

INTERNATIONAL WEED SCIENCE SOCIETY



**July 2003
Newsletter**

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**The IWSS Newsletter is available on the
Internet at:**

www.olemiss.edu/orgs/iws/DEFAULT.HTM

President's Message

Three years have passed since our truly excellent 3rd International Weed Science Congress in Brazil. Please make plans to attend the 4th IWSS next year (June 19-25) in Durban, South Africa. A more detailed description of the social and scientific program for the meeting can be found in this newsletter. We intend to have a diverse program that will have several topics interest for everyone. Furthermore, if you have not been to South Africa, I think that you will find the experience interesting and delightful, as both of my recent trips have been.

I realize that, for many of you, this is a long journey, travel budgets have been cut, and there is a heightened level of concern about air travel. Other meetings, such as the 15th International Plant Protection Congress have had to be rescheduled because of SARS (it has been rescheduled for May 11-15, 2004). Asian participants from SAR-affected countries did not attend the recent 3rd Pan Pacific Conference on Pesticide Science. Times are very tough for the plant protection industry, so there are fewer industry participants and less funding from industry for conferences and congresses. For these and/or other reasons, attendance at many major scientific meetings has atrophied in recent years. This is extremely unfortunate for science and for scientists, since these meetings provide valuable opportunities to meet new and old collaborators, to see what the state of the art is worldwide, to discuss your work with a wide audience, and to meet, see and hear scientists that you would otherwise never have an opportunity to know.

Furthermore, the IWSS meets only every four years, and to miss this meeting would, for many of

you, puts an eight year or more gap in your attendance at an IWSS meeting. The program promises to be truly outstanding.

Also, I think that you will find South Africa a great place to visit. South Africa is a very stable country with excellent infrastructure. You will find the people friendly, the prices very reasonable, and the many sightseeing opportunities. For those with a botanical bent (and all weed scientists should have this), South Africa is a treasure trove of botanical wonders. From observing the tourists in South Africa, it seems that Europeans are more aware of these things than others. Also, our venue has been honored as the top convention site in Africa. Many other international societies have had very successful meetings there.

I hope that I have convinced you to join us with these words. If you have any questions, please contact me or any of the other organizers. A second circular should be out soon. If you will email me (sduke@olemiss.edu) for a copy, I will send you several copies. A web version of the circular will also be on line at <http://www.olemiss.edu/orgs/iws/DEFAULT.HTM>
See you in Durban,

Steve Duke

P. S. I encourage those of you who have not paid your dues, to do so.

From The Organizing Committee of the 4th IWS Congress

Plans are falling into place for an excellent Congress. We are finalizing preparation of the second circular which will be available in print and on the internet. Turners Conferences & Conventions (Pty) Ltd are the main congress organizers, including the pre and post congress tours. Their contact details are: Turner17@galileosa.co.za; P.O. Box 1935, Durban, 4000 (Website: www.turners.co.za). You will soon be able to register for the Congress online at their web site.

Funding of the congress is a problem as sufficient sponsorship has not yet been found. Anybody with proposals regarding funding should contact Dr.

Chris Mulder, Chairman of the Local Organizing Committee (chris.mulder@basf-s-africa.co.za).

Funds can be paid into the account of the 2004 IWSC. Details are: Account name: South African Weed Science Society t/a IWSC 2004 or SA Weed Sci. Soc. t/a IWSC 2004 The Standard Bank of SA Limited Branch: Nelspruit Branch; Branch Number 05285243; Account number: 03 291080 0; S.W.I.F.T. address: SBZA ZA JJ

From The Scientific Program Committee of the 4th IWS Congress

The scientific program of the 4th IWSC in Durban, South Africa is based on 26 topics that cover the most relevant aspects of modern weed science. Each "Congress Day" will begin with a 'Keynote Presentation' followed by concurrent sessions, Poster session and Poster Discussions.

Leading scientists from all over the world were nominated as 'Organizers' and 'Moderators' (see table that follows) and were asked to organize the sessions. Each session will comprise of several invited oral presentations that will review the 'State of the Art' in the field, several contributed oral presentations and a 'Poster Session and Discussion'.

