



DECEMBER 1989

NEWSLETTER OF THE INTERNATIONAL WEED SCIENCE SOCIETY

President's Column

Challenges of International Weed Science

George H. Friesen, President, IWSS

Challenges in any field of international endeavor occur from time to time, and the field of weed science is no exception. When the International Weed Science Society was founded in 1975, the major challenge was to solicit memberships from all regions of the world and to identify the objectives of the society. During the early eighties, the challenge was to keep the society active and to find ways of strengthening its global outreach. Weed scientists in countries with "soft" currencies found it difficult to become active members and pay their annual fees in "hard" currency. For similar reasons, international conferences were difficult to organize as weed scientists from "soft" currency countries could not participate and scientists from "hard" currency countries were already preoccupied with national and regional conferences.

The above challenges remain today and our goal in the next few years will be to reorganize the society in such a way as to allow greater involvement and input from weed scientists in "soft" currency countries. A novel concept has come from our colleagues in Australia, who have suggested that national or regional weed societies collect and disperse annual fees on behalf of the IWSS. No conversion to "hard" currency would thus be required and annual fees could be set at a level that all weed scientists in those countries could afford. The funds collected by regional or national societies

could be used locally to translate the newsletter into national languages, cover local printing costs, mailing the newsletter to the local members, and possibly to send delegates to international conferences. They may even wish to host an international symposium or conference and thus use their own funds for some of the local arrangement costs. If the above concept were adopted, then little or no funds would leave "soft" currency countries and all weed scientists, regardless of where they live, could become active members of the IWSS.

Another challenge facing IWSS now is the 1st International Weed Control Congress scheduled for Melbourne, Australia, February 17-21, 1992. Although planning is well underway, and the program looks exciting, the challenge is to ensure that many scientists from "soft" currency countries are able to attend. Negotiations are presently underway with the governments of Australia and the state of

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Victoria to provide financial assistance to some delegates, particularly those from the third world. For more information, potential delegates from these countries should write to the Congress Secretariat as soon as possible.

Another possible source of travel assistance may be the International Development Research Centre (IDRC) in Ottawa, Canada. Applications for such assistance should be submitted as soon as possible so that applications can be processed well in advance of the congress. Contact your nearest IDRC office, or write directly to IDRC, P.O. Box 8500, Ottawa, Canada, K1G 3H9. I wish all of you success in obtaining travel approval and assistance and hope to see you all in Melbourne in February, 1992.

Response to Questionnaire

Response from IWSS members to the questionnaire insert in the June 1989 newsletter has been overwhelming, with replies from 28 countries. Over 95% of the respondents wished to renew their membership in IWSS and thus receive the newsletter on a regular basis. Comments regarding the newsletter were most favorable as readers found it informative and useful. It appears that a newsletter is vital to the existence of any society. Indeed, a significant number of members indicated that they would like to receive the newsletter on a quarterly basis, even if such frequency necessitates an increase in annual fees.

Many suggestions for improving future newsletters were included in the completed questionnaire. Some of the more significant suggestions were as follows:

- ▼ include lists of new books, publications, conference proceedings, I.D. guides, etc. and where they can be obtained;

- ▼ provide a section on career opportunities, post-graduate assistantships and fellowships, job vacancies, positions sought, etc., particularly those pertaining to international activities;

- ▼ provide information on opportunities for scientific exchanges between countries and regions, and on cooperative research programs in third world countries;

- ▼ include more information on increasing weed problems, potential threats from noxious weeds, herbicide resistance, etc., to assist in organizing international committees to address these issues;

- ▼ cover and report more about weed science activities in countries and regions outside major industrial areas;

- ▼ information on retiring colleagues, awards, new positions, or transfers, etc.;

- ▼ publish a directory of world weed science professionals, or at least an IWSS membership directory;

- ▼ more information on new strategies for weed management, status of mycoherbicide research and their prospects, biological control methods, etc.;

- ▼ include special features on regional or national societies, listing their officers, frequency of meetings, memberships, focus or objectives, etc.

