meritorious Service and Distinguished Service Awards. He also was given one Superior Performance and two Outstanding Performance awards while with Reclamation.

U.S. Bureau of Reclamation

AN EMBLEM FOR THE ISSS

The proposals for an ISSS emblem, published in Bulletin No. 50 (December 1976), were submitted to the members of the ISSS Council for advice. A total of 40 replies were received with indications of preference. The three symbols reproduced below, in order of priority, received the highest number of preference, however none of them obtained an absolute majority. Suggestions were received for adapting and for stylizing these submissions, while a number of replies also indicated that none of the symbols proposed was considered suitable. It is now suggested that some further work be carried out and that a concrete proposal be made by the Secretariat to the Council for decision at its Edmonton session.



UN EMBLEME POUR L'AISS

Les projets d'emblème AISS, publiés dans le Bulletin N. 50 (décembre 1976), furent soumis aux membres du Conseil pour avis. Quarante réponses furent reçues avec indication des préférences. Les trois symboles, reproduits ci-dessus en ordre de priorité, ont obtenu le plus grand nombre de votes toutefois aucun de ces projets n'a bénéficié d'une majorité absolue. Il a été suggéré que certains symboles soient plus "stylisés" alors que d'autres furent d'avis qu'aucun des projets ne semblait convenir. Le Secrétariat poursuivra la question et soumettra un projet concret au Conseil à Edmonton pour décision.

EIN EMBLEM FÜR DIE IBG

Die in den Mitteilungen Nr. 50 (Dezember 1976) veröffentlichten Vorschläge für ein IBG-Emblem wurden den Mitgliedern des Beirats zur Begutachtung vorgelegt. Insgesamt gingen 40 Zuschriften mit Angaben von Präferenzen ein. Die oben abgebildeten Symbole, in der Reihenfolge ihrer Priorität, erhielten die meisten Stimmen, jedoch keins erreichte die absolute Mehrheit. Vorschläge wurden gemacht, die eingereichten Symbole abzuändern und zu stilisieren; andere Zuschriften betrachteten keines der vorgeschlagenen Symbole als geeignet. Es ist daher beabsichtigt, weiter daran zu arbeiten, so dass das Sekretariat dem Beirat auf dessen Sitzung in Edmonton einen konkreten Vorschlag zur Entscheidung vorlegen kann.

**ACTIVITIES OF THE ISSS COMMISSIONS
ACTIVITES DES COMMISSIONS AISS
TÄTIGKEIT DER IBG KOMMISSIONEN**

**International Symposium "Soil Organic Matter Studies"
Braunschweig (Fed. Rep. Germany), 6-10 September 1976**

An International Symposium on "Soil Organic Matter Studies" was held on 6-10 September 1976 in Braunschweig. The symposium was jointly sponsored by the IAEA/FAO, Agrochimica and the Commission I of the ISSS.

Soil organic matter is an important factor for the soil in order to maintain its productivity and its fertility. Yearly residues of the production of plants and animals such as straw and stable manure and in some cases also organic parts of municipal wastes are added to the soil. It may be remembered that the cycle of nitrogen is closely connected with the organic substances in soil. Special attention to this problem was paid because production costs of mineral nitrogen fertilizers account for about 50% for energy and from the total energy input in agriculture about 20 to 30% are needed for nitrogen fertilization.

A number of lectures were devoted to the causal connection between the processes of organic materials in soils and their effect on plant production. Other lectures reported about the effect of components of soil organic matter on the metabolism of plants, and the possible detoxification of agrochemicals by interactions with soil organic matter in relation to the use of sludge in agriculture. An excursion was made in the peat region near Braunschweig and a visit was paid to the Federal Agricultural Research Centre.

The main subjects of the lectures on 9 half day sessions were: Organic Matter and Soil Productivity; Turnover of Plant Residues; Mineralization of Organic Compounds; Nitrogen Economy; Biodegradation and Biochemical Transformations of Soil Organic Matter; Contributions to Formation of Humic Substances; Special Compounds in Soil; Modern Techniques and Their Impact on Soil Organic Matter Research and on Characterization of Its Fractions; Soil Organic Matter Components and Plant Metabolism; Interaction Between Agrochemicals and Organic Matter; Sludge; Peat.

200 persons, including 50 observers, participated in the Symposium from about 40 nations.

The meeting felt that it is useful to arrange combined meetings on future occasions.

