

BULLETIN

OF THE INTERNATIONAL SOCIETY
OF SOIL SCIENCE

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BULLETIN

DE L'ASSOCIATION INTERNATIONALE
DE LA SCIENCE DU SOL

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MITTEILUNGEN

DER INTERNATIONALEN BODENKUNDLICHEN
GESELLSCHAFT

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

Office/Bureau: c/o Royal Tropical Institute, 63 Mauritskade, Amsterdam, Netherlands.

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- I. SOIL PHYSICS:
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- II. SOIL CHEMISTRY:
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President: Dr J. Pochon, Institut Pasteur 25, Rue du Dr Roux, Paris XV, France.
- IV. SOIL FERTILITY AND PLANT NUTRITION:
President: Prof. Dr F. Scheffer, Nikoläusbergerweg 7, Göttingen, Deutschland.
- V. SOIL GENESIS, CLASSIFICATION AND CARTOGRAPHY:
President: N. H. Taylor, Soil Bureau, Molesworthstreet, Wellington, New Zealand.
- VI. SOIL TECHNOLOGY:
President: Prof. Dr B. Ramsauer, Rennweg 4, Wien XVIII, Oesterreich.
- VII. SOIL MINERALOGY:
President: Prof. Dr D. J. Doeglas, Geological Institute, Agriculture University, Wageningen, Netherlands.

Representatives of National Societies	Représentants des Sociétés Nationales	Vertreter der Gesellschaften der einzelnen Länder
Austria/Autriche/Oesterreich:	Prof. Dr H. Franz,	Gregor Mendelstrasse 33, Wien.
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New Zealand/Nouvelle Zélande/Neuseeland:	N. H. Taylor,	54 Molesworthstreet, Wellington N. 1.
Portugal/Portugal/Portugal:	Prof. Dr J. V. Botheilho da Costa,	Instituto Superior de Agronomia, Tapada da Ajuda, Lisboa.
South Africa/Afrika/Südafrika:	Dr C. R. van Merwe,	Division of Chemical Services, Pretoria.
Sweden/Suède/Schweden:	Prof. Dr O. Tamm,	Experimentalfältet, Stockholm.
United Kingdom/Royaume Unie/Grossbritannien:	G. V. Jacks,	M. A. Commonwealth Bureau of Soils, Harpenden, Herts, England.
U.S.A./Etats Unies/Vereinigte Staaten:	Dr C. E. Kellogg,	Assistant Administrator for Soil Survey, U.S. Dept of Agriculture, Washington 25, D.C.
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No. 11

1957

NEWS OF THE COMMISSIONS

Commission I, Soil Physics

On September 1st 1956, at the occasion of the 6th International Congress of Soil Science, Paris, a discussion has been held under chairmanship of Dr M. de Boodt on the problem of methods to measure the stability of Soil Structure.

It was deemed necessary that the methods as used by any one were brought to the notice of others in order that it would be possible to take cognisance of the investigations in this field notably as carried out in those parts of the world where conditions and conceptions might be different.

With reference to this discussion it now is requested to send the following information to Dr R. Betremieux, Laboratoire des Sols, C.N.R.A. Versailles, in order that this data may be dissipated through the Bulletin of the I.S.S.S.:

— Which methods are used to measure the stability of soil structure. Please indicate whether the methods are applied to soils of the temperate or tropical region or both;

— which methods are used to diagnose macroscopically the structure of the soil in relation to a predetermined purpose.

Commission III - Soil Biology

As decided at the Paris Congress, 1956, a Colloquium on the problems related to soil microbiological technics was held in Louvain, Belgium in June 1957. 40 members, representing 13 countries participated in the meeting, Professor Simonart, Past-President of the Commission, being in the chair.

During the discussion it was decided to set up an international inquiry into some specific technics. The questionnaire will be sent to the participants of the Louvain Colloquium and to anyone who applies for a copy to the President of Commission III, Professor J. Pochon, Institut Pasteur, Paris XV. If the number of inscriptions will be found to be satisfactory a second colloquium will be held in Paris, June 1959, to discuss the results of the inquiry and to draft a work-plan for the Commission with a view to the 7th International Congress of Soil Science, U.S.A., 1960.

In agreement with the rules of the Society a Committee on Soil Zoology has been formed.

With approval of the President of the Commission the following announcement is issued.

COLLOQUIUM

**On research methods in Soil Zoology
Preliminary Notice**

During the sixth International Congress of Soil Science at Paris in September 1956, a general desire was expressed to hold an international colloquium on methods of research in soil zoology. The colloquium will take place at Rothamsted Experimental Station, Harpenden, Hertfordshire, England from

10th to 14th July 1958

immediately prior to the International Zoological Congress taking place in London from 16th to 23rd July, inclusive. Harpenden is 25 miles (40 km) from London, 40—60 minutes by train.

PROVISIONAL PROGRAM

- Section 1. Methods of sampling and analysis - statistical aspects;
Recorder: Prof. H. Debauche, University of Louvain, Belgium.
- Section 2. Extraction processes and accessory techniques;
Recorder: Dr P. W. Murphy, Rothamsted Experimental Station.
- Section 3. Systematics and ecology;
Recorder: Dr H. Gisin, Natural History Museum, Geneva, Switzerland.
- Section 4. Site characteristics with particular reference to pedological aspects;
Recorder: Prof. H. Franz, Institute of Geology and Soil Science, High School for Agriculture, Vienna, Austria.
- Section 5. Laboratory techniques for biological and physiological studies;
Recorder: Mr J. D'Aguilar, Central Station of Agricultural Zoology, Versailles, France.

ORGANIZATION

Papers for the colloquium will be by invitation and as far as possible in English. It is hoped to publish the proceedings of the colloquium at a later date. It is intended to provide practical demonstrations of the various techniques, and it is hoped that, where possible, contributors will be willing to loan for this purpose.

PAUL W. MURPHY, Organizing Secretary,
Rothamsted Experimental Station,
Harpenden, Hertfordshire, England.

Commission II — Soil Chemistry; Commission IV — Soil Fertility.

Invitation to the Congress of the IInd and IVth Commission of the International Society of Soil Science,

August 25th — 30th 1958

in the Curio-Haus, Hamburg.

Timetable

Sunday 24th August 1958	Arrival in Hamburg.
Monday 25th August 1958	10.00 a.m. Opening session, followed by lectures.
Tuesday 26th August 1958	8.30 a.m. Lectures.
Wednesday 27th August 1958	8.30 a.m. Lectures.
Thursday 28th August 1958	8.30 a.m. Lectures.
Friday 29th August 1958	8.00 a.m. Excursion.
Saturday 30th August 1958	8.00 a.m. Excursion.

Further information will be set out in our detailed programme of the congress.

Participation.

All persons intending to participate in the congress are asked to return the attached registration form, duly completed, to the Congress Offices, Göttingen, Nikolausbergerweg 7, Germany, not later than 1-2-1958. Persons accompanying congress delegates should be entered as guests.

Subscriptions.

The congress subscription for participants is 80.— D.M. (West), and should be paid in to the Commerz- und Discontobank, Göttingen, Sonderkonto Tagung Nr. 12295, Prof. Dr. F. Scheffer.

It is regretted that in the event of a member being unable to attend the congress, any fees already paid cannot be refunded. The above fees are exclusive of excursions costs. Residence costs in Hamburg vary between 6—20 D.M. per day. However, only limited inexpensive accommodation is available, and can only be reserved for those applicants replying by return of post.

Principal Lecturers.

- 1) Soil types, and the effects of fertilizers. (The climatic and soil requirements for the effects of fertilizers)
Prof. Tjurin, Moscow.
- 2) The role of growth-promoting substances formed in the soil.
Prof. Flaig, Braunschweig.
- 3) The ion distribution between soil solution and absorbing complex.
Prof. Schuffelen und Dr. G. H. Bolt, Wageningen.
- 4) The role of isotope dilution for research into soil and soil-plant systems.
Dr. Scott Russel, Oxford.

Congress Papers.

