

JUNE 1993



NEWSLETTER OF THE INTERNATIONAL WEED SCIENCE SOCIETY

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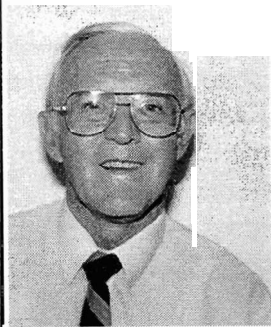
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FROM THE PRESIDENT...



I am honored to be President of IWSS for the next two years, and I will do my best to emulate the efforts that the previous Presidents, Dr. George Friesen and Dr. Larry Foy

have done in rejuvenating the Society. However, there is still a lot of work to be done and this can only be carried out if we all help to build up the Society.

Membership has decreased in recent years and everyone should endeavor to introduce new members or regain old members, especially from developing nations. The Society has recently produced a very professional display board for promotional purposes at meetings, conferences, etc. If you would like to use it, contact Susan Larson at Oregon State University. We hope to have material for several of these displays available for use, and stationed at various places or centers around the world.

Congratulations are due to Dr. Chester McWhorter, Southern Weed Research Laboratory, Stoneville, Mississippi, USA, and Mr. Harry Combellack, Keith Turnbull Research Institute, Frankston, Victoria, Australia, for receiving the IWSS Outstanding Achievement Award for 1993. Both individuals have made major contributions over the years to weed science at the international level. We are now accepting nominations for the 1994 award and if you would like to nominate someone, please refer to the nomination criteria found on page 8 of the newsletter.

One of my main aims for the next two years is to implement the "Outcomes and Recommendations" from the FIWCC held in Melbourne in February, 1992. Several members and other scientists have been approached to assist with this task, but lack of finance and time constraints make the task difficult. If anyone who has not been approached is willing to assist, please contact me. We need people who are prepared to convene and/or work with a group or panel of scientists to carry out the terms of reference for the six areas that have been identified as needing study and direction. An article which outlines the tasks of the proposed panels or working groups can be found on pages 3-5 in this newsletter. Also, I would appreciate comments, letters-to-the-editor, etc. for publication on this matter. We can only make progress if people are prepared to contribute and assist. Some may think that the outcomes are too ambitious, but we have to start somewhere and even if we do not finalize all the outcomes and recommendations, we will have started something. It is expected that reports on progress with the recommendations from the FIWCC will be an important component of the program for the SIWCC to be held in Copenhagen in late June, 1996. Please note the change in time from September to June.

I would like to congratulate Dr. John Terry, Long Ashton Research Station, Bristol, UK, for being elected to Vice-President of IWSS. John has many years experience on the international scene, especially in tropical areas and will be an asset with his experience in that area. Congratulations are also due to Dr. Raj

Prasad, Forestry Canada, Victoria, BC, on his reelection for another term as IWSS Secretary-Treasurer. I look forward to the next two years as your President and will endeavor to promote IWSS wherever possible. I would welcome any comments you may have about the future of IWSS.

Dr. Leon Smith, President IWSS



IWSS ANNOUNCES RECIPIENTS OF 1993 OUTSTANDING ACHIEVEMENT AWARD

Harry Combellack and Chester McWhorter were chosen as the recipients of the 1993 IWSS Outstanding Achievement Award. The announcement was made during the IWSS board meeting held in Denver, February, 1993.

Harry Combellack has worked in weed control in both industry and government in the United Kingdom and Australia for 30 years. He is presently serving as Team Leader in Pest Plants Research at Keith Turnbull Research Institute, Frankston, Victoria, Australia. He has made an outstanding contribution in several aspects of weed research including the field evaluation of herbicides, herbicide application technology, mode of action of herbicides, and the role of adjuvants in enhancing herbicide efficacy. He has produced more than 75 papers and other publications and is well known throughout Australia and internationally for his keynote addresses at major conferences. These addresses are always thought-provoking and highlight the wide-ranging perspective he brings to weed problems.

Harry has served as President of the Weed Science Society of Victoria, President of the Council of Australian Weed Science Societies (CAWSS) and is a member of IWSS, the European Weed Research Society and the Weed Science Society of America.

Harry became well known to most weed workers of the world for his role in conceiving and organizing the first International Weed Control Congress held in Melbourne in February, 1992. Certainly, he was supported by a very active committee and other helpers, but it was his vision, enthusiasm, direction and ability to generate funding which helped this

congress become an outstanding success. He is presently planning a world conference on adjuvants to be held in Melbourne in 1995.

One of his current research activities is aimed at developing an ultra low volume system for applying herbicides from ground-based equipment. Another of his major interests is the assessment of the advantages and disadvantages of herbicide use by considering the significance of herbicide residues, the energy inputs necessary with various methods of weed control, the relationship between soil degradation and weed control practices and the estimation of the effect of different weed control strategies on the production of crop and animal products.



Chester McWhorter, retired at the end of 1992 as the Research Leader of the Application Technology Research Unit of the Agricultural Research Service of USDA at Stoneville, Mississippi.

Chester is a native of east central Mississippi and after service in the U.S. Navy obtained his B.S. and M.S. degrees in Agronomy from Mississippi State University. He was first employed at the Delta Branch Experiment Station, Stoneville, Mississippi in 1952 where he conducted weed science research until 1956 when he attended Louisiana State University, earning his Ph.D. in 1958.

Dr. McWhorter has been active in professional societies. He has devoted most of his time to the Southern Weed Science Society and the Weed Science Society of America and served as President of both societies simultaneously. Chester was instrumental in conceiving and organizing the Mississippi Weed Science Society.