The above is only a partial list, but it gives some indication of the importance of a newsletter on a regular basis. To provide this information, the editor requires correspondence in all regions of the world and someone who will commit themselves to submitting information from their region. The editor hereby invites all regional and national societies to appoint or elect an individual to keep the editor informed on topics of interest to our readers.

I would like to thank all those members who took the time and effort to complete and return the questionnaire and for the many valuable comments and suggestions.

Journal Donations and Distribution

In response to the June 1989 IWSS Newsletter, information has been received from the Coordinator, AAAS Journal Distribution Program, in regard to assistance in the contribution and distribution of journals to strengthen libraries served by their program. The AAAS will identify an appropriate institution in sub-Saharan Africa if the donor will:

1. Inventory the materials to be donated so that the recipient institution can be offered the collection.
2. Pack and label the cartons for shipment.
3. Send the cartons to the Smithsonian Institute Office of Publications Exchange, which will then ship the boxes to Africa by surface mail free of charge. Inquiries should be made to Ms. Lavey at (202) 326-6634.
4. Above applies to U.S. citizens only.

IWSS Board of Directors Named

The following members of regional weed science societies have been confirmed as members to serve on the Board of Directors, IWSS, effective January 1, 1990:

- European Weed Research Society (EWRS)
Dr. Gareth Williams
West of Scotland Agricultural College
Auchincruive
Ayr KA6 5HW, UNITED KINGDOM
- Weed Science Society of America (WSSA)
Dr. Robert D. Williams
Chairman, WSSA Int. Affairs Comm.
Water Quality & Watershed Research
USDA-ARS
P.O. Box 1430
Durant, OK 74702 USA
- Assoc. Latinamericana de Malezas (ALAM)
Dr. Cilia L. Fuentes
Universidad Nacional de Colombia
Facultad de Agronomia, A.A. 14490

Bogota, Colombia, S.A.

West Africa Weed Science Society (WAWSS)
Dr. I.O. Akobundu
IITA
P.M.B. 5320
Ibadan, NIGERIA

Weed Science Soc. of East Africa (WSSEA)
Dr. R. Michieka
Dept. of Crop Science
Kabete Campur
P.O. Box 30197
Nairobi, KENYA

Asia-Pacific Weed Science Society (APWSS)
Dr. John Swarbrick
Queensland Agric. College
Dept. of Plant Protection
Lawes (Gatton), Queensland 4343
AUSTRALIA

FAO Weed Control Specialist
Vacant

In Memory *Dr. Beatriz L. Mercado*

Dr. Beatriz Lantican-Mercado, professor of weed science and agronomy at the University of the Philippines at Los Banos (UPLB) died of cancer on February 22, 1988 at the age of 46. Dr. Mercado will be remembered for her outstanding contributions to national and international weed science research and teaching. She was president of the Weed Science Society of the Philippines (1977-79), and the Asian-Pacific Weed Science Society (1981-83), editor of the Philippine Journal of Weed Science (1974-75), was APWSS secretary from 1983 until the time of her death, and was a member of the FAO Panel of Experts on Integrated Weed Management. She was also editor of the Philippine Agriculturalist, the official journal of the UPLB College of Agriculture, and Research Coordinator for the same institution.

Dr. Mercado was born on April 18, 1941 in Los Banos, Laguna, Philippines. She

received the B.S. (cum laude, 1960) and M.S. (1964) from the University of the Philippines and the Ph.D. (1967) from the University of Iowa. She married Dr. Bonifacio T. Mercado, a professor of botany at the UPLB, in 1965 and they had five children.

