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IWSS Newsletter is the biannual newsletter of the International Weed Science Society. IWSS is a membership organization dedicated to encourage, promote, and assist development of weed science and weed control technology on a global level.

Membership fees are US \$10 annually, with lifetime membership available at US \$200. Subscription/membership information can be

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From the President — 3rd IWSC A Success

The Third IWSC meeting held in Foz do Iguassu, Brazil, was the most promising event that I have witnessed for weed science in the past 20 years. Let me elaborate.

Almost 700 delegates who represented a complete spectrum of subdisciplines and complementary disciplines attended the meeting. Much of the credit for this diversity goes to Jonny Gressel, who as Scientific Program Chairman, put together a well-balanced and attractive menu of topics and subtopics. He organized a representative (by discipline and geography) scientific program committee that worked for several years under his guidance, arm twisting, and direction. This resulted in more than 500 posters and oral presentations that represented the complete spectrum of weed science. The posters were judged for quality, and authors of the twenty best posters received a copy of *World Weeds* contributed by Jim Herberger. There was plenty for everyone throughout the five days of the program. This was the largest program I am aware of in the history of weed science.

The Brazilian organizing committee, chaired by João Baptista da Silva, did a superb job of organizing the logistics, finances, and social program of the meeting. The venue was excellent, the weather was perfect, and Brazilians ran the meeting with great hospitality, efficiency, and professionalism. The social program allowed scientists to unwind after full days of papers, posters, and discussions.

I must also thank Anne Légère for her voluntary efforts as Abstract Editor. I apologize to the many others who I have not mentioned who contributed their time in order to make this meeting the success that it was.

Both the scientific program committee and the local organizing committee attempted to subsidize the travel of more of those with limited resources (*e.g.*, graduate students, junior staff and faculty, and those from developing countries). Several people commented on the lower grey hair quotient at this meeting. There were delegates from approximately 70 countries. The commitment of resources to those who needed it most increased participation and diversity, making the meeting better for everyone. We thank the many organizations that provided funding for making this possible.

This meeting provides weed science a great deal of momentum that should not be lost. A scientific program committee for our next meeting in Durbin, South Africa in 2004 will be formed soon. They have their work cut out for them. An international invasive plant species group was formed at the Brazil meeting. They plan to meet again as a formal part of our program in South Africa (see the article about this on Page 4). The South Africa IWSS organizing committee also has a long four years of work and preparation.

I would like to thank those rotating off the IWSS Board of Directors for their great efforts to build IWSS. In addition to chairing the Scientific Program Committee for the congress, Jonny Gressel has served you for six years as your Vice President, President, and Past President. His efforts and accomplishments for IWSS are many. Carol Mallory-Smith has been your Secretary/Treasurer for four years. In addition, she has been editor of the newsletter and webpage. She has worked diligently and hard for IWSS these four years. We will miss these two on the board, but they are due for a rest.

Your new board of directors will be considering increasing participation in IWSS through educational and communication activities. Much of this will be through our website (<http://www.css.orst.edu/weeds/iwss/>) and new committees. I may be asking many of you to participate in these activities. If you have suggestions, announcements, or any other information that you think should be on our website, please send it to me at sduke@olemiss.edu. I look forward to serving you for the next four years. Let us keep up the momentum.

Stephen Duke, President

Dr. L. J. Matthews

A Remembrance

Weed Science has lost one of its leaders and most effective advocates for the indispensable role of good weed management in agricultural development. Dr. L. J. Matthews died from cancer on May 10, 1999 in Italy. Les, was born March 7, 1925 to a farming family in New Zealand. He completed his bachelor's degree with honors in Geology at Auckland University. His first job was with the the New Zealand Forestry Department but he soon moved to the newly formed weed control unit of the New Zealand Department of Agriculture. In fact, Les developed the weed control unit and completed a distinguished career in weed science with the New Zealand Department of Agriculture. He was among the leaders in the development of weed science in New Zealand and the Asian-Pacific region. Dr. Matthews was the second United Nations / Food and Agriculture Organization weed officer in the Division of Plant Production and Protection. He served, with distinction, from July 1977 to March 1987, when he retired. He was an honorary member of the Weed Science Society of America (1981) and one of the creators of the International Weed Science Society.

