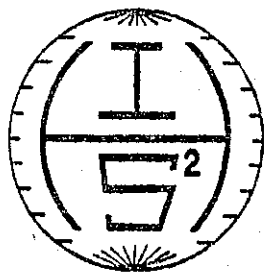


IHSS COMMUNICATIONS

number 5
April 1989



INTERNATIONAL HUMIC
SUBSTANCES SOCIETY

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4th INTERNATIONAL MEETING OF THE INTERNATIONAL HUMIC
SUBSTANCES SOCIETY

The 4th IHSS meeting held at Matalacañas, Spain, from October 3-7 1988 was a great success. The meeting was attended by 157 delegates, representing 26 countries. Presentations covered the following themes:

- Nuclear Magnetic Resonance
- New methods and techniques in humus chemistry
- Aquatic humic substances
- Humic substances and health
- Humic substances and soil fertility
- Composts

Over 40 oral communications were presented, and more than 100 posters were displayed, most of them of excellent quality. The social programs also were a great success thanks to the unrelenting efforts of the Organizing Committee.

On the last day of the Congress a Business meeting was held. At this meeting the chairman informed members that as from October 6 1988 the IHSS Board of directors had the following composition:

president	Roger S. Swift
vice-president	Russell F. Christman
secretary	Simon A. Visser
treasurer	Patrick MacCarthy
board member	Hamish Anderson
board member	Royshi Ishiwatari

The members now leaving the board (Dr. Paolo Sequi, Dr. Shozo Kuwatsuka and Mr. Wesley L. Campbell) were thanked by general acclamation for their services to the Society. Mr. Campbell will be continuing as Chairman of the Standard and Reference Sample Committee.

It was announced that the present membership fee of US \$10 would be maintained for another year. In view of the small amount involved, and in order to reduce the costs on exchange and postage, members were urged to pay their dues in advance for a period of up to 4 years. This would have the additional advantage that any future increase in subscription fee will not affect the period for which the member has already paid.

It was proposed and approved by general acclamation that in recognition of his major contributions to our knowledge of

humic substances, Dr.F.J.Stevenson will be offered an Honorary Membership of the International Humic Substances Society. This brings the number of honorary members up to three (Drs W.Flaig, M.Schnitzer and F.J.Stevenson).

As the Board wishes to revive the IHSS Newsletter, the secretary urged all members to furnish him regularly with relevant material such as information on past and future meetings of national chapters and of related societies, information on recent publications, short communications, general comments etc.

The chairman announced that the Board had provisionally accepted the offer from Japanese members to organize the 1990 meeting in Tokyo. After some discussion it was decided that the 5th International IHSS meeting would be held in conjunction with the 14th International Congress of Soil Science (August 12-18 1990, Kyoto, Japan).

The chairman also announced that members from Finland had offered to act as host for the 6th International IHSS meeting in 1992. Until a firm decision has been taken as to the definite host country, other offers will also be considered. Please submit any suggestions to the president or the secretary.

As the bylaws of the Society provide for the establishment of national chapters, the chairman recommended that where numbers warrant this, local chapters should be formed in order to increase contact between members.

5th INTERNATIONAL MEETING OF THE IHSS IN JAPAN

The Japanese organizing committee has proposed to hold the meeting at Nagoya from August 5-10 1990, followed by a two day field trip on August 11 and 12. A formal first announcement by the organizing committee can be expected in June.

OTHER FORTHCOMING CONFERENCES

International Symposium on Peat/Peatland Characteristics and Uses, Bemidji, Minnesota, U.S.A., May 16-19 1989.

Information: Center of Environmental Studies, Bemidji State University, 1500 Birchmont Drive N.E., BEMIDJI, MN 56601-2699, U.S.A.

International Symposium on Humic Substances in the Aquatic and Terrestrial Environment, Linköping, Sweden, August 21-23 1989.

The following themes will be discussed:

- Isolation, fractionation and characterization of humic substances
- Biological and chemical transformation and degradation of humic substances
- Complex formation and interaction with solids
- Biological activity of humic substances
- By-products in water treatment

Information: Dr.H.Borén, Dept of Water and Environmental Studies, Linköping University, S-58183 LINKÖPING, Sweden.