Since 1970, she was actively engaged in weed science teaching and research and has contributed greatly to the development of high standards in weed science education in the Philippines. Her research work involved studies on morphological and physiological responses of crops and weeds to herbicides and on weed control in rice and multiple cropping systems. She has trained 22 B.S., 27 M.S., and 8 Ph.D. students. She has authored a weed science textbook, *Introduction to Weed Science*, 3 monographs, 2 manuals, 2 chapters/contributions in a book, and 61 technical papers. She has received 3 Best Paper awards and several distinguished awards, two of which (Marcos Vega Award, 1977, and Pest Management Award, 1982) are the top awards given by the Weed Science Society of the Philippines and the Pest Control Council of the Philippines, respectively. From her own University, she was a recipient of the UPLB Distinguished Teacher Award in Biological Sciences (1982) and the UPLB Distinguished Alumnus Award (1985). In February 1986, she was honored by the Weed Science Society of America by electing her an Honorary Member, the top award given to a non-member of WSSA, in recognition of her outstanding contributions to international weed control and research. She also received the International Congress on Plant Protection Medal for outstanding achievement in plant protection in 1987 and the Most Outstanding Agricultural Scientist Award (posthumous, 1988) from the Department of Agriculture.

Conference Highlights

42nd Annual Conference of the NZ Weed and Pest Control Society

A. Rahman

The 42nd Annual Conference of the NZ Weed and Pest Control Society was held in New Plymouth, August 8-10, 1989. Sixty-five papers, including seven research notes, covering various topics on weeds, insects and diseases and their control were presented. A poster session was also included. A senior colleague from the Ministry for the Environment brought the Society members up to date with developments on the proposed new legislation on pesticides and the possible establishment of an Environmental Protection Agency.

The following members were elected to the Executive of the Society:

Dr. R.P. Pottinger, President
Mr. C.J. Sharpe, Vice President
Ms. A.J. Popay, Secretary

Committee Members:

Dr. A. Rahman
Dr. S. Goldson
Dr. R. Falloon
Dr. J. Zabkiewicz
Mr. G. Kerse
Mr. M. Willocks

The next (43rd) Annual Conference is scheduled for 14-16 August, 1990 in Dunedin. Further information can be obtained from Dr. A. Rahman, Ruakura Agricultural Centre, Private Bag, Hamilton, New Zealand or from the Secretary, C/Ministry of Agriculture and Fisheries, P.O. Box 1654, Palmerston North, New Zealand.

12th Conference of the Weed Science Society of Eastern Africa

Prof. Ratemo W. Michieka

Univ. of Nairobi, Kenya

The 12th Conference of WSSEA was held in Nairobi, Kenya on August 14-18, 1989. A total of 150 participants from Eastern and Southern Africa attended. Twenty-one papers were orally presented, covering all aspects of weed management and biology, of which three were invited papers. Striga, Cyperus, and new chemicals received major discussions during the conference.

An exciting one-day field trip to a lake infested with Salvinia molesta was made and local farmers talked to us on the weed problem. The weed is infesting all lakes and swamps and needs immediate attention. The following executive was elected to serve the society for the next two years: Chairman: Mjogu Mjeru, Turga Chemicals, Box 30172, Nairobi; Secretary: David Mburu, N.A.L., P.O. Box 14733, Nairobi; and Treasurer: Ben Wanjala, Pyrethrum Board of Kenya, P.O. Box 707, Naburi, Kenya.

The next conference is tentatively scheduled for Arusha, Tanzania, August 14-18, 1991.

12th Conference of the Asian-Pacific Weed Science Society, Seoul, 1989

Dr. J.T. Swarbrick

Vice-President, APWSS

The 12th Conference of the Asian-Pacific Weed Science Society was held at the Ramada Renaissance Hotel in Seoul, Republic of South Korea, from August 21 to 26th, 1989. The conference was particularly well attended, with about 300 overseas participants and 20 South Koreans. One of the highlights of the conference was the presence of six participants from the People's Republic of China, most welcome members of

the Asian-Pacific Weed Science Society who certainly made their presence felt.

The large working committee of the conference had done much preparation. The first two volumes of the proceedings were available when we arrived, together with the program and the now traditional booklet of abstracts. With up to three concurrent sessions on some days, the booklet of abstracts is an essential guide to selecting which papers to attend.