The backbone of the 4th IWSC is the Poster Sessions where the majority of the contributed papers will be presented. Each poster session will be followed by a discussion session lead by the organizers and moderators, with the active participation of the presenters.

Abstracts for all papers and posters must be submitted by 31 Dec. 2003. Details on this will be in the 2nd Congress circular and soon on the Congress web site.

We encourage all the IWSS members to come, participate and actively contribute to the high quality scientific program.

Baruch Rubin and Charlie Reinhardt
Co-Chairs, Scientific Program

Scientific Sessions of the 4th Congress

Main Topic	Organizer and Moderator(s)	E-Mail Addresses
1. Application, Formulations, and Adjuvants	Green, J. USA; Zabikievicz, J. New Zealand	Jerry.M.Green@usa.dupont.com jaz@forestresearch.co.nz
2. Aquatic Weed Management -	Labrada, R. Italy; Martinez, Marisela Mexico	Ricardo.Labrada@fao.org mmartine@tlaloc.imta.mx
3. Biological Control	Chrudattan, R; Pitelli, R. Brazil; Zimmermann, H. G. South Africa	rc@mail.ifas.ufl.edu pitelli@fcav.unesp.br riethgz@plant2.agric.za
4. Education and Technology Transfer	Ahrens, W. China; Jim Kells, USA;	bahrens@online.ln.cn kells@pilot.msu.edu
5. Environmental Fate of Herbicides (soil, air, water)	J.-P. Claude, France; Weber, J. USA; Walker, Alan UK	Jean-Pierre.Claude@fra.dupont.com jerry_weber@ncsu.edu allan.walker@hri.ac.uk
6. Graduate Student Award Presentations	Streibig, J. Denmark; P. Banks, USA	Jens.C.Streibig@agsci.kvl.dk MarathonAg@zianet.com
7. Herbicide-Resistant Crops	Christofoletti, P. J. Brazil; Stephenson, G. Canada	pjchrist@carpa.ciagri.usp.br gerry.stephenson@rogers.com
8. Herbicide-Resistant Weeds	Powles, S. Australia; De Prado, R. Spain	spowles@agric.uwa.edu.au qe1pramr@uco.es
9. Integrated Weed Management and IPM	Valverde, B. Costa Rica; Martin Kropff, Netherland	bev@kvl.dk martin.kropff@cwe.dpw.wag-ur.nl
10. Integrated Weed Management in Major Crops -	Blackshaw, R. Canada; Malik, R.K. India; Gazziero, D. Brazil;	blackshaw@agr.gc.ca rkm@hau.hry.nic.in Gazziero@pr.gov.br
11. Invasive, Alien Weeds	Panetta, D. Australia; Westbrooks, R. USA	Dane.panetta@dnr.qld.gov.au rwestbrooks@weblink.net
12. Molecular and Biotechnological Approaches	Tranel, P. J. USA; Hall, C. Canada	tranel@uiuc.edu chall@evb.uoguelph.ca
13. Natural Products and Allelopathy	Yoneyama, K Japan; Dayan, F. USA; Kim, Ung-Kim Korea	yoneyama@cc.utsunomiya-u.ac.jp fdayan@olemiss.edu kukim@knu.ac.kr
14. New Approaches in Herbicide MOA	Pallett, K. Germany; Hawkes, T. UK; Wakabayashi, Japan	ken.pallett@bayercropscience.com tim.hawkes@syngenta.com kwaka@agr.tamagawa.ac.jp
15. Parasitic Weeds: Biology and Management -	Joel, D. Israel; Kanampiu, F. Kenya	dmjoel@volcani.agri.gov.il f.kanampiu@africaonline.co.ke
16. Physical Approaches in Weed Management -	Melander, B. Denmark ; Barberi, P. Italy	bo.melander@agrsci.dk barberi@sssups.it
17. Precision Agriculture and Weed Science	Hurle, K. Germany; Christensen, S. Denmark	khurle@uni-hohenheim.de svend.christensen@agrsci.dk
18. Regulatory and Public Health Aspects	Leavitt, R. USA; Malik, N. Canada	rleavitt@cdfa.ca.gov najib_malik@hc-sc.gc.ca
19. Socio-Economic Aspects	Bellinder, R. USA; Llewellyn, R. Australia	rrb3@cornell.edu rllewell@agric.uwa.edu.au
20. Weed Biology and Ecology: 20a. Weed Seed Dynamics 20b. Biology of Weeds in Rice 20c. Spatially variable weed populations	Forcella, F. USA; Grundy, A. UK; Gealy, D. USA Johnson, G. USA	Forcella@morris.ars.usda.gov Andrea.Grundy@hri.ac.uk dgealy@spa.ars.usda.gov johns510@umn.edu
21. Forest Vegetation Management	Miller, J. USA; Yaacoby, T. Israel	jmiller01@fs.fed.us ; yaacoby@agri.huji.ac.il