W. Flaig, Braunschweig

**Symposium "Water in Heavy Soils"
Bratislava, Czechoslovakia. 8-10 September 1976**

This successful meeting was sponsored jointly by the ISSS, in particular Commission I: Soil Physics, and the International Committee on Irrigation and Drainage. The number of participants was 96 from 17 countries. The Proceedings were made available before the start of the meeting. They consist of 2 volumes with 46 papers (251 and 176 pages) available at Institute of Hydrology and Hydraulics, Library, Februarového víťazstva 75, Bratislava, against payment of US\$ 25.- to Obchodnu Banku Praha, acc. No. 615 30-02-37. The third volume was to be issued in December 1976.

At the symposium, the following topics were discussed: 1. Solid liquid interface phenomena; 2. Flow of water in swelling soils; 3. Reclamation of heavy soils.

The success of the symposium was mainly due to the fact that the solution to the problem of the reclamation of heavy soils depends upon the joint effort between the soil physicist and drainage engineers. The exchange of views between ISSS and ICID specialists has had a stimulating effect upon the further development of both the theory of water in heavy soils and the theory of reclamation of heavy soils.

M. de Boodt, Ghent

**TRAINING COURSES
COURS DE FORMATION
FORTBILDUNGSKURSE**

VI Curso Internacional de Fertilidad de Suelos y Nutrición Vegetal
1 de marzo - 31 de julio de 1977.

Programa del Curso: El programa del Curso comprenderá clases teóricas y clases prácticas, con la realización de viajes de estudio. El Curso tratará los siguientes temas: 1. La fertilidad del suelo; 2. La nutrición de las plantas; 3. Relación suelo-planta; 4. Técnicas de cultivo; 5. Producción y uso de fertilizantes; 6. Cultivos específicos.

Información: Secretaría del Curso Internacional de Fertilidad de Suelos y Nutrición Vegetal, Instituto de Edafología y Biología Vegetal del CSIC, Serrano, 115 bis, Madrid-6, España.

Postgraduate Course in Soil Science, University of Reading, Dep. of Soil Science, U.K.

1. M.Sc. Course in Soil Chemistry

Programme: A one-year course intended primarily for graduates in science or applied science, covering the chemistry of soil constituents, soil processes and plant nutrition, and including extensive practical and field work in soil sampling and analysis and in various aspects of soil fertility.

2. M.Sc. Course in Pedology and Soil Survey

Programme: A one-year course intended primarily for graduates in physical geography, based on the principles of pedology, with special emphasis on soil genesis, and the conduct of soil surveys, and includes case studies in the fields of land resources surveys and planning.

3. M.Sc. Course in Soil Science

Programme: A two-year course intended primarily for graduates in Agricultural Science who have not previously specialised in soil science, and covering pedology, soil chemistry and physics, soil biology and the principles of crop production and soil management:

Information on all three courses can be obtained from: The Secretary, Department of Soil Science, University of Reading, London Road, Reading, Berkshire RG1 5AQ, U.K.

Rural Survey

Covering Land Use and Agriculture, Rangelands and (Semi) Natural Vegetation and Aspects of Human Geography, using Aerial Photography and other Remote Sensing Techniques. International Institute for Aerial Survey and Earth Sciences (ITC), Enschede, The Netherlands.

The course starts in the first week of September and lasts 11 months.

Information: ITC, P.O. Box 6, Enschede, The Netherlands.

Soil Fertility and Management Course, Washington D.C. June 4-August 24, 1977

The programme includes: soil testing, laboratory analysis, use of fertilizers, symptoms of nutrient deficiencies, manufacturing and distribution of fertilizers.

Information: United States Department of Agriculture, Economic Research Service, Washington D.C. 20250, U.S.A.

**ISSS DIARY
CALENDRIER AISS
IBG KALENDER**

All ventures listed in this diary are open only to ISSS members and to guests invited by the Organizing Committees. It will be advantageous to settle 1977 and 1978 membership contributions in good time and whenever possible through the national soil science societies.

La participation à toutes les manifestations mentionnées ci-dessous est réservée aux membres de l'AISS et aux invités des Comités d'organisation.

Il y a donc avantage à régler tempestivement les souscriptions 1977 et 1978, si possible par l'intermédiaire de l'association nationale.