The standard of the papers varied widely. English is a difficult language to learn, and many of us felt sympathy with non-English speakers struggling with the complexities of English grammar and pronunciation. It is, however, the official language of the APWSS and is rapidly becoming the official language of international scientific gatherings, and so we can only praise those who mastered it and encourage those who are still struggling. The use of a taped English translation may sometimes be desirable, but the accent of the English speaker must be clearly understandable. The same comments must be made about the printed papers. It is of great advantage if the editor is fluent in English because many of the writers are not; I think that it becomes the duty of APWSS and other conference organizers to help non-English speakers prepare abstracts and papers which are fully intelligible.

The Plenary sessions presented the usual background on the host country's situation and reviews and updates on board issues of general interest to weed scientists. The conference then divided into three concurrent sessions of weed biology and ecology, weed control, and new herbicides and herbicidal properties.

The many papers on weed biology and control covered every aspect of the subject, with of course a special emphasis on the weeds of paddy rice. Several very interesting papers reported on weed successions and on the geographical associations of weeds in

various parts of the Asian-Pacific region. Information is now becoming available on the dynamics of dormant weed seeds in tropical and subtropical soils. New weeds of the area were discussed, as were a number of serious older weeds including Imperata cylindrica and Scirpus spp., especially S. planiculmis. Several Indian papers addressed the biology and problems caused by Parthenium hysterophorus. Dr. De Datta presented an exceptionally good paper on ecophysiological studies in relation to weed management strategies in rice. It was a pity that so many of the people who had submitted papers to these sessions were unable to attend the conference.

The weed control sessions inevitable overlapped both of the other concurrent sessions, but nevertheless presented many valuable and interesting papers. The emphasis was again inevitably on weed control in paddy rice, but this did not prevent many other useful papers from making their appearance (again, often without their authors). Imperata cylindrica again received its fair share of attention. Useful papers were presented on weed control in many crops, pastures and non-crop situations between the southern and northern temperate zones. Chinese weed scientists seem to be developing very interesting mixtures of out-of-patent herbicides for Cyperaceae and other different weeds, but were careful not to divulge too much.

New herbicides and herbicidal properties is always the best attended of the concurrent sessions, since it is the one thing that brings most weed scientists and most industry personnel to any conference. Despite the ever-increasing costs, new herbicides continue to proliferate for major markets such as rice, the mainstay of the Asian-Pacific region. many papers on herbicide resistance found their way into these sessions, often keeping us running between concurrent sessions to try to catch

succeeding papers in adjacent rooms. Crop safeners came in for a considerable amount of comment, as of course did the sulfonyl urea herbicides and the ever-growing group of grass herbicides. Combinations and compatibility of both old and new herbicides were widely discussed.

The poster session presented the usual mixture of subjects, ranging from studies of particular weeds to studies of the geographical and ecological distribution, control by various methods, and summaries of the present status of weed research in APWSS countries.

The symposium was on economic weed control. It covered a range of subjects including the use of micro-computers in weed management, the economics of weed control under conservation tillage, weed control in direct-seeded rice in the USA, the economics of weed control in small-scale Asiatic farms and in U.S. rice, and the technology for economic weed control in Korean rice. Ground-water contamination by herbicides in the USA was also discussed.

The social aspects of the 12th APWSS Conference were ably catered for by three informal evening gatherings, the Wednesday outing to the excellently developed Korean folk village close to Seoul, and the exhibition of Korean folk music and dance which preceded the closing banquet. The thanks of all of us who attended the 12th APWSS Conference in Seoul must go to the organizers and sponsors of this very worthwhile event.

Long Ashton Symposium on Herbicide Resistance

I.N. Morrison
Univ. of Manitoba

Close to 200 scientists from universities, government research stations and private industry took part in the 11th Long Ashton International Symposium on

Herbicide Resistance in Crops and Weeds held September 11-14, 1989 at the University of Bristol, England. About half the participants were from the United Kingdom, with the other half from Australia, Europe, North America, Japan, and East Africa.

The symposium opened with an inaugural lecture by Professor Jonnie Gressel of Weizmann Institute of Science in Israel who outlined a number of possible strategies that could be combined to delay the development of herbicide resistance in weeds. Homer LeBaron from CIBA-GEIGY Corporation, Greensboro, North Carolina, USA, provided a comprehensive update on the occurrence of herbicide resistant weeds throughout the world. According to recent figures, there are now close to 80 weed species that have developed resistance to one or more herbicides, with the majority of these occurring in Europe and North America.