Main Topic	Organizer and Moderator(s)	E-Mail Addresses
22. Weed Management in Minor Crops	Bulcke, R. Belgium; Tei, F. Italy	robert.bulcke@rug.ac.be f.tei@unipg.it
23. Weed Management in Orchards and Plantations	Singh, M. USA; Filho, R. V. Brazil	msingh@lal.ufl.edu rvictori@carpa.ciagri.usp.br
24. Weed Management in Turf, Right of Ways, and Public Areas	Elmore, C. USA; P. Bhowmick, USA	clelmore@ucdavis.edu pbhowmik@pssci.umass.edu
25. Special session: Conservation Technologies for Sustainable Agriculture. Sponsored by: Crop Life International	Ashok Seth, UK	AKSt1@aol.com

Graduate Student Awards To Attend IWS Congress: A Competition

The IWSS has decided to encourage the participation of young weed scientists (M.S. and Ph.D. students) to the coming IWSC in Durban, by providing up to 6 scholarships that will cover registration fees, accommodation, and part of the travel expenses. The Graduate Student Awards Committee (Prof J. Streibig, Chairman, Dr. Phil Banks and Prof. B. Rubin) will select the awardees according to the following criteria:

1. The candidate must be enrolled as M.S. or Ph.D. student pursuing a degree related to WEED SCIENCE as of December 20, 2003.
2. Submission should be in the form of up to a 5-page manuscript including tables, figures and photos (PDF file - font 12, 1.5 space and 3 cm margin throughout), with abstract, introduction, materials and methods, results, and discussion. Deadline for submission is December 20, 2003.
3. Submissions will be appraised based on the following merits: quality of research, novelty, contribution to the discipline of Weed Science and to the society.
4. Submissions should include a letter of commitment from the major professor or institution to provide additional travel support if the student should receive the award from IWSS.
5. All material should be sent via e-mail, no later than December 20, 2003 to:

Prof. J. C. Streibig - The Royal Veterinary & Agricultural University, Dept. Agricultural Sciences (Weed Science), Room T364, Thorvaldsensvej 40, DK-1871 Frederiksberg, Denmark
(Jens.C.Streibig@agsci.kvl.dk)

Dr. P. A. Banks, Marathon-Ag/Environ Consulting, 2649 Navajo Rd, Las Cruces, NM 88007, USA (MarathonAg@zianet.com)

Prof. B. Rubin, Institute of Agricultural Plant Sciences and Genetics, Faculty of Agriculture, Rehovot 76100, Israel (rubin@agri.huji.ac.il)

IWSS Outstanding International Achievement Award Nominations

The IWSS may select two individuals for this distinguished award to be presented at the 2004 IWS Congress. Please submit your nominations (both an electronic copy and a hard copy) for this award to the **Chair of the Awards Committee by Nov. 15, 2003.**

Dr. Cesar Fernandez-Quintanilla, Chair
CCMA-CSIC
Serrano 115 B
28006 Madrid, Spain
cesar@ccma.csic.es

Criteria for the award are as follows:

- a. The nominee must have been active in Weed Science but need not be a member of IWSS.
- b. Nominations must be made by a member of IWSS or a member of an affiliated society.
- c. The nominating letter and supporting material (including a complete curriculum vitae, publication record, employment history, current position, academic credentials, other awards and honors, and a statement of justification) must explain in general and in specific terms the nominee's outstanding contributions to international weed science.
- d. The nominee must have been contributed to or been active in international weed science for at least 10 years.
- e. Members of the awards committee are not eligible to receive the award.
- f. No more than two awards will be given.
- g. The award will be given only when a suitable candidate(s) has been identified. No award will be given when there is only one nominee.