Die Teilnahme an allen unten erwähnten Veranstaltungen ist auf IBG-Mitglieder und auf geladene Gäste der Organisationskomitees beschränkt. Es ist daher empfehlenswert, Beitragszahlungen für 1977 und 1978 rechtzeitig und möglichst durch Ihre nationale Gesellschaft vorzunehmen.

1977

15-21 August 1977

Classification and Management of Tropical Soils (Commissions IV and V, ISSS), Kuala Lumpur, Malaysia.

This joint inter-congress meeting of Commissions IV and V will be hosted by the Malaysian Society of Soil Science and the Ministry of Agriculture of Malaysia.

The Conference will be preceded, for those interested, by a pre-conference tour in Peninsular Malaysia from 8-14 August 1977. A post-conference tour will be organized in Sabah and Sarawak from 22-28 August 1977. On 29 August Malaysia will celebrate the 20th anniversary of its independence.

Information and registration: Malaysian Society of Soil Science, c/o Soils and Crop Management Division, Rubber Research Institute of Malaysia, Jalan Ampang, P.O. Box 150, Kuala Lumpur, Malaysia.

29 August - 9 September 1977

Seminar on the Application of Remote Sensing (Commission V, ISSS), Rome, Italy.

This seminar will be organized by the ISSS Working Group on the Application of Remote Sensing (Commission V) in cooperation with FAO.

Main topics of the seminar are concerned with remote sensing methods and techniques applied to:

- A. General properties and components of the soil
- B. Hydromorphic and saline soils
- C. State of soil surface - erosion
- D. Landform and soil distribution
- E. Soil survey
- F. Interpretation of satellite imagery.

In addition, a two-day introductory course on remote sensing applications will be given for those who have a limited experience in this field. This will be held on 29 and 30 August, immediately before the main meeting. Participants should clearly indicate if they wish to attend this introductory course.

Languages: English and French (no simultaneous interpretation).

The registration fee is \$60.

Information: Mr. M.C. Girard, Laboratoire de Télédétection INA/P.G., 78850 Thiverval, Grignon, France.

29 Août - 9 Septembre 1977

Colloque sur les applications de la Télédétection (Commission V, AISS), Rome, Italie.

Ce colloque sera organisé par le Groupe de travail de l'application de la télédétection (Commission V) en collaboration avec la FAO.

Les thèmes principaux du colloque concernent l'application des méthodes et techniques de télédétection à:

- A. Caractères généraux et constituants du sol
- B. Sols hydromorphes et salins
- C. Etat de la surface du sol - érosion
- D. Type de paysage et distribution des sols
- E. Cartographie des sols
- F. Interprétation d'images de satellites.

Ceux qui désirent parfaire leurs connaissances de la télédétection auront la possibilité de suivre un cours introductif qui sera organisé pendant les deux jours qui précéderont le colloque, c'est-à-dire les 29 et 30 août 1977. Les participants au colloque sont priés d'indiquer clairement s'ils ont l'intention de prendre part à ce cours introductif.

Langues: anglais et français (sans interprétation simultanée).

Le montant du droit d'inscription est 60\$E.U.

Informations: M. M.C. Girard, Laboratoire de Télédétection INA/P.G. 78850 Thiverval, Grignon, France.

4-11 September 1977

Symposium on "Soil as a Site Index for Forests of Temperate and Cool Zones", Zvolen, Czechoslovakia.

This session is being organized by the Working Group on Forest Soils, Commission V of the ISSS. It will deal with current problems of forest soil science and enhance contact among specialists in the field. The sessions will be held from 4-6 September 1977; excursions will be organized from 7-11 September 1977.

Information and registration: Prof. Dr. R. Sály, Faculty of Forest Sciences, Stúrova 4, 96053 Zvolen, CSSR.

10-17 October 1977

International Seminar on Soil Environment and Fertility Management in Intensive Agriculture (Commission IV, ISSS), Tokyo, Japan.

This Seminar will be organized by the Society of the Science of Soil and Manure, Japan.

Topics for the Seminar are: Management of soil fertility for maximizing crop yield; Effects of intensive farming on soil and water environment; Soil environment as a basis for intensive agriculture; Disposal and utilization of agricultural waste.

The language of the Seminar will be English.

Information and registration: Prof. K. Kawaguchi, Chairman, Organizing Committee of SEFMIA, Faculty of Agriculture, Kyoto University, Kyoto, Japan.