The program consisted of 29 invited presentations and 37 contributed posters covering a wide range of topics related to herbicide resistance, including new information on the occurrence of trifluralin resistant Setaria viridis in western Canada and the results of detailed laboratory investigations on the biochemical and physiological basis of resistance in diclofop methyl resistant Lolium rigidum in Australia and sulfonylurea resistant Lactuca serriola and Kochia scoparia in the United States.

The role of cytochrome P-450 oxidases in detoxifying herbicides and the possibility that elevated levels of these oxidase enzymes in weeds may result in the development of multiple cross resistance to structurally unrelated herbicides was discussed by a number of speakers. A special workshop on the isolation and characterization of these oxidase enzymes was organized at the end of the symposium.

Among other important topics discussed at the symposium were recent refinements in mathematical models to predict the rate of enrichment and subsequent disappearance of resistance within populations, the use of herbicide synergists to combat resistance, the identification and sequencing of resistance genes, and an assessment of the hazards associated with introducing genetically engineered crop plants into commercial production. At the end of the symposium, Dr. B. Ruben from the Hebrew University of Jerusalem provided an overview of the proceedings and summarized current knowledge in the area.

A half day was set aside for the participants to tour the historic city of Bristol and to visit the Long Ashton Research Station. After being welcomed to the Station by the Director, Dr. P. Shewry, groups of 15 to 20 individuals were guided through the facilities to observe current research focusing on crop protection and pesticide application, including a demonstration of the latest laser technology for determining spray droplet size and distribution.

Proceedings of the symposium are expected to be available in 1990. Inquiries should be directed to Ms. Sue Davies, Butterworth Sci. Ltd., P.O. Box 63, Westbury House, Bury Street, Guildford GU2 5BH, Surrey, U.K.

Society Spotlight

European Weed Research Society

Gareth H. Williams
EWRS President, 1988-89

The European Weed Research Society was formed in 1975 from the European Weed Research Council. The Council was established in 1959 after a meeting between members of the Dutch Working Group on

Weed Control and Belgian colleagues attending the International Crop Protection Symposium at Ghet, Belgium, in the previous year. Members were nominated by their national weed science or crop protection societies. By 1974, 24 countries were represented, a number of committees had been established and there were specialized working groups composed of members of government-funded institutes and of industry which were considering problems of mutual interest. At this point, it was decided that the aims of EWRC could be better served if it developed into a Society which could extend membership to all who wished to participate. Membership of the European Weed Research Society is open to all who are interested in weeds, weed control and related topics.

After 1975, the Society was governed by a Council, which was composed of elected and co-opted officials and the nominated National Representatives of the countries of Europe and by 1984, consisted of some 40 members. This was administratively unwieldy and a new Constitution which passed control of the Society to an elected Executive Committee was adopted in 1986. However, the National Representatives, now elected by members in their respective countries, continue to form an important part of the Society's organization as they provide a link between officials and members. They liaise with national weed science societies, provide information on research activities in their countries, and encourage their compatriots to become members of EWRS. In 1989, the European Weed Research Society has over 650 individual members from 50 countries, and 26 Affiliated Organizations. We are also grateful for the support of those agrochemical companies who are our Sustaining Members.

The aims of the Society continue to be to encourage a spirit of international cooperation amongst weed scientists and to

promote weed research and technology in Europe for the advancement of agriculture and the benefit of the community as a whole. Scientific work is organized into a number of Main Subject Areas, each led by a prominent researcher who is responsible for coordinating the activities of working groups within his own Main Subject Area with those of other MSAs. Individual Main Subject Areas operate in different ways, but many organize annual meetings or workshops at which members can present their work in an informal setting which allows ample scope for discussion, and also visit trial sites or other aspects of interest in a particular region.