Nominees are to be judged by the Immediate Past-President, President, Vice-President, Secretary-Treasurer, Chair of the awards committee, and any other member designated by the President. Winners are decided by majority vote and will be announced at the business meeting of the Society at the 4th IWSC in Durban.

Weed Science Events and Workshops

19th Asian-Pacific Weed Science Society Conference in Manila

The 19th APWSS Conference was held in Manila, Philippines during 17-21 March 2003. The Conference was hosted by the Weed Science Society of Philippines, with the theme Weed Science, Agricultural Sustainability and GMOs. Despite a threat of war in Iraq and the SARS crisis just raising its nasty head, some 200 delegates from 20 countries participated in this Conference. The largest contingent was from Japan (49) followed by South Korea (28) and Australia (11).

The Conference included 85 papers and 44 posters on varying topics. Several interesting ideas were presented on the subject of technology transfer in the Asian-Pacific region and weed management at the small farm level. Harmonizing herbicide regulations in the Asian-Pacific region was raised as a possibility in the foreseeable future. The special symposium on GMOs was well attended and included several informative and interesting presentations. An interesting field trip to Taal volcano, Lumban and the International Rice Research Institute was organized mid week during the Conference. The Executive Committee meeting agenda included discussions on the possibility of holding Joint Symposia with WSSA at the Feb 2005 meeting in Hawaii.

The 20th APWSS Conference is scheduled for November 2005 in Ho Chi Minh City, Vietnam.

National Seminar on Alien Invasive Weeds Held in India

A three-day "National Seminar on Alien Invasive Weeds in India" was organized by National Research Centre for Weed Science at Assam Agricultural University, Jorhat from 27 – 29 April, 2003. Fourteen lead papers were presented during the seminar on the agro-biology and management of some important alien invasive weeds occurring in the country. A policy paper stressing the necessity for the development of a strategy and action plan at National level for the prevention and management of alien invasive weeds was also discussed. About 60 posters were displayed covering different aspects of alien invasive weeds.

About 65 delegates from all over India participated in the deliberations. As an awareness raising exercise, specially prepared posters on some problem weeds viz., *Parthenium hysterophorus*, *Lantana camara*, *Eichhornia crassipes*, *Ipomoea carnea*, *Mikania micrantha*, *Ageratum houstonianum*, *Chromolaena odorata* and *Mimosa rubicaulis* were distributed to the participants. The delegates were also taken around the famous Kaziranga National Park of Assam, home for the endangered single horned rhinoceros. The park is severely infested by an invasive alien weed *Mimosa* spp. At the end a unanimous resolution was passed by all the participants requesting the immediate intervention of the policy makers to contain the damage being caused by these green invaders to the agriculture and environment. N.T. Yaduraju, Director National Research Centre for Weed Science; JABALPUR – 482 004, M.P., India.



Some of the delegates to the National Seminar on Invasive Weeds

People: Awards and Changes

Rahman Receives Award

In June 2003 our vice president, Dr. Anis Rahman, was named a Companion of the Queen's Service Order for Public Service in New Zealand. The honor was bestowed in recognition of his research efforts in reducing pesticide use in New Zealand and for his contributions to the Muslim and Indian communities in Hamilton. Dr. Rahman has been in New Zealand since 1972 and is a recognized authority in weed management. Congratulations, Anis!

Chester L. Foy Retires

A charter member and past IWSS president and internationally known weed scientist, Chester L. Foy retired in 2002 after 50 years of distinguished service in weed science. He gave special attention to parasitic weeds and adjuvant chemistry. He advised 41 masters and PhD students from 14 countries, published prolifically and traveled extensively. We wish him all the best in the future.