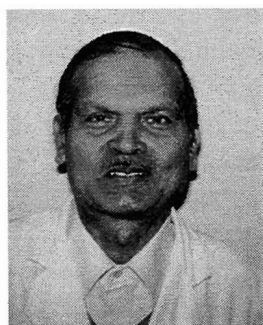
Chester worked in USDA, Agricultural Research Service, for about 36 years. He has published more than 225 articles and he has had the opportunity to travel to 12 countries to discuss his research on weed control problems. He has edited two major books in the area of weed science. Most of his research has been related to the use of adjuvants and surfactants and on unique methods of herbicide application.

Dr. McWhorter has been fondly called "Mr. Johnson grass" by some of his associates because of his work in Johnson grass control. He is the world authority on Johnson grass history, its growth and control. His research has had great impact on U.S. agriculture the influence increases yearly. He plans to continue his research as a collaborator with the Southern Weed Science Laboratory and the Application Technology Research Unit at Stoneville.

Congratulations to both recipients!



IWSS ELECTION RESULTS



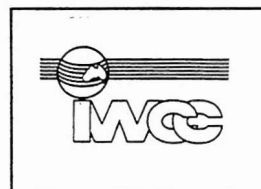
Dr. Raj Prasad was re-elected for another term (1993-97) as Secretary-Treasurer of IWSS. Dr. Prasad has been very active in IWSS activities and instrumental in publication of the IWSS Newsletter along with the distribution of old Weed Science Journals to weed

scientists in Third World countries. Raj graduated from the University of Allahabad, India and completed his Ph.D. in weed science at Oxford University, United Kingdom. During 1963-67 he taught at the University of California, Berkeley and the University of Ibadan, Nigeria. Dr. Prasad is a research scientist in the Forestry Department in Canada currently involved with the development of bioherbicides.

Dr. P. J. (John) Terry was elected as IWSS Vice-President. John has been fully involved in international weed science ever since his graduation from Brunel University, UK, in 1965. Since 1983, he has been based in the UK, first at the late Weed Research Organization, and now at the Long Ashton Research Station, Bristol, where he has responsibility for the Tropical Weeds Unit involving research, project management and training in weed science. He helped to establish the Bristol and Bath Universities joint Crop Protection MSc program

which attracts many students from the third world. He continues to travel widely and advise on weed problems throughout the tropics. His many contributions to the weed science literature include weed identification manuals for West Africa and for East Africa.

IMPLEMENTATION OF OUTCOMES &



RECOMMENDATIONS FROM FIRST INTERNATIONAL WEED CONTROL CONGRESS

It has been suggested that a series of panels or working groups be set up to implement the Outcomes and Recommendations of the FIWCC. A list of these panels, their suggested aims, terms of reference and timetable of activities follows:

Panel 1. Weed Control Strategies for Developing Nations

Aim: To recommend changes in weed control practices for developing nations, which are more efficient, effective and environmentally acceptable, but without economic hardship.

Terms of Reference:

1. Delineate major problems confronting weed practitioners in developing nations by land use e.g. cropping-temperate, sub-tropical, tropical and grazing-temperate, sub-tropical, tropical.
2. Assess appropriateness and effectiveness of current weed control methods for each land use type.
3. Determine factors which limit changes in weed control practices particularly in relation to increased herbicide use.
4. Recommend ways of encouraging changes in weed control practices which will ensure more efficient, effective and environmentally durable weed control without economic hardship.
5. Generate consultation between policy, research, teachers and extension personnel and practitioners by listing key people involved, major outcomes from their efforts and delineating ways of improving communication between all involved.

Timetable:

- 1993 - Establish panel and finalize terms of reference. List appropriate organizations, personnel and activities.
- 1994 - Develop list of factors limiting efficient weed control.
Develop interim document which outlines problems with current methods and resourcing.
Outline ways to improve current weed control practices and in particular delineate any barriers to implementation.
- 1995-6 Develop policy document for IWSS to consider which contains:
1. Relative efficiency of current practices,
 2. Costs of weeds in terms of effort, economic outlay and consequences of activities on the environment.
 3. Recommended changes, taking note of barriers and implementation.
- 1996 - Report to IWSS through paper at SIWCC
- Note: There is a lot of work to be done by this panel and it may only be possible to present an interim report to the SIWCC.

Panel 2. Education and Training in Weed Science

Aim: To review education and training of weed control practitioners around the world and to suggest ways of arresting the apparent decline in weed science education in most countries.

Terms of Reference:

1. Establish level and adequacy of education and training in weeds and their control at all levels in developing/developed nations.
2. Suggest ways of overcoming immediate problems by identifying ways to optimize current education and training resources.
3. Assess future directions/needs and develop strategy to accommodate suggested changes.

Timetable:

- 1993 - Establish panel and develop more detailed terms of reference and set timetable.
- 1994 - Collate information to establish level and adequacy of education and training.
- 1995 - Develop guidelines to overcome immediate problems. Survey future needs and develop strategy to implement necessary changes.

- 1996 - Report to IWSS through paper at SIWCC.

Panel 3. Weed Definition and Categorization Process

Aim: To develop a definition of a "weed" and "categorization" process which is generally acceptable.

Terms of Reference:

1. Survey literature for definitions of a "weed" and "categorization" process.
2. Recommend two or at most three definitions and categorization processes for consideration by IWSS and member societies.
3. Recommend one definition and categorization process for adoption by IWSS.

Timetable:

- 1993 - Establish panel, terms of reference and timetable.
- 1994 - Review existing information and report, possibly through Weed Technology.
- 1995 - Identify education/training, extension, and research needs and ways of implementing these on regional/local basis.
- 1996 - Report to IWSS through paper at SIWCC.