Participants should announce their papers. All such papers should tend towards the main themes as set out in the four principal lectures. All participants are asked to give information to the congress offices, Göttingen, Nikolausberger Weg, 7, Germany, concerning their intended paper, on the appropriate card enclosed, together with a summary of about one typewritten page by 1-2-1958. The following should also be noted:

- 1) Only one paper may be presented by a member giving a paper as a first author.
- 2) The official languages of the congress are English, French and German.
- 3) No paper should exceed 1200 words or five typewritten pages DIN A 4, including lantern slides, tables and descriptions.
- 4) Not more than 15 minutes will be allowed for the reading of each paper, including the showing of slides (only 5 x 5 cms diapositive) etc., and discussions.
- 5) Papers reaching the congress offices by 1-V-1958, will be printed immediately. A summary in two of the congress languages, (i.e. excluding the language of the actual paper) should be included with the paper.

Further Arrangements.

After the conclusion of the congress two one-day excursions have been planned in connection with soil science. A ladies' programme has been planned for the duration of the congress, details of which will be given later. It is also intended to show an exhibition of scientific apparatus dealing with isotope technology.

Further information will be sent to those ladies and gentlemen whose applications have been received by the congress offices in Göttingen, Nikolausberger-Weg 7, Germany, by 1-2-1958.

Commission V - Soil Genesis, Classification and Cartography

After the Paris Congress the leading members of the Fifth Commission of the Society decided to prepare a project of an international classification of soils scheduled to take place in 1960.

In talks with the former President of the Fifth Commission Dr Muir and its President Prof. Taylor a project of the activities of the Commission was drafted for the period between the Sixth and Seventh Congresses. This project was agreed on by the representatives of various National Societies of Soil Science. The German Society of Soil Science proposed that an all European conference on the classification of soils of Europe be convened prior to the Congress.

This plan of work envisages that the European and Asian countries jointly prepare the project of the classification of the soils of Europe. In order to attain that object Professor Kovda, Vice-President of the Commission has contacted all National Societies concerned.

Commission VI - Soil Technology

In the Bulletin No. 10, 1956, page 6 it was mentioned that a special conference of Commission VI would be held in Vienna. As, however, Professor Ramsauer resigned as President of the Commission, it was found to be impossible to organize this meeting in Vienna in 1957. Dr C. van den Berg (Netherlands), Vice-President, assumed the Presidency. He wishes the following announcement to be made.

Special meeting in 1958.

As the provisionally proposed meeting on drainage in 1957 had to be cancelled, our Danish colleagues are willing to organize a special conference on

"Sprinkling irrigation"

This conference will be held in Copenhagen from 30th June to 4th July 1958. We intend to ask contributions on the subject mentioned and its related fields; moreover one or two experts will be invited to give a lecture on the principles of supplemental irrigation.

In this bulletin a form is enclosed for those members who are interested in the subject. The secretariate of the conference will send you on receipt of the filled out form all subsequent communications.

It has been arranged that reservations for hotel accomodation for either of the conferences mentioned above may be booked with Thos. Cook & Sons/Wagon Lits Offices, payment in local currency being accepted.

A list of Cook's offices is given below. In view of shortage of accomodation in holiday periods in Copenhagen and Hamburg early booking is recommended.

NOUVELLES DES COMMISSIONS

Commission I - Physique du Sol

Au cours du VIème Congrès, à Paris, une discussion a été ouverte le 1er septembre 1956 sur le problème des méthodes de mesure de la stabilité de la structure, sous la présidence du Docteur M. de Boodt.

Il est apparu nécessaire que les méthodes employées par chacun soient portées à la connaissance de tous afin de permettre une confrontation fructueuse des travaux entrepris de par le monde dans ce domaine délicat où les conceptions sont variées.

En conclusion de cette discussion, il est donc demandé aux chercheurs d'envoyer au M. le Docteur Betremieux, Laboratoire des Sols, C.N.R.A. Versailles, France, afin de les diffuser par la voie de ce bulletin:

— leurs méthodes de mesure de la stabilité de la structure en indiquant si elles s'appliquent aux sols tempérés, tropicaux ou aux deux;

— leurs méthodes visuelles d'appréciation de la structure comportant une corrélation avec une donnée objective.

Commission III - Biologie du Sol.

Comme il avait été décidé au congrès de Paris, un symposium, consacré aux problèmes des techniques en microbiologie du sol, s'est réuni à Louvain au mois de juin 1957: 40 participants, représentant 13 nations, sous la présidence de Monsieur le Professeur Simonart, Président sortant de la Commission III.

Au cours de ce symposium a été décidé l'organisation d'une enquête internationale sur quelques points précis de techniques. Le programme de cette enquête sera envoyé à ceux qui se sont inscrits au Symposium de Louvain et à tous qui en feront la demande (organisateur et président: Professeur J. Pochon, Institut Pasteur, Paris 15e). Si le nombre des inscrits est suffisant, un nouveau symposium doit avoir lieu à Paris vers Juin 1959, sur les résultats de l'enquête et pour l'organisation du travail de la Commission III au Congrès International de la Science du Sol, Etats Unis, 1960.

En concordance avec le règlement de la Société et un Comité de Zoologie du Sol fut créé.

Avec le consentement du Président de la Commission la communication suivante est présentée.

Colloque sur les méthodes d'études en Zoologie du Sol

Notice préliminaire

Au cours du 6me Congrès international de la Science du Sol, tenu à Paris en septembre 1956, le voeu a été émis d'organiser un Colloque international sur les méthodes d'études en Zoologie du sol. Ce Colloque aura lieu au Rothamsted Experimental Station, à Harpenden (Hertfordshire, Angleterre)

du 10 au 14 juillet 1958,

immédiatement avant le Congrès international de Zoologie, qui se tiendra à Londres du 16 au 23 juillet inclus. Harpenden est à 40 km de Londres, donc à 40—60 min. de chemin de fer.

PROGRAMME PROVISoire

- Section 1. Méthodes d'échantillonnage et d'analyse. - Point de vues statistiques; Rapporteur: Professeur H. Debauche, Université de Louvain, Belgique.
- Section 2. Méthodes d'extraction et techniques accessoires; Rapporteur: Dr P. W. Murphy, Rothamsted Experimental Station.
- Section 3. La Systématique et l'écologie; Rapporteur: Dr H. Gisin, Muséum d'Histoire Naturelle, Genève, Suisse.
- Section 4. Terrains caractéristiques avec références particulières aux aspects pédologiques. Rapporteur: Prof. H. Franz, Institut de Géologie et de Science du Sol, Ecole Supérieure d'Agriculture, Vienne, Autriche.
- Section 5. Techniques de laboratoire pour les études biologiques et physiologiques. Rapporteur: M. J. D'Aguiar, Station Centrale de Zoologie Agricole, Versailles, France.

ORGANISATION

Les communications du colloque seront personnellement sollicitées et devraient de préférence être rédigées en anglais. Il est espéré que les travaux de colloque seront publiés plus tard. Des démonstrations pratiques des différentes techniques sont prévues et on espère qu'il sera possible aux participants de vouloir bien prêter des appareils dans ce but.

PAUL W. MURPHY, Secrétaire général du Colloque,
Rothamsted Experimental Station,
Harpenden, Hertfordshire, England.

Commission II — Chimie du Sol; Commission IV — Fertilité du Sol.

Invitation au Congrès de la II et de la IV Commission de la Société Internationale d'Etude des Sols qui se tiendra du 25 au 30 Août 1958 à Hambourg, dans la Curio-Haus.

Horaire

Dimanche 24 Août 1958		Arrivée des participants.
Lundi 25 Août 1958	10 heures	Séance d'ouverture, puis conférences.
Mardi 26 Août 1958	8 heures 30	Conférences.
Mercredi 27 Août 1958	8 heures 30	Conférences.
Jeudi 28 Août 1958	8 heures 30	Conférences.
Vendredi 29 Août 1958	8 heures	Excursion.
Samedi 30 Août 1958	8 heures	Excursion.

De plus amples informations vous seront fournies dans le programme détaillé du congrès.

Participation.

Ceux qui désirent prendre part au congrès sont priés d'adresser leur bulletin d'inscription (formule ci-jointe), avant le 1er février 1958 au plus tard, au bureau du congrès, Goettingen, Nikolausbergerweg 7, Allemagne. Quant aux personnes accompagnant les participants au congrès, elles peuvent être inscrites comme hôtes.

Contribution aux frais.

La cotisation de membre participant est de 80.— D.M. occidentaux et doit être versée au compte du congrès: Konto -Tagung- N. 12295, Prof. F. Scheffer, Commerz- und Discontobank, Goettingen. Les frais déjà acquittés ne pourront être remboursés aus cas où un membre serait empêché de se rendre au congrès.