Coming Events

2003

- Nov. 3-7 7th International Conference on Ecology & Management of Alien Plant Invasions**, Ft. Lauderdale, Florida, USA. Information on the Web at: <http://www.esa.org/ipinams-emapi7/>; Email: ipinams@esa.org
- Nov. 10-12 British Crop Protection Council International Congress: Crop Science & Technology, 2003.** Glasgow, United Kingdom. Contact: BCPC Congress Secretariat, 5 Maidstone Buildings Mews, Bankside, London SE1 1GN, UK. tel: +44 (0) 20-7940 5367/5555. Email: bcpc@event-org.com Information on the Web at: <http://www.bcpc.org/>
- Nov. 10-12 Latin American Weed Association (ALAM) Congress and Mexican Weed Science Society (ASOMECEMA) Congress.** Manzanillo, Mexico. Contact: Dr. Jose Alfredo Dominguez Valenzuela, President of ALAM and ASOMECEMA, Depto. de Parasitologia Agricola, Univ. Autonoma Chapingo. tel: 595 95 2-15 00 Ex. 5651 & 5116. Email: josev@chapingo.mx

2004

Feb. 7-11 Weed Science Society of America annual meeting; Kansas City, Missouri USA
Contact: Joyce Lancaster, Exec. Sec. WSSA, P.O. Box 7050 Lawrence, KS 66044 USA
Email: jlancaster@allenpress.com tel: 785 843-1235, extn. 250 FAX: 785-843-1274

June 19-25 IV International Weed Science Congress; Durban, South Africa

Contact: Scientific Program Co-chairs, Baruch Rubin (rubin@agri.huji.ac.il) or Charlie Reinhardt (creinhar@nsnper1.up.ac.za) Web site: <http://www.olemiss.edu/orgs/iws/4intlweedcong.htm>

Sept. 6-10. 14th Australian Weeds Conference, "Weed Management: Balancing People, Planet, Profit,"

Wagga Wagga, NSW, AUSTRALIA. Contact: R. Farnham, 14th AWC Secretariat, Charles Sturt Univ., Locked Bag 699, Wagga Wagga, NSW 2678, AUSTRALIA. Fax: 61-2-6933-4977. Email: eventsww@csu.edu.au . Web: <http://www.csu.edu.au/special/weedsconference/>.

2005

February 7-10 Weed Science Society Of America Annual Meeting, Honolulu, HI, USA.

Contact: Joyce Lancaster, Exec. Sec. WSSA, P.O. Box 7050 Lawrence, KS 66044 USA
Information on the web at: <http://www.wssa.net>. Email: jlancaster@allenpress.com
tel: 785 843-1235, extn. 250 FAX: 785-843-1274

Another Coming Event

Crop Fertility and Volunteerism: A Threat to Food Security in the Transgenic Era

There are a few places left for contributors/ authors for a small (23 person maximum) workshop that will lead to a book dealing with the possibility of de-domestication of volunteer crops leading to feral weeds, and the effects wild or weedy relatives may have on the process, and if this could be exacerbated by having transgenic (e.g. herbicide resistant, disease and insect resistant) crops supply a selective advantage to feral types, or change agricultural practices. The event will be held at the Rockefeller Bellagio Center Workshop; May 24-29, 2004. Interested scientists with research insights to this multi-faceted topic are invited to contact Jonathan Gressel, convener and editor at: Jonathan.Gressel@weizmann.ac.il.

New Publications

Herbicide Resistance Newsletter. The Western Australian Herbicide Resistance Initiative (WAHRI) has published the Winter 2003 edition of HERBICIDE RESISTANCE MATTERS (on-line at: <http://wahri.agric.uwa.edu.au/news.html>). In addition to news, the document reports on development of several models, cites publications, and discusses ongoing programs. WAHRI, Univ. of Western Australia, 35 Stirling Hwy., Crawley, WA 6009, AUSTRALIA. Email: WAHRI@agric.uwa.edu.au.