1978

19-27 June/Juin/Juni 1978 - Edmonton, Canada

11th Congress of the International Society of Soil Science

11ème Congrès de l'Association Internationale de la Science du Sol

11. Kongress der Internationalen Bodenkundlichen Gesellschaft.

Organized by the Canadian Soil Science Society (see details in this Bulletin).

Information: 11th ISSS Congress, Box 78, Sub 11, University of Alberta, Edmonton, Canada T6G 2E0.

**MEETINGS, CONFERENCES, SYMPOSIA
REUNIONS, CONFERENCES, SYMPOSIUMS
TAGUNGEN, KONFERENZEN, SYMPOSIEN**

1977

5th National Congress of the All-Union Society of Soviet Soil Scientists, Minsk, July 1977.

Information: Prof. V. Kovda, Dept. of Soil Science, Moscow State University, Moscow B-234, U.S.S.R.

XVI Congresso Brasileiro de Ciencia do Solo, Sao Luis, MA., 11-16 July 1977.

Information: Secretaria Executiva, S.B.C.S., Inst. Agr., C.P. 28, Campinas, SP. - CEP 13.1000, Brazil.

Third Inter-congress of the Pacific Science Association, Bali, Indonesia, 18-22 July 1977.

Theme: Appropriate technology for development.

Information: Pacific Science Association, P.O. Box 6037, Honolulu, Hawaii, 96819, U.S.A.

Classification and Management of Tropical Soils (Commissions IV and V, ISSS), Kuala Lumpur, Malaysia, 8-19 August 1977 (see also ISSS Diary).

Information: Malaysian Society of Soil Science, c/o Soils and Crop Management Division, Rubber Research Inst. of Malaysia, Jalan Ampang, P.O. Box 150, Kuala Lumpur, Malaysia.

10th Congress of INQUA, Union Internationale pour l'Etude de Quaternaire, Symposium on Antarctic Glacial History and World Paleoenvironment, Birmingham, U.K., 16-24 August 1977.

Information: Secretary General, INQUA, c/o Dept. Geology, Keele University, Keele St. 55 BG, U.K.

International Symposium on Microbial Ecology, Dunedin, New Zealand, 22-26 August 1977.

Information: Mr. J.C. Senez, 31, Aiguier, 13274 Marseille, Cédex 2, France.

Seminar on the Application of Remote Sensing to Soil Investigations, Rome, Italy, 29 August - 9 September 1977 (see also ISSS Diary).

Information: Mr. M.C. Girard, Laboratoire de Télédétection INA/P-G, 78850 Thiverval-Grignon, France.

United Nations Conference on Desertification, Nairobi, Kenya, 29 August - 9 September 1977. Assessment of all available data and information on desertification and its consequences on the development process, preparation of a world map of areas affected or likely to be affected by the process of desertification, action plan to combat desertification.

Information: U.N. Conf. on Desertification, UNEP, P.O. Box 30552, Nairobi, Kenya.

Symposium on "Soil as a Site Index for Forests of Temperate and Cool Zones" (Commission V, ISSS), Zvolen, Czechoslovakia, 4-11 September 1977 (see also ISSS Diary).

Information: Prof. Dr. R. Sály, Faculty of Forest Sciences, Stúrova, 96053 Zvolen, CSSR.

Jahrestagung der Deutschen Bodenkundlichen Gesellschaft, Bremen, 5-11 Sep. 1977.

Auskunft: DBG, Von Dieboldstr. 4, D-3400 Göttingen, Deutsche Bundesrepublik.

Jubilee Meeting of the Polish Society of Soil Science, Poznan, 14-17 Sept. 1977.
Theme: "Increased Yields through Knowledge of Soils".
Information: Dr. W. Dzieciolowski, 02-520 Warsaw, ul. Wisniowa 61, Poland.

2nd National Conference of the Bulgarian Society of Soil Science, Sofia, 19-21 September, 1977 followed by excursion from 22 to 24 September.
Theme: Improvement, conservation and land use of grey and cinnamonic soils.
Information: Bulgarian Society of Soil Science, 5 Shosse Bankya, Sofia 24.

International Symposium on "Soils and Rice", International Rice Research Institute, Los Baños, Laguna, Philippines, 20-23 September 1977.
Information: Dr. F.N. Ponnampereuma, IRRI, P.O. Box 933, Manila, Philippines.