Les frais de logement à Hambourg varient entre 6 et 20.— D.M. par jour. Il y a cependant quelques possibilités — en nombre limité — de se loger pour un prix modique: prière de s'inscrire le plus rapidement possible, si l'on désire en bénéficier.

Les frais d'excursion sont comptés à part.

Principaux exposés.

1. Les différents types de sol et l'action des engrais (conditions de climat et de terrain requises pour l'action des engrais).
Prof. Tjurin, Moscou.
2. Importance de la formation des auxines dans le sol.
Prof. Flaig, Brunswick.
3. La distribution des ions entre la phase liquide et le complexe absorbant des sols.
Prof. Schuffelen et Dr. G. H. Bolt, Wageningen.
4. Importance de la dilution isotopique pour les recherches menées dans le système „sol” et dans le système „sol--plante”.
Dr Scott Russel, Oxford.

Communications.

Les participants peuvent annoncer leurs communications éventuelles. Toutes les communications doivent se référer quant à leur contenu au thème principal du congrès, en particulier aux quatre conférences centrales. Tous les participants qui aimeraient faire une communication sont priés d'adresser leur sujet le 1er Février 1958 au plus tard au bureau du congrès, Goettingen, Nikolausberger Weg 7, Allemagne, et d'y joindre un résumé de leur communication n'exédant pas une page dactylographiée. Prière de respecter les prescriptions suivantes:

- 1) Chaque participant n'aura le droit de faire qu'une communication originale.
- 2) Les langues officielles du congrès sont l'anglais, le français et l'allemand.
- 3) Chaque communication ne devra pas dépasser 1200 mots ou l'équivalent de 5 pages dactylographiées DIN A 4, y compris les photos, les tableaux et les descriptions.
- 4) La durée de présentation de la communication est limitée à 15 minutes. Ce temps comprend le commentaire des projections (seul le format 5/5 Diapositive est admis), etc. . . . et la discussion.
- 5) Les communications, parvenues au bureau du congrès à Goettingen avant le 1er Mai 1958, seront aussitôt imprimées. Prière de joindre à la communication un résumé de celle-ci dans 2 langues officielles du congrès qui ne soient pas celle de la susdite communication.

Autres activités prévues.

En plus des conférences du congrès sont prévues deux excursions d'un jour avec étude des sols. Pour la durée du congrès un programme pour dames a été établi, dont le détail sera communiqué ultérieurement. En outre une exposition d'appareils scientifiques appartenant à la technique des isotopes est envisagée.

De plus amples informations seront envoyées à ceux dont la carte de participant sera parvenue avant le 1er Février 1958 au Bureau du congrès à Goettingen, Nikolausberger Weg 7, Allemagne.

Commission V - Génèse du Sol, Classification et Cartographie.

Après le Congrès tenu à Paris 1956, il fut décidé par les membres dirigeants de la 5me Commission de préparer un projet de classification mondiale des sols pour le 7me Congrès International de la Science du Sol, qui aura lieu en 1960.

Dans des discussions consécutives avec l'Ancien-Président de la Commission V, M. le Docteur Muir, et avec le Président actuel, M. le Professeur Taylor, un projet d'activités de la Commission, pendant la période intermédiaire entre le 6me et le 7me Congrès International, fut dressé. Ce projet fut approuvé par les représentants de diverses associations nationales. L'Association Allemande a proposé qu'une réunion pan-européenne sur la classification des sols de l'Europe soit organisée avant le Congrès International de 1960.

La réalisation de cette proposition demande la coopération des pays européens et asiatiques afin de préparer le projet mentionné. Afin d'atteindre ce but M. le Professeur Kovda, Vice-Président de la Commission s'est adressé à toutes associations nationales impliquées.

Commission VI - Technologie du Sol

Référant au Bulletin No. 10, 1956, page 13, dans lequel il fut mentionné qu'une réunion spéciale de la Commission VI aura lieu en 1957 à Vienne il est communiqué que M. le Professeur Ramsauer a désiré de se démettre de sa charge. Pour cette raison il n'était plus possible d'organiser une conférence spéciale à Vienne en 1957. M. le Dr C. van den Berg (Pays Bas), Vice-Président, a assumé la présidence. De son part la notification suivante est faite.

Réunion spéciale en 1958

Comme la réunion de drainage qui aurait dû avoir lieu en 1957 a été annulée, nos collègues danois ont l'intention d'organiser une réunion spéciale concernant

„L'irrigation par aspersion”

Cette conférence sera tenue à Copenhague du 30 juin au 4 juillet 1958.

C'est l'intention de demander des contributions quant au sujet mentionné et à ses terrains avoisinants. Un ou deux experts seront priés de tenir une conférence sur les principes de l'irrigation à aspersion.

Ci-joint un formulaire pour les membres s'intéressant à ce sujet. L'envoi du billet rempli au secrétariat assure la réception des communications ultérieures.

Pour chaque réunion mentionnée un arrangement est faite avec Thos. Cook & Sons/Wagon Lits, qui fera toute la nécessaire pour les réservations des chambres d'hôtel, paiement en monnaie nationale étant accepté.

Une liste d'agences de Cook/Wagon Lits est donnée ci-dessous. En vue de manque d'accomodation dans le saison de vacances à Copenhagen et à Hamburg il est recommandé de faire les réservations à temps.

NEUES DER KOMMISSIONEN

Kommission I - Bodenphysik

Im Laufe des 6. Internationalen Bodenkundlichen Kongresses zu Paris entwickelte sich, den 1. September 1956, unter Leitung des Vorsitzenden Dr. M. de Boodt, ein Gedankenaustausch über die Arbeitsmethoden zur Messung der Stabilität der Bodenstruktur.

Es erwies sich als notwendig, die von jedem Forscherbenutzten Methoden den andern Forschern zur Kenntnis zu bringen, damit jeder sich orientieren kann über wie anderswo in der Welt, unter vielleicht ganz verschiedenen Umständen, auf diesem Untersuchungsgebiet gedacht und gearbeitet wird.

Zufolge dieser Diskussion werden die betreffenden Kollegen nun gebeten, Hrn. Dr. R. Betremieux, Laboratoire des Sols C.N.R.A., Versailles, France, zwecks Verbreitung durch das Bulletin der I.S.S.S., zuzusenden:

1. Die benutzten Messmethoden der Strukturstabilität, somit Angabe, ob diese sich auf Böden der gemässigten oder der tropischen Zone, oder auf beide, beziehen.

2. die gebräuchlichen, visuellen, makroskopischen Methoden zur Schätzung der Struktur, anlässlich irgend einer bestimmten Zweckes.

Kommission III — Bodenbiologie.

Anschliessend an einen Beschluss des Kongresses zu Paris, wurde in Löwen (Belgien) im Monat Juni 1957 ein Symposium der Problemen der Arbeitsmethoden in der Bodenbiologie abgehalten, mit 40 Teilnehmern, 13 Nationen vergegenwärtigend; Vorsitzender war Herr Professor Simonart, Ex-Präsident der Kommission III.

Im Laufe dieses Symposiums wurde der Organisation einer internationalen Enquete, einige sehr bestimmte, technische Punkte betreffend, beschlossen. Das Programm dieser Enquete wird allen, die sich für das Symposium zu Löwen aufgegeben haben, sowie denen, die dies nachträglich noch für die Fortsetzung zu tun wünschen, zugesandt. (Organisator und Vorsitzender ist Herr Prof. J. Pochon, Institut Pasteur, Paris 15e). Wenn die Zahl der Anmeldungen dazu genügt, so wird ein neues Symposium zu Paris, gegen Juni 1959, die Resultate der Enquete, sowie auch die Organisation der Arbeit von Kommission III während des Internationalen Bodenkundlichen Kongresses, Vereinigte Staaten 1960, betreffend, veranstaltet werden.

Infolge der Bestimmungen der I.B.G. wurde ein Ausschuss, Sub-Kommission: Bodenzoologie eingesetzt.

Mit Genehmigung des Präsidenten der Kommission wird folgende Mitteilung hiermit veröffentlicht.

Symposium über Untersuchungsmethoden der Bodenzoologie Vorläufige Mitteilung

Am. VI. Internationalen Bodenkundlichen Kongress in Paris im September 1956 wurde der allgemeine Wunsch ausgesprochen ein internationales Symposium über Untersuchungsmethoden der Bodenzoologie zu halten. Das Symposium wird an der Rothamsted Experimental Station, Harpenden, (Hertfordshire, England) vom 10. bis 14. Juli 1958 stattfinden, unmittelbar vor dem Internationalen Zoologischen Kongress vom 16. bis 23. Juli in London. Harpenden ist 40 km von London entfernt, das heisst 40—60 Minuten Bahnfahrt.