Throughout his career, Les was a man of passionate convictions about the role of weed science in the world and most importantly in the world's developing countries. Those fortunate enough to work with him learned of his passion for weed science and his clear opinion about the essential role of good weed management programs in third world agricultural development. His words and actions on behalf of good weed management were always clear and unambiguous. Some might remember him as stubborn or impetuous, but no one who knew Les doubted the sincerity of his convictions or his dedication to improved weed management as one of the key ingredients for agricultural development. His voice on behalf of weed science is silent but his message is as vital as it was when he delivered it so regularly and clearly.

Les is survived by his wife, Jean and their four children.

Jerry Doll to Assume Newsletter Editor Duties

Dr. Jerry Doll, IWSS lifetime member, will take over the duties of newsletter editor from Carol Mallory-Smith, beginning with the January 2001 edition.

Dr. Doll received his Ph.D. in Weed Science from Michigan State University and then joined the Peace Corps. After serving two years as a weed scientist with the Institute of Colombian Agriculture, he joined CIAT in Cali, Colombia. He spent five years with CIAT, where his primary activities were weed science training and research.

Since 1977, he has been an extension weed scientist at the University of Wisconsin, conducting research and teaching.

Please send news items to:

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International Weed Science Society

July 2000

**Summary Report of the First Near East Conference on
Improved Weed Management**

Cairo, Egypt

February 5-8, 2000

The Near East Working Group for Improved Weed Management (NEWGIM) held its first regional conference in Cairo, Egypt, February 5-8, 2000, with active assistance of the NE FAP plant protection office. The conference was under the auspices of his excellency the Deputy Prime Minister and Minister of Agriculture, Prof. Dr. Yousuf Wali. Weed Scientists from the region submitted 62 papers; however, only 41 were able to attend and present their work. They came from eight countries: Cyprus, Egypt, Jordan, Lebanon, Morocco, Saudi Arabia, Sudan, and Syria. In addition, the following organizations were represented: Arab Organization for Agricultural Development (AOAD), FAO, and ICARDA. Topics covered included weed management in agronomic and horticultural crops, parasitic and aquatic weeds and miscellaneous weed problems.

Weed management papers on agronomic crops included wild oat control and the effect of herbicides on weeds in wheat, sunflower, lentil, canola, and maize. Presentations in horticulture included weed control methods in plum orchards, grapes, and potato. The sessions on parasitic weeds included losses due to *Orobanche* in faba beans, peas, and tomato. It was reported that placement of tomato transplants at a depth of 15 cm escaped parasitism. It also was reported that Neem Powder and Olive "Jift" (pomace) have potential use as bioherbicides for *Orobanche* and that *Orobanche* extract may have an antibiotic effect. One paper was presented on dodder control in Egyptian clover. Other papers dealt with aquatic weed management, water hyacinth, weed control in rice, microbial metabolism and pesticides, and economic evaluation for wild oat management.

Five plenary papers were presented by NEWGIWM, FAO, and AOAD representatives. Dr. Mahmoud Tahir, NE FAO senior plant protection officer in

Cairo, gave introductory remarks on Weed Management in the Near East Region. Dr. Barakat Abu Iremeileh, Chairman of NEWGIWM Committee, discussed Weed Management in the Near East-General view. Dr. A.R. Saghir, member of NEWGIWM from Lebanon, presented a paper on Needs for New Weed Management Technologies for the Near East in the Twenty First Century. Mr. P. Americanos, member of NEWGIWM from Cyprus, discussed Research methods and field experiments in weed management, and Dr. Mamoun Bashier, from AOAD, reported on the organization's effort in improving weed management in Arab agriculture.