International Seminar on Soil Environment and Fertility Management in Intensive Agriculture (Commission IV, ISSS), Tokyo, Japan, 10-17 October 1977 (see also ISSS Diary).
Information: Prof. K. Kawaguchi, Faculty of Agriculture, Kyoto University, Kyoto, Japan.

1er Congrès International sur les Composés du Phosphore, Rabat, Maroc, 17-22 octobre 1977.
Information: M. Kabbaj, 8 rue de Penthièvre, 75008 Paris, France.

6th Congress of the Latin American Society of Soil Science, Mexico, Oct. 1977.
Information: Sociedad Mexicana de la Ciencia del Suelo, aptdo. postal 45, Chapingo, Mexico.

Annual Meeting of the Soil Science Society of America, Los Angeles, California, U.S.A., 13-18 November 1977.
Information: SSSA, 677 South Segoe Road, Madison, WI 53711, U.S.A.

42nd Annual Convention, Indian Society of Soil Science, to be held at the University of Agricultural Sciences, Bangalore, 1977.
Information: Indian Society of Soil Science, c/o Indian Agricultural Research Institute, New Delhi, 110012, India.

1978

Workshop on Assessment of Erosion in USA and Europe, Ghent, 27 Feb. - 3 March 1978.
Information: Prof. Dr. M. De Boodt, Faculty of Agric. Sciences, Coupure Links 533, B-9000 Ghent, Belgium.

11th Congress of the International Society of Soil Science
11ème Congrès de l'Association Internationale de la Science du Sol
11. Kongress der Internationalen Bodenkundlichen Gesellschaft
Edmonton, Canada, 19-27 June 1978.

Theme: Optimum soil utilization systems under differing climatic restraints.
Thème: Systèmes d'utilisation optimum du sol sous différentes contraintes climatiques.

Thema: Optimale Bodennutzungssysteme bei unterschiedlichen klimatischen Grenzbedingungen.

Information: 11th ISSS Congress, Box 78, Sub 11, University of Alberta, Edmonton, Canada T6G 2E0.

Remote Sensing for Exploration of the Earth, its Natural Resources and Endangered Biosphere. Symposium organized by Comm. VII of the International Society for Photogrammetry, Freiburg, Fed. Rep. Germany, 3 - 8 July 1978.

Information: Dr. H.J. Boehnel, Erbprinzenstr. 17a., D-7800 Freiburg, Fed. Rep. Germany.

Tenth International Congress on Sedimentology, Jerusalem, Israel, 9-14 July 1978, under the auspices of: International Association of Sedimentologists (IAS); Israel Academy of Sciences and Humanities; Geological Survey of Israel.

Among the themes of the Congress are two topics of special interest to soil scientists, namely:

– Sedimentary aspects of geomorphology, paleoclimatology and hydrogeology including duricrusts and paleosols;

– Calcrete, past and present (criteria for recognizing calcrete in ancient sediments; environmental interpretation; age determinations).

Pre – and post – congress excursions in Israel, Cyprus and Turkey.

Information: Secretariat, 10th Int. Congress on Sedimentology, P.O. Box 16271, Tel Aviv, Israel.

Third International Conference on Permafrost, Edmonton, Alberta, Canada, 10-13 July 1978.

General topics: Permafrost Science and Permafrost Engineering.

Information: Dr. M.K. Ward, Executive Secretary, c/o National Research Council of Canada, Ottawa, Ontario, Canada K1A 0R6.

Symposium on Clay Minerals and Soil Fertility, Prague, Czechoslovakia, 18-22 September 1978.

Information: Dr. J. Vanek, Research Inst. for Soil Reclamation, 25580 Prague 5, Zbraslow, Czechoslovakia.

8th World Forestry Congress, Djakarta, Indonesia, 16-28 October 1978.

Information: Secretary General, World Forestry Congress, c/o FAO, Viale Terme di Caracalla, Rome, Italy.

Dixième Congrès des Irrigations et du Drainage, Athènes, Grèce, 1978.

Information: Secrétaire général, I.C.I.D., 48, Nyaya Marg, Chanakyapuri, New Delhi 110021, Inde.

1979

11th International Congress of the International Union of Biochemistry (IUB), Toronto, Canada, 8-14 July 1979.

Information: Secretary General IUB, Biochemistry - UMED, P.O. Box 520875, Miami, Florida 33152, U.S.A.