PROVISORISCHES PROGRAMME

1. Sektion Methoden der Probenahme und Analyse — Statistische Gesichtspunkte
Berichterstatter: Prof. H. Debauche, Universität Louvain, Belgien.
2. Sektion Ausleseverfahren und zusätzliche Methoden
Berichterstatter: Dr P. W. Murphy, Rothamsted Experimental Station.
3. Sektion Die Systematik und der Ökologie
Berichterstatter: Dr H. Gisin, Naturhistorisches Museum, Genf, Schweiz.
4. Sektion Standorteigenschaften mit besonderer Bezugnahme auf Bodenkundliche Gesichtspunkte
Berichterstatter: Prof. Dr. Ing. H. Franz, Institut für Geologie und Bodenkunde der Hochschule für Bodenkultur, Wien, Österreich.

5. Sektion Laboratoriumsmethoden für biologische und physiologische Untersuchungen
Berichterstatter: J. d'Aguilar, Zentralstation für landwirtschaftliche Zoologie, Versailles, Frankreich.

ORGANISATION

Beiträge sollen in der Regel auf Grund einer persönlichen Aufforderung und womöglich in englischer Sprache eingereicht werden. Sie werden voraussichtlich später veröffentlicht. Es ist beabsichtigt praktische Demonstrationen der verschiedenen Techniken zu veranstalten; die Teilnehmer werden gebeten die nötigen Apparate leihweise zur Verfügung zu stellen.

PAUL W. MURPHY, Organisierender-Sekretär,
Rothamsted Experimental Station,
Harpenden, Hertfordshire, England.

Kommission II — Bodenchemie; Kommission IV — Bodenfruchtbarkeit.

Einladung zur Tagung der II. und IV. Kommission der Internationalen Bodenkundlichen Gesellschaft vom 25. bis 30. August 1958 in Hamburg, Curio-Haus.

Tagungseinteilung

Sonntag, 24. August 1958	Anreisetag.
Montag, 25. August 1958	10.00 Uhr Eröffnung, anschliessend Vorträge.
Dienstag, 26. August 1958	8.30 Uhr Vorträge.
Mittwoch, 27. August 1958	8.30 Uhr Vorträge.
Donnerstag, 28. August 1958	8.30 Uhr Vorträge.
Freitag, 29. August 1958	8.00 Uhr Exkursion.
Samstag, 30. August 1958	8.00 Uhr Exkursion.

Weitere Informationen wird das ausführliche Tagungsprogramm bringen.

Teilnahme.

Wer an der Tagung teilnehmen will, wird gebeten, die anhängende Teilnehmer-Anmeldung bis spätestens zum 1-2-1958 ausgefüllt an das Tagungsbüro in Göttingen, Nikolausbergerweg 7, zu senden. Angehörige, die einen Kongressteilnehmer begleiten, können als Gäste eingetragen werden.

Tagungsbeiträge.

Der Tagungsbeitrag beträgt für Teilnehmer 80.— D.M. West und ist auf das Konto „Tagung“ Nr. 12295 bei der Commerz- und Discontobank, Göttingen einzuzahlen. Eine Rückzahlung entrichteter Gebühren kann bei evtl. Verhinderung nicht erfolgen.

Exkursionsgebühren werden gesondert berechnet. Die Quartierpreise in Hamburg bewegen sich pro Tag zwischen 6,— bis 20,— D.M. Billige Quartiere stehen jedoch nur in beschränkter Anzahl zur Verfügung und können nur bei umgehender Anmeldung reserviert werden.

Hauptvorträge.

1. Bodentyp und Düngewirkung (die klimatischen und bodenkundlichen Voraussetzungen für die Düngewirkung).
Prof. Tjurin, Moskau.
2. Die Bedeutung der sich im Boden bildenden organischen Stoffe mit Wuchsstoffcharakter.
Prof. Flaig, Braunschweig.
3. Die Ionenverteilung zwischen Bodenlösung und Sorptionskomplex.
Prof. Schuffelen und Dr. G. H. Bolt, Wageningen.
4. Die Bedeutung der Isotopenverdünnung für Untersuchungen im System Boden und Boden-Pflanze.
Dr. R. Scott Russel, Oxford.

Referate:

Teilnehmer können Referate anmelden. Alle Referate sollen sich inhaltlich an das Hauptthema bzw. an die vier Hauptvorträge anlehnen. Alle Teilnehmer, die ein Referat halten möchten, werden gebeten, das Thema bis spätestens zum 1. Februar 1958 im Tagungsbüro in Göttingen, Nikolausberger Weg 7, auf der anliegenden Karte anzumelden und der Anmeldung eine Zusammenfassung von höchstens einer Schreibmaschinenseite beizufügen. Für die Referate gelten folgende Richtlinien:

- 1) Jeder Teilnehmer kann als erster Autor nur einen Beitrag vorlegen.
- 2) Die Kongresssprachen sind englisch, französisch und deutsch.
- 3) Jeder Beitrag soll 1200 Wörter oder 5 Maschinenseiten DIN A 4 einschliesslich Bilder, Tabellen und Darstellungen nicht überschreiten.
- 4) Die Vortragszeit wird auf 15 Minuten festgelegt. Diese Zeit schliesst die Besprechung von Bildern (nur 5 x 5 cm Diapositive) usw. und die Diskussion ein.
- 5) Beiträge, die bis zum 1. Mai 1958 im Tagungsbüro in Göttingen eingehen, werden sofort gedruckt. Eine Zusammenfassung in 2 Kongresssprachen, jedoch nicht in der Sprache des Referates, sind dem Beitrag anzufügen.

Sonstige Veranstaltungen.

Im Anschluss an die Vortragstagung sind 2 eintägige bodenkundliche Exkursionen vorgesehen.

Während der Tagung ist ein Damenprogramm geplant, dessen Einzelheiten später mitgeteilt werden. Ferner ist beabsichtigt, eine Ausstellung wissenschaftlicher Apparate aus dem Gebiet der Isotopentechnik zu zeigen.

Weitere Informationen werden an diejenigen Damen und Herren versandt, deren Teilnehmerkarte bis zum 1. Febr. 1958 im Tagungsbüro in Göttingen, Nikolausberger Weg 7, vorliegt.

Kommission V — Bodengenetik, Klassifizierung und Kartographie.

Nach Ablauf des Pariser Kongresses 1956, wurde von den Ausschussmitgliedern der 5. Kommission beschlossen, zum 7. Internationalen Bodenkundlichen Kongress, für 1960 geplant, einen Entwurf einer die ganze Erde umfassenden Bodenklassifikation vorzubereiten.

In darauf folgenden Besprechungen mit dem Ex-Präsidenten der Kommission V, Hrn. Dr. Muir, und mit dem jetzigen Vorsitzenden, Hrn. Prof. Taylor, wurde ein Entwurf, was die Kommission während der Zeit zwischen dem 6. und 7. Internationalen Kongress zu tun habe, aufgestellt. Mit diesem Entwurf stimmten die Vertreter von verschiedenen nationalen Gesellschaften völlig ein. Es schlug die Deutsche Bodenkundliche Gesellschaft vor, dass vor dem Internationalen Kongress 1960 noch eine pan-europäische Versammlung zur Besprechung der Klassifikation speziell der europäischen Böden abgehalten werden möge.

Die Realisierung dieses Vorschlages verlangt die Mitarbeit der europäischen und asiatischen Länder um den genannten Entwurf vorzubereiten. Zu diesem Zweck hat Herr Prof. Kovda, Vizepräsident der V. Kommission, sich an alle dabei bezogene nationale Gesellschaften gewandt.

Kommission VI — Bodentechnologie.

Referierend an Bulletin No. 10 1956, Seite 13, wo erwähnt wurde, dass im Laufe dieses Jahres 1957 eine spezielle Versammlung von Kommission VI zu Wien abgehalten werden würde, muss jetzt leider mitgeteilt werden, dass Herr Professor Ramsauer sich genötigt fühlte, sich als Vorsitzender dieser Kommission zurückziehen; demzufolge war es nicht mehr möglich, eine spezielle Versammlung zu Wien für 1957 zu organisieren. Herr Vice-Präsident Dr. C. van den Berg (Niederlande) hat das Präsidium übernommen und wünscht nun folgende Ankündigung zu machen.