A round table discussion to evaluate the conference was held and recommendations for future NEWGIWM activities were made. In regards to evaluation, it was felt that the meeting was successful in bringing together young and experienced weed scientists, which resulted in useful exchange of ideas. Future meetings should be targeted towards helping in a more direct way the farming community, although the value of research was recognized.

The following recommendations were made :

1. There should be more emphasis on training staff dealing in weed management and weed science should be included in university curricula.
2. Weed management should have a holistic approach taking into consideration the socioeconomics of the farming communities.
3. Integration, stressing teamwork among disciplines and institutions, national and regional should be encouraged.
4. National and regional awareness campaigns in weed management should be mounted.
5. Establish a data base of weed management, including personnel and areas of interest. Also, establish a home page/website for NEWGIWM
6. NEWGIWM should prioritize areas of study e.g., weed biology, parasitic weeds, loss assessment, technology transfer, etc.
7. Herbicide registration in the region should conform with the FAO Code of Conduct.
8. Farmer schools in weed management should be encouraged.

9. NEWGIWM's next regional activity should be a hands-on training course for extension personnel and progressive farmers

4th International Weed Science Congress Venue Announced

The Southern African Weed Science Society (SAWSS) cordially invites the International Weed Science Society to Durban, South Africa, for the 4th International Weed Science Congress, 2004. The congress will take place in the International Convention Centre (ICC), Durban. The ICC is 15 minutes from the Durban International Airport and minutes from hotels and beaches, and is a world class convention centre, which can accommodate a plenary session, trade exhibitions and a number of large parallel sessions and smaller meetings. Durban is well served with excellent transport infrastructure, offering affordable, fast and reliable services to travellers. Durban has a large selection of reasonable accommodations, which will suit all requirements. The region, although proud of its traditional heritage, has a hospitality industry, offering all the facilities you expect. Within parameters of the Durban Functional Region there are approximately 17 000 beds found in hotels which include luxurious five star establishments and self-catering apartments located on the beachfront, intimate guesthouses and quaint country lodges. Regarding recreation and culture, Durban offers a unique diversity of African, Asian, and European cultures, provides a rich and alluring melting pot of excitement and flavor. In addition to Durban having the functional advantage of being a conference destination, it also has the opportunity to show delegates and accompanying persons a dazzling variety of landscapes and culture within a relatively short driving distance, definitely a "World in one Province." Delegates will be able to join excursions and even walk about tours, scenic drives through Durban city center, historical Durban, the beachfront, harbor, Indian Market, University of Natal, Botanical gardens, the Umgeni River Bird Park, Natal sharks Board, Valley of a Thousand Hills, Indian culture experiences, the South African Sugar Association Experiment Station (SASEX), etc. Durban is a city of contrasts, therefore, specialized tours can be "tailor-made" for guests. Durban is located in the KwaZulu Natal Province, which is the gateway to the rest of South Africa and offers visitors a multifaceted, unbeatable variety of trips to quite different experiences and topographies. Within a reasonable travelling distance from Durban, a wide variety of attractions may be offered to delegates as pre and post congress tours for example: tours to the famous Wetlands of the St. Lucia Estuary, the Ubombo mountains, coral reefs, game reserves, battlefields, tours to Cape Town - famously known as 'The Mother City', the

Garden Route - which boasts a wonderful scenic experience, the Kruger National Park - situated on the eastern side of the country, the Victoria Falls and Lake Kariba in Zimbabwe and tours to Botswana, etc. The local Organizing Committee meets in August 2000, to decide on congress dates, the scientific programme, social events, excursions, pre-and post congress tours, registration fees, expenses, etc. The SAWSS, together with the IWSS, can assure you of an affordable congress that will comply with excellent scientific and social standards

Global Movement and Prevention of New Weeds. A New Challenge for IWSS.

By: Randy G. Westbrooks and Deborah C. Hayes. U.S. Department of the Interior, Whiteville, North Carolina, and U.S. Department of Agriculture, Washington, D.C.