Every two years, one or more MSA will organize, on behalf of the Society, a major symposium on a topic which will integrate different aspects of weed research. These symposia have simultaneous translation in the 3 official languages - German, English, and French. Occasionally, individual Main Subject Areas or work groups may hold symposia of more specialized interest. In particular, the Aquatic Weeds Working Group organizes a symposium on aquatic weeds every 4 years. In June 1990, the MSA on weed control in cereal production systems is organizing a symposium on Integrated Weed Management in Cereals in Helsinki, Finland, while the 8th International Aquatic Weeds Symposium will be held at Uppsala, Sweden, in August.

Proceedings of symposia are published, as are books produced by working groups. In addition, the Society produces 6 issues per year of its official journal Weed Research and 3 issues of its newsletter in German, French, or English. Both Weed Research and the newsletter are issued free of charge to members.

Further information about the European Weed Research Society may be obtained from: EWRS Membership Office, C/O Dr. Thomas Eggers, BBA Inst. fur

Unkrautforschung, Messeweg 11/12, D-3300
BRAUNSCHWEIG, FR Germany.

News Items

□ Allan E. Deutsch, Communications Specialist with the International Plant Protection Center, Corvallis, Oregon and Editor of the IWSS newsletter has accepted a position with ICARDA in Aleppo, Syria, effective September 1989. All members of IWSS will want to wish Allan much success in his new position.

□ A Malawi Weed Science Society is to be organized. Contact person is James Seyami (address unknown).

□ Dr. Walter Saidak, Chairman, Canadian Expert Committee on Weeds has retired after nearly 30 years of service to Agriculture Canada. Congratulatory and best wishes for a long and joyous retirement were sent to Dr. Saidak by the IWSS President.

□ Dr. Ahmad Soedersan, Indonesia, has been elected President of the Asia-Pacific Weed Science Society at their recent conference in Seoul. Elected Vice-President was Dr. J.T. Swarbrick, Australia. Dr. Aurora Baltazar, Philippines, continues as Secretary.

□ Mjogu Mburu, Turgu Chemicals, Nairobi, Kenya has been elected chairman of the Weed Science Society of Eastern Africa (WSSEA) for a 2-year period.

Dates and Events

A listing of forthcoming events--congresses, conferences, seminars, meetings, and courses--of possible interest to IWSS

members, based on information from a variety of sources.

1990

January 3-5, 1990

Future Changes in Pesticide Registration within the EC

Contact: Symposium Secretary Mrs. R.A. Bishop, the BCPC, 20 Bridport Road, Thorton Heath, Surrey CR7 7QG, U.K.

January 23-24, 1990

14th Conference de COLUMA

Venue: Versailles, France
Contact: Secretariat, ANPP, 6 Bd. la Bastille, F-75012, Paris, France.

February 5-8, 1990

Weed Science Society of America

Venue: Montreal, Quebec, Canada
Contact: A. K. Watson, McDonald Coll., McGill Univ., 21,111 Lakeshore Rd., Ste-Anne-de-Bellevue, PQ H9X 1C0, Canada.

March 20-23, 1990

3rd International Conference on Plant Protection in the Tropics

Venue: Genting Highland Resort, Malaysia
Contact: MAPPS Conference, Secretary, MARDI, P.O. Box 12301, GPO, 50774 Kuala Lumpur, Malaysia

April 10-14, 1990

Annual Conference of ALAM (Association of Latinoamericana de Malezas)

Venue: Convention Palace, Havana City, Cuba
Contact: Dr. Ricardo Labrada, Inst. de Investigaciones de Sanidad Vegetal, Calle 150, No. 2125, e/, 21Ay25, RTO, Siboney, Ciudad de la Habana, Cuba

June 4-6, 1990

Integrated Weed Management in Cereals

Venue: Helsinki, Finland
Contact: G.W. Cussans, LARS Weed Research Div., Long Ashton, Bristol BS18 9AF, U.K.

July 9-27, 1990

**Weed Management Strategies
Shortcourse**

Venue: Oregon State Univ., Corvallis,
Oregon, USA

Contact: WMS90, Intl. Plant Protection
Center, Gilmore Annex 100, Oregon State
Univ., Corvallis, OR 97331-3904, USA
□ Intensive/interactive course; mini-library
provided and shipped free; field tours,
matriculation fee; presented in English.