Sondersitzung der Kommission VI in 1958.

Nun die geplante Sammlung über Dränierung, Wien 1957, nicht stattfinden kann sind unsere dänischen Kollegen bereit gefunden eine Sondersitzung zu veranstalten über

„Beregnung“

Die Sitzung wird stattfinden in Kopenhagen vom 30. Juni bis 4. Juli 1958.

Wir beabsichtigen Beiträge zu fragen über das genannte Thema und damit verbundene Probleme; weiter sollen einige Vorträge gehalten werden über die Grundlagen der Beregnung.

In dieser Ablieferung der „Mitteilungen“ ist ein Formular beigefügt für die interessierten Mitglieder. Nach Empfang des eingefüllten Formulars wird das Sekretariat weitere Mitteilungen über die Sitzung senden.

Es wurde mit Thos. Cook & Sons/Wagon Lits übereingekommen, dass für jede obengenannte Tagung die Hotelreservierung übernommen werden kann. Zahlung in nationale Währung wird akzeptiert. Eine Liste der Filialen von Cook/Wagon Lits ist untenstehend abgedruckt.

Mit Rücksicht auf den Mangel an Hotelakkommodation in der Feriensaison in Kopenhagen und Hamburg wird es empfohlen die Hotelzimmer frühzeitig zu reservieren.

THOS. COOK'S / WAGON LITS

Offices / Succursales / Filiales

AFRIQUE OCCIDENTALE FRANÇAISE SÉNÉGAL

DAKAR - 13 Av. Albert-Sarraut (Tél. 227-97).

AFRIQUE ORIENTALE PORTUGAISE

LOURENCO-MARQUES - 49 Avenida Republica Edificio Santos Gil (Tél. 36-66).

ALGÉRIE

ALGER - 61, Rue d'Isly (Tél. 320-12).

BONE - *Bout du Cours Bertagna* (Tél. 23-69).

CONSTANTINE - 13, R. G.-Clemenceau (Tél. 49-64).

ORAN - 8, Rue d'Alsace-Lorraine (Tél. 214-70).

ARGENTINA

BUENOS-AIRES - Avenida Cordoba 685 (Tél. 31 Retiro 3054).

AUSTRALIA

MELBOURNE - 159/161, Collins Street (Tél. MF 2442).

SYDNEY N.S. W-350 George Street (Tél. BL 4401).

BELGIQUE

ANVERS (ANTWERPEN) - 3, Place Téniers (Tél. 33-10-37)

BRUXELLES - 17, Pl. de Brouckère (Tél. 17-62-40).

GAND (GENT) - 27, Pl. d'Armes (Tél. 25-06-40).

LIEGE - 43, Rue Pont-d'Ile (Tél. 32-12-56).

BRAZIL

PORTO-ALEGRE - R. dos Andradas 1332 (Tél. 41-77).

RIO DE JANEIRO - Avenida Presidente Wilson 164, B (Tél. 32-69-65).

SAO-PAULO - 107, Rua Marconi, Loja 101 (Tél. 36-7588).

BULGARIA

SOFIA - 177, Bd Gueorgui Dimitrov (Tél. 3-12-30).

CANADA

MONTREAL - Dominion Square Building, 1241, Peel Street (Tél. University 6-7451);

TORONTO - 1, Ontario - 75, King Street West (Tél. Empire 4-2256).

VANCOUVER 2 B. C. - 625, West Pender Street (Tél. Tatlow 1277).

CHILI

SANTIAGO DU CHILI - 1058, Calle Augustinas (Tél. 82-827/8).

VALPARAISO - Calle Esmeralda 1028 (Tél. 5214).

COLUMBIA

BOGOTÁ - Av. Jimenez de Quesada 6.29 (Tél. 19-250).

CUBA

HABANA D. 5 - Obispo 252 (Tél. A 2971).

DENMARK

KOBENHAVN V. - Vesterbrogade, 1 Industribygningen (Tél. Rigs 347).

DEUTSCHLAND

BERLIN, W. - Kurfürstendamm, 42 (Tél. 91.66.13).

BONN - Meckenheimerstrasse, 60 (Tél. 377-92).

DUSSELDORF - Hôtel Breidenbacher Hof, Königsallee (Tél. 296-57).

FRANKFURT - A.E. Central Station (Tél. 31.246).

HAMBURG - 7, Ballindamm (Tél. 33.08.45).

KOELN - Domhof, 1 (Tél. 21-35-46).

MUNCHEN - Lenbachplatz, 3 (Tél. 50-200).

STUTTGART - 16, Königstrasse (Tél. 90-841).

ÉGYPTE

ALEXANDRIE - 1, Rue Fouad 1er (Tél. 278-30).

LE CAIRE - 13, Rue Kasr el Nil (Tél. 23072).

ESPAGNE

BARCELONA - Paseo de Gracia 8-10 (Tél. 21-31-68).

GRANADA - Plaza del Général Franco 5 (Tél. 2303).

MADRID - Calle de Alcalá 23 (Tél. 21-11-58).

SEVILLA - Avenida José Antonio 12 (Tél. 25920).

FINLAND

HELSINKI - 19, Esplanaadikatu (Tél. 10515).

FRANCE

BORDEAUX - 28-30, Cours de l'Intendance (Tél. 48-30-27).

GRENOBLE - 53, Av. Alsace-Lorraine (Tél. 44-57-30).

LILLE - 78, Rue Nationale (Tél. 54-66-40).

LYON - Place Bellecour (Tél. Gaillon 53-25).

MARSEILLE - 67, La Canebière (Tél. Colbert 39-27).

NICE - 5, Promenade des Anglais (Tél. 829-84).

PARIS - 14, Bd des Capucines (Tél. Opéra 61-30).

2, Place de la Madeleine (Tél. Opéra 40-40).

91, Avenue des Champs-Élysées (Tél. Bal. 57-70).

STRASBOURG - 30, Place Kléber (Tél. 32-16-34).

TOULOUSE - 42 bis, Rue Alsace-Lorraine

(Tél. Capitole 15-71).

GREAT BRITAIN

ABERDEEN - 212 Union Street (Tél. 24961).

CARDIFF - 28, High Street (Tél. 22674).

EDINBURGH - 126 Princes Street (Tél. Central 7124).

GLASGOW - C.F. 83 Buchanan Street (Tél. Central 7505).

LEEDS 1, - 55 Boar Lane (Tél. 29071).

LEICESTER - Gallowtree Gate (Tél. 20260).

LIVERPOOL I - 75, Church Street (Tél. Royal 3845).

LONDON - W.1. 45 Berkeley Street, Piccadilly (Tél. Grosvenor 4000).

MANCHESTER 1 - 79, Market Street (Tél. Deansgate 3082).

NEWCASTLE-UPON-TYNE 1 - 2, Northumberland Street (Tél. 26403).

PLYMOUTH - Norwich Union Building, 9 Old Town Street (Tél. 4324).

READING - 15 Queen Victoria Street (Tél. 60784).

GREECE

ATHENAI - 7 Pl. de Constitution (Tél. 29-006).

THESSALONIKI - 1, Rue Venizelos (Tél. 47-46).

HOLLAND

AMSTERDAM - Vijgendam 10 (Tél. 65.511).

DEN HAAG (LA HAYE) - Hoogstraat 17 (Tél. 115-775).

ROTTERDAM - Schiedamsevest 56 (Tél. 112-500).

HUNGARIA

BUDAPEST VIII - Keleti p.u. (Gare de l'Est)
(Tél. 142.635).

INDIA

BOMBAY - D Naoroji Road (Tél. 26073).
MADRAS 4.S First Line Beach George Town
(Tél. 4411).

IRAQ

BAGHDAD - Al Rashid Street (Tél. 83.316).

IRELAND

DUBLIN - 118 Grafton Street (Tél. 71721).

ITALIE

FIRENZE - 21, via Tornabuoni (Tél. 20-001).
GENOVA 301 - Palazzo Hotel Columbia, via Balbi
(Tél. 67.051).
MILANO - 10 Via Monzoni (Tél. 877-641).
NAPOLI - 26 Via Nazario Sauro (Tél. 61.560).
PALERMO - via Generale Magliocco 31 (Tél 17.270).
ROMA - 17 Piazza San Silvestro (Tél. 687-641).
TORINO - 132 Piazza San Carlo (Tél. 553-334).
VENEZIA - 289 Piazzetta dei Leoncini (Tél. 23-405).