Most people would agree that in order to prevent the establishment and spread of new weeds around the world, it is important to detect, assess, and quickly respond to new outbreaks. However, by the time most new weeds are detected, it is usually too expensive or impractical to eradicate them. With control costs and losses due to weeds in the United States alone exceeding over \$20 billion per year, it is clear that prevention must become a high priority in weed science. At the recent International Weed Science Congress in Iguassu Falls, Brazil, weed prevention was brought into sharp focus at a symposium entitled “*Global Movement and Management of New Invasive Plants*”, and at an IWSS Roundtable on creating a Global Early Warning System for Invasive Plants.

The symposium, which was conducted on the last day of the Congress, featured a number of prominent plant scientists and weed regulatory officials from around the world.

Main topics of the symposium included:

- modes of movement of invasive plants,
- invasive plant quarantines and phytosanitary issues,
- new approaches for management of invasive plants, and
- geopolitical aspects of free trade on the spread of invasive plants.

The highlight of the symposium was the All Congress Lecture which was provided by Dr. Robert Eplee from North Carolina (WSSA Fellow, recently retired from the USDA) who spoke on “*The Great Global Exchange. A Perspective on the Global Movement of Invasive Species and Trade*”.

The symposium, which was a big success, was made possible by a \$25,000 grant from the United States Department of Agriculture. The funding provided travel grants for several speakers and supported the Congress in general.

On Friday evening of the Congress, an International Roundtable was held on the need for increased international cooperation in addressing new and emerging invasive plants through creation of a Global Early Warning and Rapid Response System. As envisioned by forum organizers, the system would include:

- a global network of plant scientists and others to detect and report new invasive plants to appropriate authorities;
- establishment of new interagency partnerships at the local, state, regional, national, and international level, to ensure that new outbreaks are promptly assessed and addressed; and
- development of a distributive internet based information management system to provide for information sharing and weed alerts.

It was the conclusion of the group that IWSS would provide an ideal international forum for sharing of information on new weeds, and could be instrumental in fostering the creation of a global early warning system. In the near future, forum organizers will submit a proposal for establishing an IWSS Global Early Warning Committee to pursue these issues to IWSS President Steve Duke and the IWSS Board of Directors. Once approved, the committee will work with the Invasive Species Specialist Group (ISSG) of the World Conservation Union and the Global Invasive Species Programme (GISP) to develop such a system. One near term goal of the new committee will be to host another symposium on invasive plants at the next international Weed Science Congress meeting in South Africa in 2004. A major focus of that symposium will be early detection and management of invasive plants in natural areas.

IWSS members who would like to participate in the proposed committee, or would like to have further information about efforts to establish a National Early Warning and Rapid Response System for Invasive Plants in the United States should contact Dr. Randy Westbrooks, Invasive Species Coordinator, U.S. Geological Survey, Whiteville, North Carolina (e:mail:

rwestbrooks@weblink.net) (phone: 910-648-6762), or Dr. Deb Hayes, Invasive Species Coordinator, U.S. Department of Agriculture, Washington, D.C. (E-mail: deborah.hayes@usda.gov) (Phone: 202-720-5827). Weeds Won't Wait!

NOTE: *Dr. Deborah Hayes is the Invasive Species Coordinator in the United States Department of Agriculture. Prior to this, Dr. Hayes served as the National Weed Coordinator in the USDA Forest Service and the Co-Chair of the Federal Interagency Committee for the Management of Noxious and Exotic Weeds (FICMNEW). In her new position, Dr. Hayes will coordinate all USDA invasive species programs and serve as a liaison with other departments in developing a unified national invasive species program.*

Dr. Randy Westbrooks is as the Invasive Plant Coordinator in the U.S. Geological Survey, U.S. Department of the Interior (DOI), in January, 2000. Prior to this he served as the National Weed Coordinator for USDA Animal and Plant Health Inspection Service, and the USDA-DOI Invasive Plant Liaison. In his new position, Dr. Westbrooks will coordinate the invasive plant research program of the USGS Biological Resource Division. He is also working to facilitate the creation of a coordinated operational framework to enhance interagency cooperation in addressing invasive species at the local, state, regional, national, and international levels.