Panel 4. Developing Integrated (Complementary) Weed Control Practices

Aim: To develop agreed guidelines and ways of directing funds to projects to ensure that integrated (complimentary, alternative) weed management systems are developed, extended and introduced by farmers for major crops.

Terms of Reference:

1. Review existing knowledge on, and deficiencies, in current integrated weed control practices.
2. Assess the most appropriate way of developing integrated systems on local/regional basis.
3. Identify deficiencies in training, knowledge, and practitioner skills that will prevent implementation of such practices.
4. Suggest education, research and extension needs to implement integrated weed control practices.
5. Delineate ways of encouraging redirection of funds to resource the process.

Timetable:

- 1993 - Establish panel, terms of reference and timetable.
- 1994 - Review existing information and report, possibly through Weed Technology.
- 1995 - Identify education/training, extension and research needs and ways of implementing these on regional/local basis.
- 1996 - Report to IWSS through paper at SIWCC.

Panel 5. Ecology and Biology of Weeds

Aim: To ensure that studies on ecology and biology of weeds are coordinated and directed at practical solutions to weed problems and to establish a list of future directions so that these studies result in more effective weed control decisions.

Terms of Reference:

1. To delineate weeds whose biology/ecology have been completed, partially completed and significant weeds that have not been researched.
2. To assess the practical relevance of biology studies in relation to control strategies and where necessary identify deficiencies in knowledge.
3. Delineate the proportion of research effort on major ecology/biology topics (germination, establishment, competition, changes in floras etc.).
4. Assess the relative contribution of (3) in enabling more effective control decisions.
5. Where appropriate, suggest research/extension needs to overcome deficiencies in practices/information.
6. Develop protocol to change funding direction toward answering identified needs.

Timetable:

- 1993 - Establish panel, review terms of reference and timetable.
- 1994 - Review work completed, its practical relevance and identify deficiencies.
- 1995 - Develop interim report and funding protocol.
- 1996 - Present report to IWSS through paper at SIWCC.

which assess the economic, environmental and energy impact of weed control options.

Terms of Reference:

1. Review information on the impact of weeds on crop production and environmental areas (environmental consequences to include soil degradation, effect on water quality, invasion of botanical reference or conservation areas by alien species).
2. Estimate the effect of weeds on human and animal health.
3. Consider energy inputs and outputs of various control methods.
4. Delineate gaps in knowledge on the impact of weeds.
5. Suggest ways of funding weed impact studies.

Timetable:

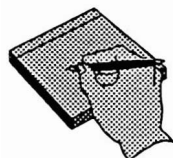
- 1993 - Establish panel, revise terms of reference and timetable.
- 1994 - Review available information and methodologies used.
- 1995 - Outline future data needs and protocols to generate relevant information.
- 1996 - Report findings to IWSS through paper at SIWCC.

The panel on "Weed Definition and Categorization" is already operating under the direction of Dr. Robert Norris, University of California, Davis. Other people have been approached to act as convenors of panels, but have not been able to accept for various reasons. We are currently seeking funds from several sources to assist with the work involved. If you have any suggestions please contact President Leon Smith.

Comments from IWSS members is needed on the appropriateness of these panels or working parties, the aims, terms of reference and timetable of work. In particular, we are seeking volunteers to be members of panels and to assist with the work involved. Your assistance would be invaluable in charting the future of IWSS and the success of the SIWCC.

Panel 6. Weed Impact/Energy Considerations

Aim: To develop a protocol to encourage projects (by establishing specific funding enticements)



1993 IWSS EXECUTIVE BOARD MEETING MINUTES

Date: February 8, 1993

Location: Radisson Hotel, Denver, Colorado, USA

Attendees: Okezie Akobundu (Nigeria), Comfort Ateh (Ghana), Prasanta Bhowmik (USA), Chester Foy (USA), George Friesen (Canada), LeRoy Holm (USA), Ricardo Labrada (Rome), Susan Larson (USA), Wondie Mersie (USA), Phillip Motooka (USA), Robert Norris (USA), Raj Prasad (Canada), Megh Singh (USA), Leon Smith (Australia), Robert Williams (USA), Gene Wills (USA), Robert Zimdahl (USA).

President Foy called the meeting to order, thanked all for participating and passed the gavel to incoming President, Leon Smith from Australia. Dr. Smith thanked Dr. Foy for his efforts as President of IWSS during his term in office. After introductions, the agenda was approved and Secretary-Treasurer Raj Prasad read the minutes from the last meeting. There being no questions, the minutes were accepted. Susan Larson presented the financial report. A sum of Australian \$8630 was realized at the 1st International Weed Control Congress, Melbourne. \$4,000 was transferred to organizers of the 2nd International Weed Control Congress in Denmark. The remainder was deposited in the Society account. Airfares for President Smith and Secretary Prasad were approved for payment.

Election Results: All ballots received were counted and the new officers are John Terry, Vice President and Raj Prasad, Secretary-Treasurer. John Terry sent apologies for his absence and promised to attend the next meeting in St. Louis, Missouri, USA.

President's Report: Chester Foy submitted his report which appeared in the IWSS December 1992 newsletter. Briefly, he thanked all those who cooperated and helped to organize the 1st International Weed Control Congress and wished that future Congresses would be equally successful and useful to weed scientists, particularly from 3rd World countries.

Newsletter Report: All agreed that newsletters serve an important link in communicating with weed scientists and that concerted efforts be made to keep it going. News items from other regional societies are not forthcoming as expected and greater efforts must be made to contact the Presidents of these regional societies. Susan Larson has updated and newly designed the IWSS Directory. This information can be available on diskette to those who request it. The President and Secretary will approach all regional societies and their presidents for solicitation of more information for publication and it was hoped that more news items from the regions would be available. Several members had not yet received their newsletter, and the problem was found to be through the post office.