LEBANON

BEYROUTH - Rue Allenby (Tél. 20-358).

LUXEMBOURG

LUXEMBOURG - 76, Avenue de la Liberté
(Tél. 262-32).

MALAYA

SINGAPORE 1 - Rotterdam Building 39, Robinson
Road (Tél. 25161).

MAROC

CASABLANCA - 60, Rue de Foucauld
(Tél. 612-11).
RABAT - Angle Avenue Delcassé et Rue de la
République (Tél. 226.45).

MEXICO

MEXICO - Avenida Juarez 88
(Tél. Ericsson 12-82-19).

NEW ZEALAND

AUCKLAND C 1 New Zealand Insurance Co.
Building Queen Street (Tél. 30.093).
WELLINGTON - 143 a Featherstone Street
(Tél. 43.493).

NORWAY

OSLO - 26, Stortingsgaten (Tél. 33-48-80).

OESTERREICH

INNSBRUCK - 2, Brixnerstrasse (Tél. 3087).
WIEN - Kärntnerring, 5 (Tél. R. 22-535).

PERU

LIMA - 801, Jiron Union (Tél. 35.202).

POLAND

WARSAWA - 64, rue Nowy Swiat (Tél. 6-38-67).

PORTUGAL

LISBOA - Avenida da Liberdade 91 à 103
(Tél. 31.791).
PORTO - Palacio da Nacional, Praça da Liberdade
(Tél. 25040).

S. RHODESIA

SALISBURY - Stanley House, Stanley Avenue
(Tél. 20-331).

ROUMANIE

BUCURESTI - Calea Victoriei 25 (Tél. 5-54-10).

SOUTH AFRICA

CAPE TOWN - 30, Strand Street (Tél. 2-1311).

SUISSE

BALE (BASEL) - Centralbahnplatz, 7 (Tél. 22-88-20).
BERNE - Spitalgasse 2 (Tél. 2-73-31).
GENÈVE - Rue du Mont-Blanc, 4 (Tél. 32-60-23).
LAUSANNE - Avenue du Théâtre, 2 (Tél. 22-72-12).
ZURICH 23 - Bahnhofstrasse 42 (Tél. 23-87-36).

SWEDEN

STOCKHOLM - 29 Drottninggatan (Tél. 23-44-50).

SYRIA

ALEP - Rue Baron (B.P. 61) (Tél. 10306).

TUNISIA

TUNIS - 65, Avenue Jules-Ferry (Tél. 247-320).

TURKEY

ANKARA - Ziya Gökalp Caddesi 22, Yenisehir
(Tél. 29-892).
ISTANBUL - Istiklal Caddesi, 259, Beyoglu
(Tél. 49.480).

URUGUAY

MONTEVIDEO - Calle Sarandi 680 (Tél. 9-14-26).

U.S.A.

BALTIMORE 1 Md - 316 North Charles Street
(Tél. Vernon 7.3100).
BOSTON - 16 Mass. - 407 Boylston Street
(Tél. Copley 7.5000).
CHICAGO, 3 III - 37 South La Salle Street
(Tél. Financial 6.1188).
DETROIT-26, Mich - 1244 Washington Boulevard
(Tél. Woodward 1.6631).
LOS ANGELES 14 Calif. - 520, West Sixth Street
(Tél. Trinity 8545).
NEW YORK - 17 NY - 587 Fifth Avenue
(Tél. Murray Hill 8-4000).
PHILADELPHIA 3 Pa - 1610 Walnut Street
(Tél. Pennypacker 5-5840).
SAN FRANCISCO 8 Calif. - 318 Stockton Street
(Tél. Exbrook 2-2378).
WASHINGTON - 5 DC - 812 Fifteenth Street N.W.
(Tél. Republic 7-8555).

VENEZUELA

CARACAS - Espuina El Conde (Tél. 94-818).

YUGOSLAVIA

BEOGRAD - 1, Rue Kolarceva (Tél. 20-400).
ZAGREB - Republike Trg. 13 (Tél. 35-775).

NEWS OF THE NATIONAL SOCIETIES
NOUVELLES DES SOCIÉTÉS NATIONALES
NEUES DER GESELLSCHAFTEN IN EINZELNEN LÄNDERN

Société Belge de Pédologie

La Société Belge de Pédologie (Belgische Bodemkundige Vereniging), fondée à Bruxelles le 18 juillet 1950, a commencé cette année l'édition d'un Bulletin annuel sous le titre de PEDOLOGIE, contenant toutes les communications présentées à la tribune de la Société depuis sa fondation.

Jusqu'à présent 4 tomes, parus antérieurement sous forme stencillée, ont été imprimés:

PEDOLOGIE, I, 1951, 60 p (50 F B)

PEDOLOGIE, II, 1952, 40 p (50 F B)

PEDOLOGIE, III, 1953, 60 p (50 F B)

PEDOLOGIE, IV, 1954, 64 p (50 F B)

Le tome V (130 p) sortira de presse dans le courant du mois d'octobre 1957. Les tomes VI et VII sont également prêts à être publiés et paraîtront en fin d'année. Le prix d'abonnement annuel est fixé à partir du tome V à 200 F B pour la Belgique et le Congo belge et à 250 F B pour l'étranger.

Le secrétariat de PEDOLOGIE est établi à Gand, 6, Rozier.

Canadian Society of Soil Science.

The Canadian Society of Soil Science is now in its fourth year. The Third Annual Meeting was held at Vancouver, British Columbia June 1957, in conjunction with the Annual Convention of the Agricultural Institute of Canada.

The meeting was very well attended with one third of the 250 members present. There were three technical sessions to which a total of 25 papers were presented. The proceedings of that meeting are to be published and circulated to the Society's members. A few additional copies will be available on request from the secretary-treasurer.

The Canadian Journal of Soil Science, which will be published in February and August each year, has been designated the Society's official publication, — this journal is one of three new publications — replacing what was previously the Canadian Journal of Agricultural Science. Subscriptions to this Journal are \$ 2.00 in the Americas, and the British Commonwealth; \$ 2.50 for other countries. Correspondence should be addressed to Agricultural Institute of Canada, 176 Gloucester Street, Ottawa, Canada.

The council for 1957-58 has the following composition:

President: Dr A. J. MacLean, Chemistry Division, Science Service, Experimental Farm, Ottawa.

President-elect: Dr W. A. Ehrlich, Canada Department of Agriculture, University of Manitoba, Winnipeg.

Councillors: Eastern Canada — Roger Baril, Ste. Anne de la Pocatiere, Cte Kamouraska, P.Q.

Western Canada — W. C. Bowser, Canada Department of Agriculture, Department of Soils, University of Alberta, Edmonton.

Secretary-Treasurer (appointed by Council) — D. A. Rennie, Department of Soil Science, University of Saskatchewan, Saskatoon.

Società Italiana della Scienza del Suolo.

Au commencement du 1957, a paru en Italie „Agrochimica”, une revue internationale de chimie végétale, pédologie et fertilisation du sol. Cette revue est publiée à Pise sous les auspices de l'Institut de Chimie Agricole de L'Université, les Professeurs O. Rotini et A. Malquori comme rédacteurs.

Dans les jours 7 et 8 mai 1957, un symposium a eu lieu à Pise, auprès de la Faculté d'Agriculture sur les argiles et sur les terrains argileux, avec la participation de nombreux spécialistes étrangers et italiens, qui ont préventé des communications qui paraîtront dans „Agrochimica”.

Society of the Science of Soil and Manure of Japan.

Dr Keizo Hirai, Professor at Kyushu University and President of the National Society, passed away at Frankfurt am Main on September 20th 1956, on his way home from Paris where he attended the VI Congress of I.S.S.S. Prof. Dr. Akio Fujiwara has succeeded the President. The late Prof. Dr. Keizo Hirai (1897—1956) was an eminent pioneer in the field of micro-elements in plant nutrition.

Prof. Dr Matsusaburo Shioiri, the former President of the Society, was elected to the Japan Academy in March, 1957.

Dr D. E. Grim, Professor at Illinois University, was welcomed. He delivered for the Society a lecture on clay minerals, at the University of Tokyo on March 2, 1957.