14th Congress of the Pacific Science Association, Novosibirsk, U.S.S.R.

Information: Pacific Science Association, P.O. Box 6037, Honolulu, Hawaii 96819, U.S.A.

8th Conference of the International Soil Tillage Research Organization (ISTRO), Fed. Rep. of Germany.

Information: Dr. G. Kahnt, Inst. f. Acker - und Pflanzenbau, Universität Hohenheim, D-7000 Stuttgart, Fed. Rep. Germany.

NEW PUBLICATIONS *
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Soils of Arid Regions - Developments in Soil Science 6, by H.E. Dregne, Honr. Professor and Director, International Center for Arid and Semi-Arid Land Studies, Texas Tech University, 1976, xii + 237 p., 35 tables, 26 illus.

The first two chapters give a brief description of arid regions in general and an introduction to soil classification systems. The main emphasis is upon the new US Soil Taxonomy, some attention is given to the systems of the Soviet Union, Australia and France. The FAO/Unesco World Soil Map legend has also been dealt with briefly.

In chapter three characteristics and distinguishing features of arid-region soils are given.

The next six chapters describe the soils in Africa, Asia, Australia, North America, South America, and Spain.

The last three chapters contain the chemical, physical, and biological properties effecting the use and management of arid-region soils. It may be illustrated from the 15 pages text on the arid-region soils in Australia that a book of this size cannot give more than a brief introduction.

It is regretted that no more recent soil maps have been used, and that the soil maps contained in the book are too small to show the amount of included information.

Listing of references conclude all chapters. The writing is clear and nontechnical, the tables and most illustrations useful.

This book may be recommended for university students in geography, general soil science, and agronomy.

Price: Dfl. 75.00 or about US\$ 28.95.

Orders to: Elsevier, P.O. Box 211, Amsterdam, The Netherlands.

International Soil Museum, Wageningen

Soils of Canada, by The Canada Soil Survey Committee and The Soil Research Institute of Canada, Department of Agriculture, 1977, 2 volumes, 482 p.

Soils of Canada is the first comprehensive description and analysis of the Canadian soil resource. It presents an account of all the important factors in the formation, distribution, and utilization of the various soils of Canada.

Volume I, Soil Report, provides information about the Canadian soil resource at both the general and technical levels. It is divided into four parts: Soil Concepts; Biophysical Environment of Canadian Soils; Description of Soils and Mapping Units; and Correlation Between the Canadian, United States, and World (FAO) Systems, Soil Climate Data and Classification for Selected Canadian Stations, Morphological, Physical, and Chemical Properties of Selected Soils. There are 20 line drawings and 144 colored photos in 243 pages of text.

Volume II, Soil Inventory, which contains 239 pages, provides access to a wide range of information about any soil area delineated on Soil Map of Canada, 1:5 000 000. The distribution of soil temperature and soil moisture regimes is shown on a second map Soil Climates of Canada, 1:10 000 000 in color.

These two volumes and a copy of Glossary of Terms in Soil Science, 44 p., are available in a bookcase tray.

Price: Canada \$ 25.00; other countries \$ 30.00.

Orders to: Publishing Centre. Printing and Publishing, Supply and Services Canada, Ottawa, Ontario K1A 0S9 (catalogue No. A53-1544/a-1976).

Ernährungsstörungen bei Kulturpflanzen in Farbbildern, von W. Bergmann, Institut für Pflanzenernährung, Jena, 1976, 183 S., 519 Farbb. auf 160 Tafeln, PVC.

Die vorliegende Broschüre wird als unmittelbares Arbeitshilfsmittel unter Praxisbedingungen mit einem einfachen Schlüssel zur Bestimmung von Nährstoffmangelsymptomen bei landwirtschaftlichen Kulturpflanzen und 519 Farbbildern mit Mangel- und Überschusssymptomen in Ergänzung zu

* Titles of new publications are listed here for information. Orders can however not be handled by the ISSS Secretariat but should be placed through a bookstore or directly with the publishers.

* Les titres de nouvelles publications sont mentionnés à titre d'information. Le Secrétariat de l'AISS ne peut toutefois pas se charger de commandes, celles-ci devant être adressées à une librairie ou directement aux éditeurs.

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dem Buch von Bergmann und Neubert "Pflanzendiagnose und Pflanzenanalyse zur Ermittlung von Ernährungsstörungen und des Ernährungszustandes der Pflanzen" herausgegeben.