Membership: Last year as a result of vigorous drive at the International Weed Control Congress, the membership increased but a slight decline was noted this year. It was agreed that the membership dues should be increased to \$10 for individual membership, \$200 for lifetime membership and \$50 for affiliate. It was suggested that dues should be collected by the regional societies and transferred to the IWSS. A poster on IWSS should be set up at regional meetings describing its objectives and goals. To this end a standard poster has been prepared by the Secretariat and copies can be sent to regional societies if they wish to display at their meetings. It was suggested that regional societies carry out a vigorous campaign to recruit more members. The application form for enrolling members should also be revamped and updated.

IWSS Board of Directors: This list needs updating and all directors on the board were recently contacted by the Secretary. Letters were written to each of the following: APWSS, ALAM, EWRS, WSSA, WSSEA, WAWSS, and FAO. A request was made to name an alternate member, provide news items and names of officers, discuss policy-making issues and future direction of IWSS. Letters were also written to the Ethiopian Weed Science Society and Ethiopia and South African Weed Science Society to join IWSS. Most of these regional societies do not respond, nor do they send news items or information on their activities, therefore it becomes frustrating to maintain any effective liaison.

Awards: The recipients of the IWSS Outstanding Achievement Award for 1993 were selected from a total of 4 candidates from four countries. After careful examination of credentials by the Executive Committee, Chester McWhorter and Harry Combella were selected to be co-recipients of the award for 1993. Plaques will be prepared and sent to each recipient. Excellent criteria for selection of future recipients was developed and finalized by Dr. Prasanta Bhowmik (Mass., USA). Future nominations will be judged on the basis of this criteria by the Awards Committee in conjunction with the Executive Committee.

First IWCC: The full report of the Congress was published in the June 1992 newsletter and the recommendations arising from the Congress were published in *Weed Technology* (6:1043-1058). The Executive Committee congratulated Harry Combella and George Friesen on a job well done.

Committee Reports: Six committees were established at the 1992 Melbourne meeting. The chairman of each committee gave the following reports:

Constitution Committee: Chairman Robert Zimdahl

Robert Zimdahl mentioned that the by-laws and constitution need clarification; for instance by-laws do not specify the duties of each committee. If changes are to be made, only the general membership can vote for changes. The Executive is not empowered to do so. It was also suggested that FAO cannot be treated as a regional society and that each regional society can delegate a representative (instead of the President) to attend annual meetings of IWSS.

Membership Committee: Chairman Leon Smith
Owing to a decline in membership, this committee is aggressively devising ways and means to encourage greater awareness, participation and enrollment of members from all corners of the globe. Leon Smith is setting up a poster session for IWSS at the forthcoming Asian Pacific Weed Science Society at Brisbane and collecting dues and enrolling more members. Likewise, IWSS posters will be set up at several regional weed science societies and meetings in the USA, Canada, and elsewhere. The application forms are being revised and a \$10 per member fee would be collected at

each of these regional meetings. A concerted effort is being made to contact all known regional societies and if necessary, a copy of the IWSS poster and new application forms will be mailed to the presidents of these societies so that they can exhibit the posters and enroll more members.

Awards Committee: Chairman Prasanta Bhowmik
Prasanta Bhowmik prepared an excellent guideline for selection of candidates for the Outstanding Achievement Award. After much discussion, it was agreed that two types of awards should be given. One for the developing (3rd World) countries, honoring and recognizing the talents and contribution of regional weed scientists. There are many outstanding weed scientists in Africa, Asia and Latin America doing outstanding work in their regions and publishing in their own languages. Somehow their work should be recognized by the regional societies and recommendation made to the Awards Committee for consideration of the award. The second award may be given to weed scientists in the developed countries (Australia, Canada, Europe, USA) to recognize the value of international work for the advancement of global knowledge and practice of weed science. It was also suggested that the award should not only be given to individual(s) but to such institutions also that excel in and promote international weed science activities.

Publication Committee: Chairman John Swarbrick
No report was available on this committee.

Policy Committee: Chairman Megh Singh
Singh reported that his committee is still working on the issues of policy and would report at the next annual meeting in St. Louis, Missouri.

Site Selection Committee: Chairman Harry Combella

Harry Combella was not in attendance, but sent information to confirm site selection for the 2nd IWCC and is working closely with Jan Streibig in Copenhagen, Denmark. Arrangements for holding the 2nd Congress are progressing satisfactorily.

WSSA Intl. Affairs Committee: Chairman R.D. Williams

Williams reported that his committee, like IWSS, also collects and distributes weed science journals

to those who need them and had some funds (\$500) for postage and mailing. In the future, he would be collaborating with IWSS. He also mentioned that editors of Weed Science/Weed Technology may publish some papers from Third World countries free of cost provided that arrangements are made ahead of time to do so. WSSA will be delegating one of its members to attend the EWRS meeting in June where a meeting of East European and Russian weed scientists will be held. They may need help and expertise to start their own weed societies. IWSS agreed to cooperate and help as needed.

2nd IWCC - 1996:

The congress will preferably be held at a University campus in Copenhagen where delegates can afford accommodation at reasonable rates. Since July-August are the tourist season and most expensive, it was suggested to shift the Congress to the late June, 1996. Jans Streibig is working on these issues and will report at the next meeting.

Outcomes and Recommendations of FIWCC:

All agreed that these recommendations provided excellent directions for future weed control congresses and that six panels should be established to follow up as suggested by Harry Combella. Some scientists have already agreed to help develop these outcomes and to synthesize a report e.g. on definition of a weed, for the 2nd International Congress. Even though implementation of all recommendations may not be practical, it was agreed that remaining outcomes should be carried over to the next Congress in Denmark.