Dr. Hayes and Dr. Westbrooks are leading a national effort to create a National Early Warning System for Invasive Plants in the United States

International Weed Science Society

CALL FOR PAPERS - 2001 WSSA MEETING

The Weed Science Society of America is encouraging international weed science colleagues to submit a paper or just attend our annual meeting on February 11 through 14, 2001, at the Sheraton Four Seasons Hotel in Greensboro, NC. The International Weed Congress in Brazil was extremely successful and continues the excellent communication among weed scientists throughout the world. The WSSA 2001 meeting will offer an excellent program and forum to continue our international exchange of ideas.

Volunteer papers and posters require abstracts to be electronically submitted by September 11, 2000. To submit abstracts electronically, go to the Weed Science Society of America homepage (<http://www.wssa.net>). If you cannot submit the title and abstract electronically, please request a submission package from the Abstract Editor, John Wilcut, at Crop Science Department, North Carolina State Univ., Box 7620, Raleigh, NC 27695-7620, (Phone) 919 515-5647, and (Fax) 919 515-5315, john_wilcut@ncsu.edu.

Hopefully, we will see you in Greensboro!

Dick Oliver - WSSA President

Dates and Events

2001

March 13-15

6th International HCH and Pesticides Forum

Venue: Poznan, Poland

Contact: Mr. Stanislaw Stobiecki

Tel: +48 32 238 7584

Fax: +48 32 238 7503

Email: stock@ior.gliwice.pl

Website: <http://hjem.get2net.dk/HCH-Pesticides>

May 28-June 2

18th Asia-Pacific Weed Science Conference

Venue: Beijing, China

Contact: C. Zhang, APWSC, Institute of Plant Protection, CAAS, No. 2
West Yuanmingyuan Road, Beijing 100094, China

Tel: 86-10-6281-5908

Email: CXZhang@publiceast.cn.net

Website: www.wssc.org.cn

June 23-27

**28th International Symposium on Controlled Release of Bioactive
Materials**

Venue: California, USA

Contact: The Controlled Release Society

Tel: +1 847 808 7071

Fax: +1 847 808 7073

Email: info@controlledrelease.org

August 13-17

6th International Symposium on Adjuvants for Agrochemicals

Venue: Amsterdam, The Netherlands

Contact: H. de Ruiter, ISAA 2001 Foundation, PO Box 83, NL-6870 AA
Renkum, The Netherlands

Fax: 31-317-350-812

Email: H.deruiter@issa2001.com

Website: www.isaa2001.com

2002

August 4-9

**10th IUPAC International Congress on the Chemistry of Crop
Protection: Innovative Solutions for Healthy Crops**

Venue: Basel, Switzerland

Contact: IUPAC 2000, c/o Novartis CP AG, WRO-1060.1.42, CH-4002

Basel, Switzerland

Tel: +44 61 697 4507

Fax: +44 61 697 7472

Website: www.cp.novartis.com/iupac2000

International Weed Science Society

WEED SCIENCE WEB SITES

For IWSS

: <http://www.css.orst.edu/weeds/iwss/>

For EWRS

: <http://www.res.bbrsc.ac.uk/ewrs/>

E-mail contact: cussans@bbrsc.ac.uk

For WSSA

: <http://piked2.agn.uiuc.edu/wssa/>

E-mail contact : dpike@piked2.agn.uiuc.edu

Other weed database addresses are:

Exotic-Plants US mail list: [Exotic- Plants@igc.apc.org](mailto:Exotic-Plants@igc.apc.org)

IUCN-ISSG-Aliens-L: aliens-l@ns.planet.nz

USDA-APHIS-noxious-weeds: weeds@infor.aphis.usda.gov

World Weed Database UK: wwd-l@plant-sciences.oxford.ac.uk

The Weed Science Group in Western Australia:

<http://www.agric.wa.gov.au/progserv.plants/weeds/>

Cooperative Research Center (CRC), Weed Management Systems, Victoria, Australia

<http://www.waite.adelaide.edu.au/CRCWMS>

Weed Science Society of Victoria

<http://www.vicnet.net.au/~weedsoc/>

International Survey of Herbicide Resistant Weeds

<http://www.weedscience.com>

Council of Australian Weed Science Societies

<http://www.vicnet.net.au/~weedss/>

From the Past President

The III International Weed Science Congress held in Foz do Iguassu, Brazil, 6-11 June 2000, was a real success. More than 750 participants from 62 countries attended the congress. The Brazilian counterpart led by the chairman of the congress, Dr Joao Baptista da Silva, did a very good organizational work. The facilities of the congress were simply excellent. Brazil showed once more its hospitality and warmness.

Several participants in the congress came to me to express their gratitude for the excellence of the congress. In all cases I said that the merit belongs to the Brazilians. We must acknowledge that since the 1995 congress held in Florianopolis, Brazil, the Brazilian Weed Science Society clearly expressed its interest and willingness to organize the III IWSC. The society started its work since then and by the end of June 1996 a group of three specialists came to the II IWSC in Copenhagen and successfully applied for the venue of the congress.

In Brazil there were three strong candidates for the next venue of IWSC: India, Israel and South Africa. A Site Selection Committee seriously checked all bid documents and carefully analyzed advantages and disadvantages of each candidate. The selection of Durban, South Africa, was later approved unanimously by the new IWSS board. Our congratulations to our colleagues in South Africa. Personally I hope that this congress in 2004 will be attended by several weed scientists in Africa.

The congress in Brazil was a culmination of a work started by the previous IWSS president Dr Jonathan Gressel four years ago. It was also the last activity carried out the last IWSS board. There is a new board led by Dr Steve Duke with Drs Anis Rahman and Bernal Valverde as Vice- President and Secretary, respectively. This board is now in a better position to conduct a more consistent work. Its new term is for four years, which enables them to plan various

activities, including the organization of IV IWS Congress. In addition, the inclusion of new IWSS regional coordinators is a guarantee to reach weed science community in many parts of the world. As Past President I would like to wish good success to the new colleagues in the board.

In my short term as IWSS president various colleagues kindly provided support to the activities carried out and I would like this time to express my sincere gratitude to Drs Bernal Valverde, Robert Zimdahl, Kyl Ung Kim, R. Malik, Gualbert Gbehounou, Ona Sakaliene, Robinson Pitelli, Joao Baptista da Silva, Jens Streibig, Anis Rahman among others.

Also as Past President I would like to insist on the need to improve the work of IWSS in least developed regions of the world. The society has an excellent membership and its specialists may substantially contribute to the improvement of weed management in several developing regions and sub-regions of the world. Obviously, limited funds hinder the intentions to organize more activities in these areas, but our willingness and efforts in this direction may help us to concretize some activities and even projects in the near future. There are other activities which do not need extra funds to be carried out, e.g. updated web pages of IWSS with technical sections included and more informative issues of the newsletter. IWSS may also prepare and publish some booklets with relevant topics to weed science community.

The coming four years are an opportunity to IWSS, which should not be wasted. Let's look forward with required optimism

Regional Course Held in Bangkok

Regional Course on weed ecology and competition for Asian countries was held in Bangkok during the days between 20 and 27 March 2000. Participants from Bangla Desh, China, India, Indonesia, South Korea, Malaysia, Nepal, Philippines and Thailand attended the course, which was organized by the Thai Department of Agriculture and lectures carried out by Drs Andean Christiansen, Maurizio Sattin and FAO Weed Officer, Ricardo Labrada.

The course also included a visit to the field and presentations of each participant about weed problems in his/her country. In addition, the participants formulated a project idea proposal about improvement of weed management in the region. Although the content of the course was not specific to a particular crop, major emphasis was always given to problems of weeds in rice.