Preis: DDR 25,- M; Ausland 35,- M.

Bestellungen: VEB Gustav Fischer Verlag, Villengang 2/Postfach 176, 69 Jena, DDR.

Biological N Fixation in Forage-Livestock Systems, edited by Carl S. Hoveland, American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Special Publication 28, 1976, paperback, 133 p.

The importance of legumes in building and conserving soil fertility has been recognized since the beginning of agriculture. Today, the desired technology for fixed nitrogen must provide nitrogen at a low economic cost and in adequate amounts to produce higher yields.

This book contains recent information on nitrogen fixation by legumes. The six chapters in this special publication are based almost exclusively on soybeans and peas and the extension of nitrogen fixation to forage grasses.

Price: \$ 6.25 (50 ct. postage per book on orders outside the US).

Orders to: American Society of Agronomy, 677 South Segoe Road, Madison, Wisconsin 53711.

Multiple Cropping, edited by R.I. Papendick (Chairman), P.A. Sanchez, and G.B. Triplett; American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America publishers; 1976, paperback, 384 p., 18 chapters, illustrated.

Multiple cropping encourages more intensive land use and more efficient utilization of machinery, labor, and capital investment. It helps growers produce the food and feed needed to meet the growing demands of our growing society.

Recognizing crop intensification as a major tool for preventing food shortages throughout the world, the American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America have produced this Special Publication 27.

Eighteen chapters discuss intercropping systems around the world, management aspects of wind erosion, soil fertility, land preparation, crop pests, varieties, machinery adaptation, and economics.

The authors represent worldwide, multidisciplinary viewpoints on the subject. They range geographically from the U.S. to the Philippines and from the United Kingdom to Australia.

The book serves as a basic reference. It encompasses a wide scope of both the old and new aspects of this centuries-old practice.

Price: \$9.00.

Orders to: American Society of Agronomy, 677 South Segoe Road, Madison, Wisconsin 53711.

Peat and Podzolic Soils and Their Potential for Agriculture in Indonesia, Proceedings, ATA 106 Midterm Seminar, Tugu, October 13-14, 1976, Soil Research Institute, Bogor; 198 p.

This book contains the papers presented at the above mentioned seminar and deals with the characteristics and agricultural potential of low-land peats in Indonesia and of podzolic soils which occur in Kalimantan, Sumatra and West Java.

Orders to: Soil Research Institute, Jalan G. Iskandar, Bogor, Indonesia.

Numerical Classification of Soils and Its Application in Survey, by J.J. de Gruijter (Thesis), 1977, 117 p., 18 tables, 23 figs.

This study considers the main problems in soil classification from the viewpoint of a numerical approach. It deals with the purposes of classification, data collection and preliminary processing, types, identification and assessment of classification. With regard to the choice of a numerical method of classification three basic approaches are discussed: the heuristic approach, the approach by imposing mathematical requirements and by objective functions. A method is described to apply a numerical procedure to profile descriptions which can be integrated in normal survey procedures and which aims at obtaining homogeneous classes that can be handled in the field.

Orders to: Pudoc, Centre for Agricultural Publishing and Documentation, Wageningen, The Netherlands.

Soils of the Hexham District, by R.A. Jarvis, 1977, 72 p., figures, plates, one map.

The Soil Survey of Great Britain prepares maps showing the distribution of soils, and memories describing the properties of the soils mapped, from the viewpoint of scientist and agriculturist.

This book describes soils and land use in the valleys of the Tyne, between Haltwistle and Corbridge, and its southern tributaries, the East and West Allen and Devil's Water, with the intervening uplands.

Introductory chapters give an account of the physical environment, soil classification and land use. Detailed descriptions of the soils follow, illustrated by profile descriptions and analytical data.

Price: £4.

Orders to: The Soil Survey, Rothamsted Experimental Station, Harpenden, Herts., U.K.

Proceedings of the 4th International Colloquium on the Control of Plant Nutrition, Ghent, 6-11 September 1976, Volume I and II, edited by A. Cottenie.

These volumes contain 124 papers reflecting current applications of the methodology for testing the quality and nutritional value of plants by chemical analysis. This series of papers deals with problems of establishing a relationship between plant and soil analysis and the nutrient status of soils. It reviews the methods for converting analytical data into fertilizer requirements.