Poster: In order to bolster IWSS membership, all agreed that the presentation of a well-designed IWSS poster at regional meetings would be highly profitable. Concerted efforts by the Executive members or their representative to display this poster as an exhibit, would go a long way to publicize and increase the membership of the Society. It was suggested that Robert Norris (UC, Davis, CA) present the IWSS poster at the annual meetings of the Western Weed Science Society in Idaho; Leon Smith at the Asian Pacific Weed Science Society in Brisbane; and Raj Prasad at the annual meetings of Expert Committee on Weeds at Edmonton. It was also recommended that an Executive meeting of IWSS should be convened at regional meetings by

proxy so that current issues can be discussed, and thus increase the input of members. Important decisions from these meetings can then be relayed to the annual meeting of the IWSS.

Note: A meeting of IWSS has been arranged to be held in Brisbane, Australia at the Asian Pacific Weed Science Conference on Wednesday, September 8, 1993.

The meeting adjourned at 10:30 p.m.

Respectfully submitted, Raj Prasad, Secretary-Treas.

IWSS DUES INCREASE

Effective **June 1, 1993** the dues for membership in the International Weed Science Society will be as follows:

Individual	\$10
Affiliate	\$50
Lifetime	\$200

QUALIFICATIONS FOR IWSS OUTSTANDING ACHIEVEMENT AWARD

The Outstanding International Achievement Award is to recognize significant contributions to international weed science. The outstanding contribution to weed science must be in more than one of the following areas: research, extension, teaching, publications, administration (including service to regional societies), and involvement in industry or commercial sectors.

Criteria for the award:

- The nominee must be a member of the IWSS or a regional society.
- Nominations must be made by a member of IWSS or a member of an affiliated society (or member of society affiliated with IWSS Board of Directors).
- Nominations should be made in English, Spanish or French.

- The nominating letter should explain in general and specific terms the outstanding contributions of the nominee. The contributions must be in regards to IWSS and international weed science.
- The candidate must have contributed and/or served in international weed science for at least 10 years.
- The award is limited to two in each year.
- The award will only be given when a candidate is selected.
- Members of the award committee are not eligible.
- The nomination packet should include nomination letter, three supporting letters and current resume of the nominee.

Awards are to judged/assessed by the Awards Committee. The Committee consists of Immediate Past President, President, and Vice President (or other member as designated by the Board of Directors), Secretary, and the Chair of the Awards Committee-IWSS. Winners are to be decided by a majority vote. The winner(s) will be announced at the annual business meeting of the International Weed Science Society.

An official nomination form for the 1994 award is located on page 13 of the newsletter. Nominations should be sent to Dr. Prasanta C. Bhowmik, Plant and Soil Sciences, Stockbridge Hall, Univ. of Massachusetts, Amherst, MA, 01003, USA.



CONFERENCE HIGHLIGHTS

Sociedad Espanola de Malhbologia

WSSA past president Jean Dawson attended the annual meeting of the Sociedad Espanola de Malhbologia in Terida, Spain December 1-3, 1992. He was invited to speak on Weed Control in Crops in the USA: 1942 to 1992 and into the Future. His was the keynote paper initiating the conference, whose

theme was "50 Years of Weed Science." As a guest of the conference, Dawson toured parts of Spain during the week before the meetings. During this tour, he discussed "The Biology and Control of Dodder" at a short course on weeds and their control at the University of Cordoba, and "Conservation Tillage" at the annual meeting of technical personnel of the Monsanto Company in Madrid.

Inaugural Conference of the Ethiopian Weed Science Society

Fasil Reda, Secretary EWSS

A group of dedicated weed science professionals initially met in 1982 to form the Ethiopian Weed Science Committee. After 10 years of fruitful endeavor the long awaited Ethiopian Weed Science Society has now become a reality.

The inaugural conference of the society, held 24-25 November, 1992, was a tremendous success which attracted a large number of professionals and relevant personnel engaged in research, training, and production across the country.

In the plenary sessions, 20 papers were presented on different areas of weed science including weed biology, taxonomy, ecology, and control.

A special feature of the conference was recognition of selected individuals and organizations for their contribution to the development of weed science in the country in general and the Weed Science Committee in particular. Four outstanding members were named Fellows of the Ethiopian Weed Science Society and 24 individuals and 10 organizations were awarded certificates.

The two-day conference was concluded with election of an Executive Committee as follows: Rezene Fessehaie, President; Ermias Kebede, Vice-President; Fasil Reda, Secretary; Berhanu G/Medhin, Treasurer; Abraham Aknaw, Auditor, Assefa Admasu, Public Relations Officer; and Sue Edward and Mesfin Tadesse, Editors.

Annual/Biennial Conference of the Indian Society of Weed Science (ISWS)

H.S. Gill, Ex-Senior Agronomist
Punjab Agricultural University, India

The annual/biennial conference of the ISWS was held March 3-4, 1992 at the Haryana Agricultural

University, Hissar. About 100 weed scientists from different agro-climatic regions of India attended. The ISWS has about 200 lifetime members and 100 annual members. A total of 363 research papers were submitted with articles in weed distribution, weed biology, crop weed competition, allelopathy, weed management in different field crops, vegetable and horticultural crops, perennial and aquatic weed control, physiological and biochemical aspects of herbicides, herbicide mixtures, herbicide residues among the topics presented at the conference.

Annual/Biennial Workshop of AICRP-Weed Control

H.S. Gill, Ex-Senior Agronomist
Punjab Agricultural University, India

The annual/biennial workshop of the All India Coordinated Research Program on Weed Control (AICRP-WC) funded by the Indian Council of Agricultural Research was held at Haryana Agricultural University Hissar March 5-7, 1992. Worked completed during 1990-91 by 22 Centers located in different agroclimatic regions of India was reviewed and the technical program of work for 1992-93 was finalized. The major thrust is on integrated weed management (IWM) under different situations.