The Annual Meeting of the Society was held on April 7—9, in Tokyo. Papers as many as 245 were read during the Meeting. Prize of this year were awarded to Dr. Zenzaburo Kasai of Kyoto University (Behaviors of Inorganic Nutrients Absorbed by Plants) and to Dr Seiichi Sasaki of Hokkaido University (Weathering Processes of Soils in Hokkaido).

It is regretted that the effort to invite Chinese representatives from the Continent to the Meeting has been frustrated by the legal difficulty of their entry in Japan. Dr Arao Itano, former Vice-president of the Society, and now a high research official at Peiping, attended the 2nd Congress of the Chinese Soil Science Society held at Nanking on December 1—8, 1956. He was welcomed as an international friend.

The European (mostly English) language quarterly SOIL AND PLANT FOOD has been published since May 1955. From the next volume 3 on, it will contain the English summaries of the Japanese papers published in the NIPPON DOJOHIRYOGAKU ZASSHI (Journal of the Science of Soil and Manure, Japan) in addition to original papers. Maruzen Co. Ltd., P.O. Box 605, Tokyo Central, Tokyo, is the sales agent. An increase of the circulation is hoped for.

Members of the National Society increased to 1,992.

New Zealand Society of Soil Science.

Second Conference.

The Second Conference of the New Zealand Society of Soil Science was held at Lincoln College in November, 1956. The programme included two days papers and a day excursion into the Canterbury high country. The papers were mainly grouped into three symposia: Soil and pasture production in Canterbury, Pedological problems of the South Island, and Soil Moisture. In addition Mr. R. E. R. Grimmett gave his Presidential Address on "The Challenge to Soil Science", Mr. N. H. Taylor spoke on "Soil Science in the Soviet Union" and Dr. H. O. Askew on "Some aspects of Molybdenum".

The Proceedings of the Conference have been printed and are available from the Secretary, Soil Bureau, 54 Molesworth St., Wellington, N.1, New Zealand, price 4/-.

Council:

The following Council has been elected for the period 1956—1958:

- President : Dr. J. K. Dixon, Soil Bureau, Wellington.
Vice-President: Prof. T. W. Walker, Lincoln College, Christchurch.
Past President: Mr. R. E. R. Grimmett, Rukuhia Soil Research Station, Hamilton.
Secretary-Treasurer : Dr R. B. Miller, Soil Bureau, Wellington.
Council Members : Mr. D. A. Campbell, Soil Conservation Council, Wellington.
Mr. H. S. Gibbs, Soil Bureau, Wellington.
Mr. R. H. Scott, Department of Agriculture, Wellington.
Mr. N. H. Taylor, Soil Bureau, Wellington, (Representative on ISSS Council and International Nomenclature Committee).

Skandinavische Regionale Gruppe

Von den 40 Skandinavischen Mitgliedern der Internationalen Bodenkundlichen Gesellschaft ist Prof. Dr J. Låg, Direktor des Bodenkundlichen Institutes, Landwirtschaftliche Hochschule, Vollebakk, Norwegen, als Vertreter der skandinavischen regionalen Gruppe gewählt.

All Union Soil Science Society of the USSR

President : Prof. Dr Sc. I. V. TIURIN, academician.

Vice-president: Prof. Dr S. V. ZONN, D. Sc.

Secretary : V. M. Fridland, Cand. of Sc.

On February 1st the Society numbered approximately 1200 members and the quantity of members is increasing.

40 Provincial departments of the Society are organized and now in action.

There are VII commissions in the Society.

Ist commission (Soil physics), chairman: Prof. A. A. RODE.

IInd commission (Soil chemistry), chairman: Prof. I. N. ANTIPOV-KARATAEV.

IIIrd commission (Soil biology), chairman: Prof. E. N. MISHUSTIN.

IVth commission (Soil fertility), chairman: Prof. O. K. KEDROV-ZICHMAN and A. V. SOKOLOV.

Vth commission (Soil genesis, classification and cartography), chairman: Prof. I. V. TIURIN.

VIth commission (Soil amelioration) with 3 sections:

1. Section of soil amelioration, chairman: Prof. A. N. ROZANOV.

2. Section of Soil conservation, chairman: Prof. S. S. SOBOLEV.

3. The peat section, chairman: Prof. N. J. KATZ.

VIIth commission (Soil mineralogy), chairman: Prof. N. I. GORBUNOV.

FORTHCOMING INTERNATIONAL CONGRESSES OF ALLIED SCIENCES PROCHAINES CONGRES INTERNATIONAUX DE SCIENCES CONNEXES - ZUKÜNFTIGE INTERNATIONALE KONGRESSE VON VERWANDTEN WISSENSCHAFTEN

IX International Botanical Congress.

The Ninth International Botanical Congress will be held in Montreal, Canada, from August 19th to 29th 1959, at McGill University and the University of Montreal. The program will include papers and symposia related to all branches of pure and applied botany. A first circular giving information on program, accommodation, excursions, and other detail will be available early in 1958. This circular and subsequent circulars including application forms will be sent only to those who write to the Secretary-General asking to be placed on the Congress mailing list:

Dr C. Frankton, Secretary-General
IX International Botanical Congress
Science Service Building
OTTAWA, Ontario
Canada.

MISCELLANEOUS NEWS — INFORMATIONS DIVERSES — VERMISCHTE MITTEILUNGEN

The first southeast Asia Soil Science Conference

The Soil Science Society of the Philippines will play host to soil scientists of Southeast Asia. The first Southeast Asia soil conference will be held in Manila from December 9th to December 22nd 1957. Headquarters will be at the Bureau of Soils, Manila.

Although primarily a soil science conference of Southeast Asian countries, the event is expected to draw participants and observers from countries of Europe, South America, Middle East and Africa. Replies from soil scientists from the following countries have been received: India, United States of America, Japan, Queensland and Taiwan.

This first Soil Science Conference in Manila will be dedicated to the advancement of knowledge in tropical soils by fostering active cooperation particularly among soil scientists in Southeast Asia in solving common problems involving management of tropical soils, by exchange of publications of research information and technical men; and to promote researches that tend to increase the productive capacity of soils in relation to agricultural, industrial and socio-economic development of the Southeast Asian countries. Emphasis will be on the role of the soil and the soil scientist in improving agricultural production by showing the importance of research in soils along with other sciences like chemistry, physics, clay mineralogy, microbiology, antibiotics, botany, plant physiology and others in hastening the agricultural and industrial development of all countries.

Chairmen of the organizing committee of this year's soil conference are Dr Ricardo T. Marfori, and Mr Ramon Samaniego, President and Vice-President respectively of the Soil Science Society of the Philippines. The Secretary-General is Mr Iluminado G. Valencia, Division Chairman on Soil Physics and Mechanics.

The theme of the Conference will be "The Importance of Soil Research in the Agricultural Development of the Southeast Asian Countries". All soil scientists from Southeast Asia and around the world and persons interested in soils are welcome to attend whether or not they represent associations, business firms, colleges or their governments.

SCIENTIFIC AND TECHNICAL TRANSLATING

New Publication* in Unesco's "Documentation and Terminology of Science" Series

At least half the scientific literature of the world cannot be read by more than half the scientists, because of language differences. Giving that glimpse of the enormity of the problem, a new Unesco book tells what strenuous effort is being made and what more might be done to surmount the language obstacles in spreading scientific knowledge.

The every-day problems and experiences in the translation of scientific papers, with the manifold intricacies of words, form a main part of the book, "Scientific and Technical Translating."

There are sections on the special problems that arise in reference to Russian, Chinese and Japanese. The book also discusses speculative ideas of concentrating on or adapting existing languages for universal use, or using "constructed" ones such as Esperanto and Interlingua.

However, the book makes it clear that Unesco has not yet taken up any position on controversial proposals and formulas in this field, and that this fourth volume in the Unesco series, **Documentation and Terminology of Science**, authorized by the Unesco General Conference, is written to bring a focussed light to bear on them and to stimulate discussion so that progress can be made.

The book represents a collaboration by more than 200 persons of 21 countries. Three sub-editors, French, Italian, British, under contract to the Unesco Secretariat, consulted in various ways 15 French, 53 Italian and 34 British experts, and further collaboration around the world was obtained. The result is a 282-page volume that gives a startling picture of the brain-taxing job being done by scientific translators everywhere and by the international, national, educational and commercial organizations striving to help put knowledge from one language into others.