July 23-25, 1990

**Canadian Pest Management Society
Annual Meeting**

Venue: Penticton Trade/Convention Centre,
Penticton, BC, Canada

Contact: P. Scholberg, Agriculture Canada
Research Station, Summerland, BC, V0H 1Z0,
Canada

July 31-August 2, 1990

**South African Weed Science Society
International Congress**

Venue: Berg-en-Dal Camp, Kruger National
Park, S. Africa

Contact: The Congress Secretary, S.A. Weed
Science Society, P.O. Box 27552, Sunnyside
0132, South Africa

August 6-10, 1990

9th Australian Weeds Conference

Venue: Adelaide, S.A.

Contact: J. W. Heap, or D. W. Stephenson,
C/O S.A. Dept. of Agriculture, Northfield
Laboratories, G.P.O. Box 1671, Adelaide,
50001, Australia

August 5-10, 1990

**7th International Congress on Pesticide
Chemistry**

Venue: Hamburg, W. Germany (other details
not available at press time).

August 12-15, 1990

**Symposium on Herbicide Safeners:
Chemistry, Mode of Action and
Applications**

Venue: Budapest, Hungary

Contact: Kriston K. Hatzios, Dept. of Plant
Path., Physiology and Weeds, Virginia

Polytechnic Inst. and State Univ., Blacksburg,
VA 24061-0331, USA

August 13-17, 1990

**8th International Symposium on Aquatic
Weeds**

Venue: Uppsala, Sweden

Contact: K. Murphy, Dept. of Botany, Univ. of
Glasgow, Glasgow G12 8QQ, U.K.

October 29-November 1, 1990

**Canadian Expert Committee on Weeds
National Executive and Eastern Section**

Venue: To be announced.

Contact: Dr. A. S. Hamill, Chairman,
E.C.O.W., Agric. Canada Research Station,
Harrow, ON N0R 1G0, Canada

November 19-22, 1990

**Brighton Crop Protection Conference-
Pests and Diseases 1990**

Venue: Hotel Metropole, Brighton, Sussex
U.K.

Contact: BCPC, 20 Bridport Road, Thornton
Heath, Surrey CR4 7QG, U.K.

November 26-29, 1990

**Canadian Expert Committee on Weeds,
Western Section**

Venue: Regina, Sask.

Contact: E. Makowski, Hoechst Canada Inc.,
295 Henderson Dr., Regina, SK S4N 6C2,
Canada

1991

February 6-9, 1991

**Weed Science Society of America Annual
Meeting**

Venue: The Galt House Hotel, Louisville, KY,
(other details not available at press time).

June 1991

**5th International Symposium Parasitic
Weeds**

Venue: Tentative venue Nairobi, Kenya

Contact: L. J. Musselman, Dept. of Biological
Sciences, Old Dominion Univ., Norfolk, VA
23529-0266, USA

□ Official language: English

July 29-31, 1991

**Canadian Pest Management Society
Annual Meeting**

Venue: Fredericton, New Brunswick, Canada
Contact: B. Boiteau, Agriculture Canada, Box
20280, Fredericton, NB E3B 4Z7, Canada

August 11-16, 1991

**12th International Congress on Plant
Protection**

Venue: Rio de Janeiro, Brazil (other details
not available at press time).

August 20-25, 1991

**13th Asia-Pacific Weed Science Society
Conference**

Venue: Jakarta, Indonesia (other details not
available at press time).

November 1-4, 1991

**International Pesticide Registration
Management Congress for
Implementation**

Venue: Washington, DC, USA
Contact: Congress Secretary, P.O. Box 15760,
Arlington, VA 22215-0760, USA

November 18-22, 1991

**Brighton Crop Protection Conference-
Weeds 1991**

Venue: Hotel Metropole, Brighton, Sussex,
U.K.
Contact: BCPC, 20 Bridport Road, Thornton
Heath, Surrey, CR4 7QG, U.K.