ROYAL SOCIETY OF CHEMISTRY AND BCPC SIGN COOPERATION AGREEMENT

The Royal Society of Chemistry (RSC) and the British Crop Protection Council (BCPC) signed a cooperation agreement on 15th February 1993 at the RSC's Cambridge offices. The agreement will pave the way for new and improved publications and services for the crop protection sector, both in the UK and internationally.

The two parties will pool resources in data collection and dissemination. This will enable the RSC's databack, *The Agrochemicals Handbook*, to be merged with the BCPC's *Pesticide Manual*, and a revised and updated *Pesticide Manual* will be

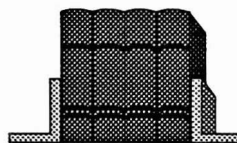
published in November 1994. This exhaustive compilation of pesticide active ingredients will contain the high-quality data that customers expect from the RSC and BCPC, including toxicology, uses and physical and chemical properties.

The *European Directory of Agrochemical Products* and the *Pesticide Index*, both formerly produced by the RSC, now fall under the scope of the collaboration agreement. An updated version of the *Directory* will be produced in 1995, and plans are being made to expand the scope of the publication in the future.

BCPC brings to the agreement its experience in the field of practical crop protection as well as the legislation affecting the production and use of pesticides. The RSC's expertise in computerized information services complements the strengths of BCPC, and will enable joint products to be distributed in a variety of electronic media, giving customers the choice of the best format for their individual requirements.

The RSC will continue to publish *Pesticide Outlook*, a news and review journal of current developments in all aspects of pesticides and their use. BCPC will maintain its partnership with CAB International to publish the *UK Pesticide Guide*.

Together, the RSC and BCPC will be able to offer those concerned with crop protection worldwide and best choice of authoritative, accurate and cost-effective information products for their subject area.



IN PRINT

□ 1993 Growers Weed Management Guide, was recently completed by Harold M. Kempen, University of California, Emeritus. Along with complete upgrading, the new edition includes chapters on Rotation and Cultural Techniques, used and usable by irrigated farmers of the West and the world. As with previous editions, herbicide and cultural options, plus weed susceptibility charts, are provided on 23 major field, vegetable, tree and grape crops of California. Additionally, registrations of all herbicides on California crops, a quick guide to herbicide use and safety is provided. Published by

Thomson Publications, P.O. Box 9335, Fresno, CA 93791. Price is US \$49.50 plus tax and handling. Credit cards accepted. 275 pp.

□ The American Society for Testing and Materials (ASTM) and the Chinese Association for Standardization (CAS) will jointly publish, for the second time, a special Chinese language edition of ASTM's monthly magazine, Standardization News (SN). Biao Zhun Hua Xin Wen is scheduled for distribution in China by the end of this year. This issue will provide CAS members with accurate, timely, and valuable information on ASTM standards and pertinent American scientific and technical activities that will benefit their professional development. It will also serve as a medium for educational institutions, research organizations, and industrial companies to make direct contact with one another.

□ Upland Weeds in Korea is the first publication of upland weeds in Korea which are common in upland crops and surrounding area of upland fields in Korea. Together 232 species in 38 families are listed including color photographs. A brief description of the weed is given in Korean with scientific and English names. This book is available through the Rural Development Administration (RDA), Suweon 404-707, Korea. Those interested can contact the RDA.

□ A few copies of the Newsletter on IWM of Asia and the Pacific Region published under the co-sponsorships of Kyungpook National University and FAO of the United Nations are still available free of charge. Those who are interested in this proceedings should write directly to Dr. Kil-Ung Kim, Secretary of the Steering Committee in IWM for Asia and the Pacific Region, Dept. of Agronomy, College of Agriculture, Kyungpook National University, Taegu 702-701, Korea.

to the secretariat of your regional society, or directly to IWSS, Attn: Susan Larson, Oregon State University, Cordley Hall 2040, Corvallis, OR 97331-2915, USA. Future newsletters will be sent only to members in good standing.

✎ Argentina has reorganized and revitalized their pest related societies into a single society: ASAPROVE (Argentine Association of Plant Protection). The goals and activities include: contributions to research on and dissemination of knowledge of pest biology, ecology, economics and control; publish a newsletter, journal, bulletins and other materials related to plant protection; organize conferences and courses on plant protection; seek the financial and technical support from private and public sources to fulfill their objectives. The board of directors is truly integrated across the pest disciplines. For further information contact: Ing. Osvaldo Marsico, President ASAPROVE, Avda, Corrientes No. 123, Oficina 410, Codigo Postal 1043, Buenos Aires, Argentina.

✎ The IWSS again invites nominations for the 1994 Outstanding Achievement Award. Nominations should follow the criteria specified in the article located on page 8 of the newsletter. Please direct your nominations to Dr. Prasanta C. Bhowmik, Plant and Soil Sciences, Stockbridge Hall, Univ. of Massachusetts, Amherst, MA, 01003, USA.

✎ A new international group under the chairmanship of Prof. George Templeton, was recently convened to address the problems of discovery, development and deployment of bioherbicides in agriculture and forestry. A 2nd International Workshop on Bioherbicides is currently being organized and is tentatively scheduled for July 31 - August 1, 1993 at the Univ. of McGill, Montreal, Canada. This group also publishes a newsletter and anyone interested should contact: Dr. G. Templeton, Univ. of Arkansas, Fayetteville, AR, 72701, USA.