Individual chapters of the book deal with the following subjects: quantitative appraisal of the translations problem, qualitative aspects of translating; methods and organizations for translating and for making translations available; language learning for scientists; the possible use of languages internationally understood; and terminology and lexicography.

* "Scientific and Technical Translating and other Aspects of the Language Problem." Documentation and Terminology of Science. Unesco, Paris. \$ 4.00; 20/-; 1,000 frs.

OBITUARY — NECROLOGIE — NEKROLOGIE

Dr Robert L. Pendleton † (1890—1957)

The ranks of specialists in tropical soil science suffered a severe loss through the death of Dr Robert L. Pendleton on the 23rd of June 1957 in Bangkok (Thailand). The Ministry of Agriculture and the Thai-friends of our deceased colleague arranged his cremation with Buddhist rites at Monkut Kasatr Temple. The cremation was preceded by a Christian service on part of his American friends.

A life fully devoted to tropical soil science has come to a close. Our Honorary Member, Professor Dr E. C. J. Mohr, Doyen of the Tropical Soil Scientists, who has known Dr Pendleton rather intimately writes: "With unwearying energy Dr Pendleton devoted himself during more than four decades to the study of the soil in the field of many tropical countries. He was a very keen observer and the records of his observations as published in numerous papers have greatly contributed to making available fundamental data to the numerous students of tropical soils. Personally, writes Dr Mohr, I am indebted to him for the totally disinterested work of translating two textbooks of mine from dutch into english. I feel his death as a serious loss, notably because Dr Pendleton not only put his keen intellect but also his heart into his work".

The Principle of the Isaiah Bowman School of Geography, John Hopkins University, sent us the following note:

Robert Larimore Pendelton, Knight Commander, Order of the Crown of Thailand, holder of the David Livingstone Gold Medal of the Hispanic Society of America awarded by the American Geographical Society and one of the most distinguished of Americans was known to hundreds of friends throughout the world as "Popsie". The nickname was not incongruous. It expressed the friendliness and humility of a great man, and the affection his character inspired in his friends. No one would pick him out of a crowd for his commanding presence. He was quiet, self effacing, deprecatory, a small plump man with a twinkle in his eye. He often referred to himself as "Just a tropical tramp". Would that another such tramp would knock on our door!

Pendleton was born in Minneapolis, Minnesota in 1890 but he referred to New England as his ancestral home. He grew up in California and received his degrees at the University of California at Berkeley. As an undergraduate he was early referred to as a promising young botanist, but both his degrees were in soil science. In the three years between his A. B. and his PhD. he did the work that resulted in junior authorship of four soil surveys and one original paper critical of soil classification. This was early promise of the great productivity that was to mark his life time and result in a bibliography of more than 160 items.

After receiving his PhD Pendleton went to India as an instructor in soils in Ewing Christian College, and stayed in India until 1923 as Director of Agriculture of Gwalior State. This gave him his start in tropical soils and agriculture and his first insight into the complex interrelationships between native custom, political system, and productivity. He came away from his Indian experience interested in laterites, and tropical soil processes. The years in India were relatively unproductive of publications, though the experience gained there was to enrich many future papers.

His next post was in the Phillipines where he remained from 1923 to 1935. There was a productive two year interim, 1931—1933 as Chief Soil Technologist, National Geological Survey, China. About fifteen papers resulted from this work. The Phillipine years produced a flood of papers, 50 in all. At first things went well under the direction of Dr. Charles F. Baker, but later working conditions deteriorated and it was with relief that Pendleton accepted an invitation to go to Siam as a Soil Technologist and Agriculturist, in the Royal Department of Agriculture and Fisheries.

Siam became home, Pendleton loved the land and the people and the affection was returned. Pendleton continued his active life of travel to scientific conferences, voluminous correspondence, translation of important works of which the most notable was his translation of E. C. J. Mohr's "Tropical Soil Forming Processes and the Development of Tropical Soils." The war overtook Pendleton and he was interned, but eventually "Gripsholmed" to America in 1942. Here he was employed by the Office of Foreign Agricultural Relations in the U.S.D.A. and worked extensively in Central America and Peru.

In his varied activities he had crossed the path of Isiah Bowman who was greatly impressed with Pendleton's vast knowledge of land and people. In 1946 Bowman appointed Pendleton to the new department of Geography at Johns Hopkins. It was typical of Pendleton's modesty that he was always apologetic of his "posing" as a geographer.

Baltimore was never home. That was Siam. He returned as Advisor to the Ministry of Agriculture of Siam for four months in 1946, as agricultural Advisor to the U. N. Food and Agriculture Mission to Siam in 1947—48, as Soil Scientist Special Technical and Economic Mission to Thailand, U. S. Mutual Security Agency 1952—53. Finally, after his retirement from Hopkins he returned home to spend his last days in the land and with the people that he had come to love. He was the finest kind of representative of America. The Siamese said of him: "As long as America sends us Pendletons, our friendship can never waver." His friends throughout the world will be glad to know that the manuscript of his book on his beloved Siam is in the hands of the American Geographical Society and will be published soon.

Pendleton's life was characterized by an outpouring of energy. His bibliography contains 160 items*. One item is headed: "Reviews of thirteen books". He was a voluminous letter writer. Ten or twenty letters a day to all parts of the world were quite common. He was an early riser and was often at work before some of the graduate students, who burned the candle at the other end had gone to bed. He was generous with his time, advice, money. He belonged to a long list of learned societies, partly out of interest and partly out of a sense of duty to support such societies. One of the few times that I ever heard him speak sharply, was when a student was making quite a point of not belonging to learned societies.

He attended as many international conferences as it was possible for him to reach. At these he attended meetings, took notes, served as recorder and worked on committees. Where ever he went his camera and his note-book went with him. He took pictures in quantity, from the train, from the plane, anywhere and everywhere. Notes were made on every picture. When he was back at his base, all the negatives were placed in numbered envelopes, a contact print of each picture went into a notebook, and the careful notes made in the field were entered in this book under the picture. Over the years this picture record came to over China, the Philippines, Siam, India, Central America and Peru, the Belgian Congo, Brazil and of course much of the United States. This voluminous documented record has been drawn upon by many. It was his wish that this record be preserved and placed where it would be of the greatest use to the greatest number of people. We jointly decided that the best repository would be the American Geographical Society.

Pendleton was known for his work on laterites. This intriguing material had become confused with soil process. Pendleton insisted on a return to Buchanan's original meaning: Laterite is the iron rich, brick-like material often found in the tropics. In later years he came to view it as a product of normal soil processes, simply a special form of the accumulation of iron in the B horizon of soils.

He had strong feelings about the right way and the wrong way to work abroad. This found expression in such papers as "Some Observations on Agricultural Education and Research in Southeastern Asia", and "Some Reflections on Soils and Agricultural Education in Low Latitudes". He felt that American scholars stayed abroad too briefly. People should go to the country and stay for a period of a few years, not just pop in and out again. He felt strongly that fewer foreign students should be sent to the Western nations for education, and that much more education should be done in the undeveloped countries by skilled men sent to the country. In this way the trained man could see to what extent his training was applicable to the particular land and people. Dr. Pendleton and Dr. Love collaborated in 1952 and 1953 on a program of training Siamese in modern agricultural field research techniques applied to rice growing. He considered this an example of the best kind of effort to aid other nations. Much of the reckless expenditure of Foreign Aid money is positively harmful both to the givers and the receivers.

* Reprints of Dr Pendleton's last paper on soils, in collaboration with Dr George F. Carter, which has the title "The humid soil: process and time", are available on application to Dr Carter, Isiah Bowman School of Geography, John Hopkins University, Baltimore 18, Maryland, U.S.A.

Pendleton wrote a number of papers on the potentialities of the tropics, and in general was on the pessimistic side. Tropical soils he had found generally to be poor. For the Amazon he liked to quote an explorer's report: "There is nothing up the Amazon except the banks." He often said: "What much of the tropical areas need is a good case of erosion." This shocker always attracted attention and gave him a chance to talk of the ancient, weathered, dead residue covering much of the humid tropics.

Pendleton was a many sided man with a strong social conscience; an inheritance from a family that also produced medical missionaries. He was a center of strength and of sage advice and wise counsel to men throughout the world as well as to us at Hopkins. His published work is a monument to his energy and ability. Those of us fortunate to have known him realize that his personal influence was equally monumental.

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