Application of C13-NMR to Agricultural Problems

The American Chemical Society will organize a meeting on the above topic in Miami, Florida, in September 1989.

Information: Dr.P.Hatcher, U.S.Geological Survey, 923 National Center, 22092 RESTON. Tel. (703) 648-6275.

14th International Congress of Soil Science, Kyoto, Japan, August 12-18 1990.

Information: Dr.K.Kumazawa, Japanese Society of Soil Science and Plant Nutrition, 26-10-202 Hongo 6-chome, Bunkyo-ku, TOKYO 113, Japan.

PUBLICATIONS BY THE INTERNATIONAL HUMIC SUBSTANCES SOCIETY

The following is an up-to-date list of present or forthcoming IHSS publications, their availability and their cost:

1. AIKEN, G.R., D.M. McKNIGHT, R.L. WERSHAW and P. MacCARTHY (editors): Humic Substances in Soil, Sediment and Water: I. Geochemistry, Isolation, and Characterization. Wiley Interscience, New York 1985, 692 pages. Price \$50 to members, \$75 to non-members.

2. Proceedings of the 1st Meeting of the International Humic Substances Society, Estes Park, Colorado, August 1983. Special issue of Organic Geochemistry, volume 8, no.1, 1985, 146 pages. Available only from Organic Geochemistry, Pergamon Press, Headington Hill Hall, Oxford, England OX3 0BW.

3. HAYES, M.H.B. and R.S. SWIFT (editors): Volunteered Papers of the 2nd International Conference of the International Humic Substances Society (Birmingham 1984). University of Birmingham Press 1985, 277 pages.
Price \$15 to members, \$25 to non-members.

4. BECHER, G. (editor): Collection of Volunteered Papers from the Third International Meeting of the International Humic Substances Society (Oslo, Norway, August 4-8 1987). Special issue of The Science of the Total Environment, volume 62, April 1987, 505 pages
Price \$40 to members, \$50 to non-members.

5. SUFFET, M. and P. MacCARTHY (editors): Aquatic Humic Substances -- Influence on Fate and Treatment of Pollutants. Proceedings of the Joint American Chemical Society - IHSS Symposium, Denver, Colorado, April 5-10 1987. Advances in Chemistry Series # 219, American Chemical Society, Washington, D.C., 864 pages.
Volume available from the American Chemical Society, Washington, D.C. Price \$110.

6. HAYES, M.H.B., P. MacCARTHY, R. SWIFT and R. MALCOLM (editors): Humic Substances in Soil, Sediment and Water: II. In Search of Structure. The manuscript for this book is presently with the publisher.

7. Proceedings of the Joint American Society of Agronomy - IHSS Symposium, Chicago, December 2 1985. The complete manuscript will be sent to the publisher very shortly.

NEW PUBLICATIONS

FRIMMEL, F.H. and R.F. CHRISTMAN (editors): Humic Substances and their Role in the Environment. Dahlem Workshop Reports, Life Sciences Research Report 41, Wiley & Sons, New York 1988, 271 pages.

The book contains background papers and discussion group reports from a Dahlem Workshop on humic substances and their role in the environment, held in Berlin, March 29-April 3, 1987, and at which 46 scientists from 11 countries participated. Themes discussed include:

-Critical evaluation of methods used for the isolation of soil and aquatic humic substances (2 papers +1 report)

-Review of the main pathways for the formation of humic substances (4 papers +1 report)

-Evaluation of degradation techniques and the validity of current structural models (2 papers +1 report)

-Analysis of environmental reactions and processes controlled or affected by humic substances (4 papers +1 report).

Updated Catalogue on Drinking Water Research and Development in the Nordic Countries 1988. NORDFORSK (Nordic Co-operative Organization for Applied Research).

A summary is given of research on drinking water in Denmark, Finland, Sweden and Norway.

Copies from: Dr.Egil Gjessing, Norwegian Institute for Water Research NIVA, P.O.Box 33, Blindern, N-0313 OSLO 3, Norway.