Orders to: Prof. A. Cottenie, Rijksuniversiteit, Laboratorium voor Analytische en Agrochemie, Coupure links 533, B 9000 Gent.

Proceedings of the 5th International Peat Congress, Poznań, Poland, 21-25 September 1976.

Vol. I – Peat and Peatlands in the National Environment Protection (482 p.).

Vol. II – New Recognition of Peatland and Peat (336 p.).

Vol. III – New Ideas and Technologies in Utilization of Peatlands and Peat (335 p.).

Orders to: Secretariat of the 5th Int. Peat Congress, ul. Wspólna 30 - 00 - 930 Warsaw 71, Poland.

Properties and Management of Soils in the Tropics, by Pedro A. Sanchez, 1977. John Wiley & Sons Ltd. 618 p. New York-London-Sydney-Toronto.

This book compiles the available information on properties and management of tropical soils, with emphasis on ways to increase food production in developing countries. The thirteen chapters of the book cover three major areas. Chapters 1 and 2 describe the different tropical environments in physical, economic and human terms and discuss the geographical distribution and classification of soil in the tropics. Emphasis is on the variable environments in the tropics and the wide variety of soils which occur in the region. Chapters 3 to 9 focus on specific soil-plant relationships related to physical and chemical properties, organic matter, nitrogen, soil acidity and liming, phosphorus, sulfur and silicon, and methods of transmitting fertilizer recommendations to farmers. Chapters 10 to 13 integrate the previous concepts in terms of four principal soil management systems: shifting cultivation, rice cultivation, multiple cropping, and pasture production.

The level of presentation assumes knowledge of an elementary course in soil science. The book can be used as a text for advanced undergraduate and beginning graduate level courses. Due to the comprehensive compilation of the tropical soils literature, it could serve as a valuable reference to agricultural scientists and development specialists interested in the tropics.

Contents: The Tropical Environment. Soils of the Tropics. Soil Physical Properties. Clay Mineralogy and Ion Exchange Processes. Soil Organic Matter. Nitrogen. Soil Acidity and Liming. Phosphorus, Silicon and Sulfur. Soil Fertility Evaluation. Soil Management in Shifting Cultivation Areas. Soil Management in Rice Cultivation Systems. Soil Management in Multiple Cropping Systems. Soil Management for Tropical Pasture Production. Index.

Price: £22.50/US\$38.10.

Irrigation Structures (in Czech: Závlahové stavby), by Milos Holý et alia, 1977, SNTL Publishing House, Prague, Czechoslovakia.

The publication *Irrigation Structures* deals with the questions of the preparation, projecting and designing of the structures as well as with the problems of their operation and maintenance. Special emphasis is placed on methods used to provide water for irrigation within the water management systems. The book deals with the questions of classification and evaluation of factors indispensable for the optimal design of the irrigation construction, technical solution of project design, operation and maintenance and the assessment of the economic efficiency of irrigation.

The publication is addressed to undergraduate and graduate specialists, project designers and specialists in the operation of irrigation systems. It contains a summary in Russian, English, French, German and Spanish.

Price: 30,-Kcs.

Orders to: SNTL Publishers, Spálená 51, Prague 1, Czechoslovakia

A Framework for Land Evaluation, Soils Bulletin No. 32, FAO, Rome, 1976, 72 p. (French and Spanish versions are in preparation).

By 1970 many countries had developed their own systems of land evaluation. This made exchange of information difficult, and there was a clear need for international discussion to achieve some form of standardization. Preparatory work undertaken by two committees, one in the Netherlands and one in FAO, led to the production of a background document (FAO, 1972). This document, together with papers describing land classification systems throughout the world (FAO, 1974), was discussed at a meeting of international experts held in Wageningen in October 1972. The agreement reached on most of the principles led, in successive stages of further consultation, to the preparation of this "Framework for Land Evaluation". The framework considers both quantitative and qualitative classifications, expressed in terms of specific types of land utilization and at different levels of management and inputs.

Land evaluation is designed to serve practical purposes. The Framework has already been employed in a number of land development projects. It is essential that it should now be extensively tested, by application to a wide variety of environments, physical, economic and social, and to a broad range of planning purposes. It is expected that this "Framework" will be a useful tool to soil surveyors, planners, economists, extensionists and teachers to work towards establishing a common language in the field of land appraisal and a more effective application of physical resource data to land use planning.

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