✎ A computer-aided weed chemical control expert system (WCES) has been developed in China to meet the needs of high-efficiency and sustainable agriculture development and help weed scientists and

NOTES

✎ A reminder--if you have not already done so, please forward your membership dues (U.S. \$10.00)

farmers to make strategic ecological-economic weed chemical control decisions. The program consists of six modules and has the following functions: 1) Inputting and modifying data. 2) Inquiring for companion weed species and application herbicides according to a crop name; companion crops, applicable herbicides, and weed Latin name according to a weed common name; and weed control spectrum, applicable crop, producer as well as its other names according to a herbicide name. 3) Making a strategic weed chemical control decision according to weed economic density and period thresholds. 4) Identification of weeds. 5) Design and variance analysis for experiments with various factors. 6) Establishing mathematical models with variables by means of simulation. For more information contact: Zhen-Guo You and Li-Xin Xiao, Beijing Agricultural University, 100094 Beijing, China.

Contact: Jim Findlay, P.O. Box 27552, Sunnyside, Pretoria 0132, South Africa

July 18-24, 1993

International Turfgrass Research Conference

Venue: Palm Beach, Florida, USA

Contact: Dr. Robert N. Carrow, Agronomy Dept., Georgia Station, Griffin, GA, 30223-1797, USA

July 24-29, 1993

American Society for Horticultural Science

Venue: Operlyland Hotel, Nashville, Tennessee

Contact: Christine A. Radiske, 113 South West St., Suite 400, Alexandria, VA 22314-2824, USA. Tel (703) 836-4606 Fax (703) 836-2024

August 1-4, 1993

20th Annual Meeting, Plant Growth Regulator Society of America

Venue: St. Louis, MO, USA

Contact: Dr. Paul Read, Dept. of Horticulture, Univ. of Nebraska, Lincoln, NE, 68583, USA, Tel (402) 472-2854, Fax (402) 472-2853

August 6-9, 1993

Plant Growth Regulators Society of America

Venue: Clarion Hotel, St. Louis, Missouri

Contact: Dr. Louise Ferguson, Univ. of California, Kearny Agric. Res. Center, 9240 S. Riverbend Ave., Parlier, CA, 93648, USA Tel (209) 891-2500

August 8-13, 1993

9th International Congress on Virology

Venue: Osaka, Japan

Contact: Z.L. Zhang, 19 Zhongguancun Lu, Beijing 100080, China

August 12-14, 1993

Children, Plants, and Gardens: Educational Opportunities

Venue: National 4-H Conference Center, Washington, DC

Contact: Maureen Heffernan, American Horticultural Society, 7931 East Boulevard Drive, Alexandria, VA 22308, USA. Tel (703) 768-5700

August 23-September 3, 1993

XV International Botanical Congress

Venue: Tokyo, Japan

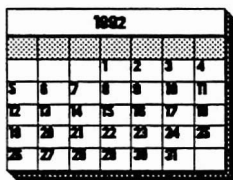
Contact: XV Intl. Botanical Congress Tokyo, Dept. of Botany, Faculty of Science, Univ. of Tokyo, 7-3-1 Hongo, Buno-ku, Tokyo 113, Japan

September 6-10, 1993

14th Asian Pacific Weed Science Society and 10th Council of Australian Weed Science Societies Conference

Venue: Sheraton Brisbane Hotel and Towers, Queensland, Australia

Contact: 14th APWSS and 10th CAWSS Conference, P.O. Box 1237, Milton, Queensland 4064, Australia, Fax 6273671471



**DATES
AND
EVENTS**

1993

June 14-16, 1993

EWRS International Symposium on Quantitative Approaches in Weed and Herbicide Research and Their Practical Application

Venue: Braunschweig, Germany

Contact: EWRS Symposium 1993, C/O Dr. Th. Eggers, Inst. f. Unkrautforsschung, Biolog. Bundesanstalt, Messeweg 11/12, W-3300 Braunschweig, Germany, Tel 49531399433, Fax 49531399239

June 20-26, 1993

International Workshop on Sustainable Land Mangement for the 21st Century

Venue: University of Lethbridge, Alberta Canada

Contact: Cindy LaValley, Coordinator, International Workshop Organizing Committee, Univ. of Lethbridge, 4401 University Drive, Lethbridge, Alberta, Canada, T1K 3M4, Tel (403) 329-2244, Fax (403) 329-5166

June 28-29, 1993

Southern African Weed Science Society Drakensberg Congress

Venue: Cathedral Peak Hote, Natal

September 14-16, 1993

13th Long Ashton International Symposium Arable Ecosystems for the 21st Century

Venue: Bristol, UK

Contact: Mr. H.M. Anderson, Dept. of Agric. Sciences, Univ. of Bristol, AFRC Institute of Arable Crops Research, Long Ashton Research Station, Long Ashton, GB Bristol BS18 9AF, UK, Tel 44275392181 Fax 44275394007

September 19-22, 1993

Environmental Concerns in Rights-of-Way Management, 5th International Symposium

Venue: Delta Montreal Hotel, Montreal Canada

Contact: Anne-Marie Braconnier, Hydro Quebec, 800 Sherbrooke St. West, 4th Floor, Montreal, Quebec, H3A 2M7, Canada. Tel (514) 289-4755 Fax (514) 289-3691

September 22-24, 1993

2nd International Symposium on Pesticide Application Techniques

Venue: Strasbourg, France

Contact: British Crop Protection Council, 49 Downing Street, GB Farnham, GU9 7PH, Surrey, UK, Tel 44252733072, Fax 44252727194

October 12-13, 1993

IX Symposium Pesticide Chemistry-Mobility and Degradation of Xenobiotics

Venue: Piacenza, Italy

Contact: Organizing Committee, Istituto di Chimica Agraria e Ambientale sezione Vegetale, Via Emilia Parmense 84, I-29100 Piacenza, Italy. Tel 39523612600 Fax 3952365318