SOCIETY MEMBERSHIP

By the end of 1988 the Society had 426 members from 32 countries The distribution was as follows:

Argentina(4), Australia(10), Belgium(1), Brazil(2), Canada(32), China(4), Czechoslovakia(3), Denmark(2), Fed.Rep.Germany(21), Finland(6), France(19), Great Britain(18), India(3), Ireland(1), Israel(4), Italy(19), Japan(30), Lebanon(2), Namibia(1), Netherlands(3), New Zealand(4), Norway(8), Pakistan(1), Philipines(2), Portugal(3), Spain(11), Sweden(4), Switzerland(5), Trinidad (1), Tunesia(1), U.S.A.(200), Venezuela(1).

An up-to-date membership list is expected to be ready for distribution by the middle of 1989.

STANDARD AND REFERENCE HUMIC AND FULVIC ACIDS AND BULK SOURCE MATERIALS AVAILABLE FROM THE INTERNATIONAL HUMIC SUBSTANCES SOCIETY

A. STANDARD SAMPLES

Standard fulvic and humic acid samples satisfy the following criteria:

1.The sample must have come from a site specifically designated by the IHSS for this purpose.

2. The sample must have been prepared according to a specific procedure designated by the IHSS.
3. The operations involved in (1) and (2) must have been conducted under the direct supervision of the IHSS.
4. The sample must have been designated as a standard by the IHSS.

The fulvic and humic acid standards can be purchased in 100mg quantities only, and are limited to 100mg of each standard per year to each purchaser at the listed price. The standard material should be used only as an analytical standard, and is not intended to be used for regular experimental purposes. Hopefully, the present stock will last for at least 25 years.

B. REFERENCE SAMPLES

Reference fulvic and humic acid samples do not satisfy one or more of the criteria listed for the standard samples, but meet both of the following conditions:

1. The sample has been prepared from a clearly designated source material, and its preparation must have been described in detail.
2. The material has been homogenized by the IHSS, and must be distributed by the IHSS.

The majority of the present reference samples were extracted from the same material from which the standard humic and fulvic acids were extracted. Upon depletion of the existing supply of reference material, another batch of humic and fulvic acids will be prepared from the existing stock of bulk source material (see section C). All reference samples are expected to be similar but not necessarily identical to the original standard or reference material. In other words, the reference sample may change slightly in composition with time as new batches are prepared, whereas the standard material comes from a constant, one-batch, large amount, long-term entity.

C. BULK SOURCE MATERIAL

Bulk source material was conceived to be used primarily for the evaluation of future, updated or advanced standard extraction procedures for humic and fulvic acids.

A compilation of characterization data accumulated on the standard and reference samples, as well as on the bulk samples will be furnished to each purchaser. In order for the IHSS to accomplish the goals for which these sets of samples were intended, it is expected that users will provide the IHSS with preprints or reprints of all publications relating to the use of these materials. The Society intends to periodically update the compilation of data furnished to purchasers.

PRICE LIST

STANDARD SAMPLES

origin	FULVIC ACID		HUMIC ACID	
	code	price per 100mg	code	price per 100mg
Suwannee river	1S101F	\$150	1S101H	\$150
Soil	1S102F	\$150	1S102H	\$ 40
Peat	1S103F	\$150	1S103H	\$ 25
Leonardite	-	-	1S104H	\$ 25
Nordic aquatic env.	-	-	-	-
Summit Hill soil	-	-	-	-

REFERENCE SAMPLES

origin	FULVIC ACID		HUMIC ACID	
	code	price per 100mg	code	price per 100mg
Suwannee river	1R101F	\$150	1R101H	\$150
Soil	1R102F	\$150	1R102H	\$ 40
Peat	1R103F	\$150	1R103H	\$ 25
Leonardite	-	-	1R104H	\$ 25
Nordic aquatic env.	-	-	1R105H	\$150
Summit Hill soil	-	-	1R106H	\$ 40

BULK SOURCE MATERIAL

origin	code	price per 500g
Elliot silt loam soil (Joliet, Ill.-Mollic horizon)	BS102M	\$50
Pahokee peat (Ocachobee, Fla)	BS103P	\$50
Gascoyne leonardite (Gascoyne, N.D.)	BS104L	\$50

Orders should be sent to:
Dr. Patrick MacCarthy

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