November 25-28, 1991

**Canadian Expert Committee on Weeds,
National Executive and Western Section**

Venue: Vancouver, B.C., Canada
Contact: R. Cranston, B.C. Ministry of
Agriculture and Fisheries, 17720 57th Ave.,
Surrey, B.C. V3S 4P9, Canada

1992

February 5-8, 1992

**Weed Science Society of America Annual
Meeting**

Venue: Orlando, Florida, USA (other details
not available at press time).

February 17-21, 1992

**First International Weed Control
Congress**

Venue: Melbourne, Australia
Contact: Mrs. Rosemary Henderson, Congress
Secretariat, Protech Consulting, P.O. Box 851,
Eltham, Vic. 3094, Australia

July 6-8, 1992

**Canadian Pest Management Society
Annual Meeting**

Venue: Brandon, Manitoba, Canada (other
details not available at press time).

Date to be announced:

**8th International Symposium on
Biological Control of Weeds**

Venue: Lincoln College, Canterbury, New
Zealand

Letters to the Editor

Dear Editor:

WSSP acknowledges with thanks the receipt of the CBC Check No. 251 in the amount of \$250.00, representing the IWSS contribution to the B.L. Mercado Graduate Scholarship Grant. Enclosed is the official receipt for the amount.

I would like to express, on behalf of WSSP, our profound gratitude and sincere appreciation for your interest and support to the project. Your contribution will indeed be of great help in the realization of the scholarship. We hope to start the scholarship at the earliest possible time.

Thank you and we look forward for your continued cooperation and support in our effort to promote weed science education not only in the Philippines, but also elsewhere. Sincerely yours,

Juliana S. Manuel, President
Weed Science Society of the Philippines

Dear Editor:

I think that multi-national corporations dealing with herbicides should play a more important role in support the activity of international weed science societies. They could also serve as middlemen in transferring funds from those individuals from 'soft currency' countries, who have difficulties in sending their payments to the USA or Europe. They could pay for part of the research they contract out in each country, by providing membership to societies such as IWSS, WSSA, or EWRS and APWSS by providing subscriptions to journals, books, research equipment, etc.

Armando Tastistro
Mexico

Dear Editor:

I did some background work for the IWSS in its early years and have always been interested in its well-being. It was rather sad to see the Society go into volunteer recess so soon after its conception. One of the reasons I felt was its apparent absence (or only limited presence) at the meetings and conferences of major regional societies. To keep the momentum going, we should ask regional societies such as EWRS, APWSS, WSSA, etc., to devote a session at their conference to IWSS. One of the executives or members of IWSS should give an update of activities of the Society and it could include a keynote address by a senior scientist on behalf of the Society.

Avis Rahman
Hamilton, New Zealand

IWSS Officers:

G. H. Friesen, President, Agric. Canada, P.O. Box 3001,
Morden, MB, R0G 1J0, Canada
C. L. Foy, President-elect, Dept. of Plant Path., Phys., &
Weed Sci., Virginia Tech, Blacksburg, VA 24061, USA
L. W. Smith, Vice-President, NSW Agric. & Fisheries,
McKell Bldg., Rawson Pl., Sydney, NSW 2000, Australia
R. Prasad, Secretary, Pacific Forest Research Centre,
506 W. Burnside Rd., Victoria, BC, V8Z 1M5, Canada

Meeting Notices

President Friesen invites all IWSS members, and friends of the society, to a business meeting on Monday, February 5, 1990 (8:00 p.m.) in the Queen Elizabeth Hotel, Montreal, Canada. This coincides with the annual meeting of the Weed Science Society of America.

Membership Renewal

Membership fees for 1990 are now due. If you have not done so already, please forward your membership fees (U.S. \$5.00 for individual membership), along with the renewal form below, to the secretariat of your regional society, or directly to: International Weed Science Society, C/O IPPC, Attn: S.L. Larson, Gilmore Annex 100, Oregon State University, Corvallis, OR 97331-3904, USA.

Future newsletters may only be sent to members in good standing. Thank you.



Please indicate which type of membership you are paying for:

Lifetime (US\$100.00) _____
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member number: _____
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