November 7-11, 1993

American Phytopathological Society Annual Meeting

Venue: Opryland Hotel, Nashville, Tennessee, USA

Contact: Joan M. Schimml, Meetings Coordinator, APS, 3340 Pilot Knob Road, St. Paul, MN, 55121-2097, USA, Tel 612 454-7250

November 18-20, 1993

International Symposium on Integrated Weed Management for Sustainable Agriculture

Venue: CCS Haryana Agricultural University, Hisar, India

Contact: Dr. R.K. Malik, Dept. of Agronomy, CCS Haryana Agric. University, Hisar 125004, India

November 22-25, 1993

1993 Brighton Plant Protection Conference-Weeds

Venue: Brighton, UK

Contact: British Crop Protection Council, 49 Downing Street, GB Farnham, GU9 7PH, Surrey, UK, Tel 44252733072, Fax 44252727194

December 6-8, 1993

Canadian Expert Committee on Weeds Joint Eastern and Western Section

Venue: Hilton Hote, Edmonton, Alberta

Contact: John O'Donovan, Alberta Agriculture, Plant Industry Division, 7000 113 Street, Edmonton, Alberta, T6H 5T6, Canada. Tel (403) 632-8208

December 7-9, 1993

North Central Weed Science Society

Venue: Kansas City, MO, USA

Contact: Robert Schmidt, 309 West Clark St., Champaign, IL 61820, USA

December 9-10, 1993

Herbicide Resistance Workshop

Venue: Edmonton Hilton Hotel, Edmonton, Alberta, Canada

Contact: John O'Donovan, Tel (403) 632-8208

1994

April 4-7, 1994

5th Global Warming International Conference and Expo

Venue: San Francisco, CA, USA

Contact: The Global Warming Intl. Center, 7501 Lemont, Suite 335, Woodridge, IL, 60517, USA. Tel (708) 910-1551 Fax (708) 910-1561

September 18-22, 1994

European Society for Agronomy 3rd Congress

Venue: Padova University, NE Italy

Contact: ESAg Third Congress, Organizing Secretariat, Sistema Congressi, Via Jappelli, 12, 35121 Padova, Italy. Tel 3949651699 Fax 3949651320

IWSS Board of Directors:

European Weed Research Society (EWRS)

Mrs. Britt Pessala, Espoo Research Centre, Kemira OY, P.O. Box 44, SF-02271, Espoo, FINLAND

Weed Science Society of America (WSSA)

Dr. Robert D. Williams, Chairman, WSSA Intl. Affairs Committee, Water Quality and Watershed Research, USDA-ARS, P.O. Box 1430, Durant, OK, 74702, USA

Assoc. Latinamericana de Malezas (ALAM)

Dr. Robinson A. Pitelli, Universidade Estadual Paulista, Faculdade de Ciencias Agrarias and Verterinarias, 14870 Jaboticabal, SP, BRAZIL

West African Weed Science Society (WAWSS)

Dr. I.O. Akobundu, IITA, C/O L.W. Lambourn & Co., 26 Dingwall Road, Croydon, Surrey, CR9 3EE, UNITED KINGDOM

Weed Science Society of East Africa (WSSEA)

Dr. R. Michieka, Dept. of Crop Science, Kabete Campur, P.O. Box 30197, Nairobi, KENYA

Asian-Pacific Weed Science Society (APWSS)

Miss J.A. Bibo, Alan Fletcher Res. Station, PO Box 36, Sherwood, Queensland, 4075, AUSTRALIA

FAO Weed Control Specialist

Dr. R.E. Labrada-Romero, Weed Officer, Plant Protection Service, FAO, Room C-750, Via delle Terme di Caracalla, 00100, Rome, ITALY

**INTERNATIONAL WEED SCIENCE SOCIETY
AWARD NOMINATION FORM**

PLEASE NOMINATE _____ OR SECOND THE NOMINATION _____ OF

Nominee _____
Affiliation _____
Address _____

Phone _____ FAX _____

Justification: (See the criteria)

(The nomination packet should include Nomination letter, three supporting letters, and current resume of the nominee)

Nominator _____
Address _____

Phone _____ FAX _____

¹Mail to Dr. Prasanta C. Bhowmik, Plant and Soil Sciences, Stockbridge Hall, University of Massachusetts, Amherst, MA 01003 U.S.A.

FILE: IWSS-93F.QF3



**Application for Membership-International Weed Science Society
Oregon State University
Cordley Hall 2040
Corvallis, Oregon 97331-2915 USA**

Membership in the International Weed Science Society (IWSS) is open to individuals of all nations interested in encouraging and promoting the development of knowledge concerning weeds and their control. The annual membership dues are: Individual, \$10.00; Affiliate Membership, \$50.00; and Lifetime Membership, \$200.00. Payment of dues entitles active members to voting privileges and receipt of the IWSS Newsletter and Membership Directory.

Name _____

Company _____

Address _____

City _____

State/Zip/Country _____

Phone _____ Fax _____

Type of Membership: Individual Amount enclosed \$ _____
 Affiliate
 Lifetime

Mail your application and check payable to the International Weed Science Society to:

**Susan Larson, Executive Secretary
International Weed Science Society
Oregon State University
Cordley Hall 2040
Corvallis, Oregon 97331-2915 USA**

Deadline for Dec. 1993 Newsletter Articles is
Nov. 1, 1993

Send newsletter material to:
Susan Larson
IWSS Newsletter Editor
Oregon State University
Cordley Hall 2040
Corvallis, Oregon 97331-2915 USA

Phone: 503 737-3541
Fax: 503 737-3080

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