(The following are courtesy of the IPM Net News site, <http://www.ipmnet.org/IPM/>.)

Herbicide Tolerant Volunteer Plants. To address the technology- related problem of unwanted herbicide tolerant crop plants that pop up in the next crop, CropLife Canada has produced and offers a printed guide that is said to outline "sound agronomic practices and good stewardship" techniques. The document, "Best Management Practices - Controlling Herbicide Tolerant Volunteers in a Succeeding Crop," includes critical elements of an integrated weed management approach such as crop rotation, herbicide group rotation, herbicide tolerant trait rotation, variation of herbicide application timing, and tillage. Contact R. Mactaggart, CropLife Canada, 21 four Seasons Place, Suite 627, Etobicoke, ONT M9B 6J8, CANADA. Email: Mactaggart@croplife.ca . Fax: 1-416-622-6764. Phone 1-416-622-9771 Web: <http://www.croplife.ca/>

Bashing Bushland Weeds. Informative, eminently practical, and a thorough graphic delight, BUSHLAND WEEDS, A Practical Guide to their Management, amply rewards those readers with an interest in successfully dealing with invading plant species. Following a chapter on general principles for managing weeds in bushland, authors K. Brown and K. Brooks present material such as impacts, biology, and case studies for grass weeds, corms-bulbs tubers, broadleaf herbs-sedges-succulents, and woody weeds (trees-shrubs-climbers), plus an extensive weed management table for each plant category. The 108-page, softbound work offers suggestions for mapping, and includes a comprehensive 351-item reference list. The 2002 volume is replete with numerous full color photos, meticulous line drawings, and well designed, reader-friendly charts and graphs. Contact: Environmental Weeds Action Network, Inc., PO Box 380, Greenwood, WA 6924, AUSTRALIA. Email: SueD8@ca.com.au . Web: <http://www.members.iinet.net.au/~ewan/index.html>

The **IWSS Newsletter** is published in January and July to foster communication among and give information to our members and others around the globe interested in Weed Science.

Thanks to these contributors to the July 2003 issue: Steve Duke, Baruch Ruben, Charlie Reinhardt, Wayne Lotter, Chris Mulder, PJ Pieterse, N.T. Yaduraju, Jonathan Gressel, Anis Rahman, Alan Deutsch (the IPMnet NEWS) and Jerry Doll.

Deadline for items for the next Newsletter is 15 December 2003

Editor: Jerry Doll, Univ. of Wisconsin, 1575 Linden Dr., Madison, WI 53706 USA. FAX: 608-262-5217; email: jddoll@wisc.edu.

Application for Membership in the International Weed Science Society

Membership in the International Weed Science Society (IWSS) is open to individuals of all nations interested in any aspect of weeds and their management. Payment of dues entitles active members to voting privileges and receipt of the IWSS Newsletter and Membership Directory.

Membership fees are:

Individual Membership, US \$10.00 annually

Affiliate Membership (for companies, institutions, & national & regional weed science societies) US \$50.00

Lifetime Membership, US \$200.00.

Circle the type of Membership you wish to have: Individual, Affiliate, Lifetime

Payment must be in U.S. currency. **Credit card payments cannot be accepted.**

Your name _____
Company/Organization _____
Address _____
City _____
State/Zip/Country _____
Phone _____ Fax _____ Email _____

Amount enclosed \$ _____

Mail your check payable to the International Weed Science Society and mail to one of three people:

1. In North America:

Stephen O. Duke
USDA, ARS, NPURU
P.O. Box 8048
University, MS 38677 USA

2. In the rest of the World:

Bernal E. Valverde
The Royal Veterinary & Agricultural University
Weed Science
Agrovej 10, DK-2630 Taastrup, Denmark

3. To your national correspondent or regional representative in local currency. We have such representatives for South America, Central America and the Caribbean, the Middle East and North Africa, West and Central Africa, East and Southern Africa, West Europe, East Europe, India and South and SE Asia, and Central and North Asia. Their names and addresses are found on the IWSS Web site: www.olemiss.edu/orgs/iws/DEFAULT.HTM. Click on "organization" to find the one for your region.