



Newsletter



PRESIDENT'S MESSAGE

Since the last newsletter, the rest of the country has warmed up, though the drought continues where I live in California. As you can see from this Newsletter, we are well on our way to organizing the annual Conference in Lexington, Kentucky. Dallas Peterson is working with the local arrangements committee and, of course, Joyce Lancaster and Tony Ballard, to get everything in order.

The plenary session at this meeting will include a very interesting keynote presentation giving an overview of the horseracing industry in Kentucky. This will, as is the tradition, be followed by the award presentations, which this year will include one additional award on "WSSA Public Service" given to a society member for accomplishments in advancing public understanding of the scientific principles of Weed Science.

One of the other nice aspects of the 2015 meeting is that the registration rates were dropped compared to the Vancouver meeting last year. This was because of the reduced costs for this meeting, which the Board felt should be passed on to the membership. In addition, Dallas Peterson assures me that we will have an app available for the meeting with all the information on the various sessions and symposia. So you can plan the meeting directly with your smart phone.

On Sunday, before the meeting starts, there will be a very exciting and fun tour of both a famous race horse farm (WinStar) and a well-known distillery that makes high quality Kentucky bourbon (Woodford Reserve). The horse farm is very impressive as so many of the horses there have won major races, Kentucky Derby and Breeders Cup to name a couple. I had no idea that there were horses that had made over \$100 million in stud fees.

During the meeting itself, there will be three symposia, including a summary of the Herbicide Resistance Summit II entitled "Are We Going to Do the Same Thing and Expect a Different Outcome?" This symposium is being organized by David Shaw, Jill Schroeder, Mike Owen, Mike Barrett, and Harold Coble. A second symposium organized by Nishanth Tharayil, entitled "Integration of 'Omics' Approaches in Weed Science Research" will examine each component of the omics platform in detail, and highlight their relevance and applicability in weed science research. The third symposium is organized by the WSSA Graduate

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**PHOTO CONTEST
2015 GUIDELINES**
(details inside on page 6)

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Student Organization and is entitled "Preparing Students for Work after Graduate School." This symposium should be of interest to all the students attending the conference and ultimately interested in professional jobs within the Weed Science discipline. The symposium will cover many of the areas of employment within the Weed Science community, including academics, private industry, and government agencies.

In addition to their symposium, the WSSA Graduate Student Organization has been very active in other aspects this year. They are organizing their lunch discussion in Lexington to include the three Editors of the WSSA journals. The Editors will discuss important aspects required for successful acceptance of peer-reviewed manuscripts and also some of the pitfalls that often occur with papers either rejected or requiring major revision. The Editors will also give students pointers on how to be good peer-reviewers, which is a task that will inevitably occur down the road for many of the graduate students in our society. Finally, for the first time at the WSSA meeting, through the leadership of Kate Venner, Alexandra Knight, and Kurt Vollmer, the graduate students have overwhelmingly requested the establishment of a Graduate Student Poster Contest, which will be initiated in Lexington. Darrin Dodds has agreed to Chair the awards committee and is working with Kate on the criteria and structure of the contest. You will hear more about this in this Newsletter and in subsequent postings.

Other newsworthy items include the release of the Tenth Edition of the Herbicide Handbook. For now, it is only available as a hardcopy, but eventually we hope to have electronic versions of the handbook. The handbook is available at <http://psfebus.allenpress.com/wssa/Products/BookStore.aspx>. It sells for \$95, which includes shipping. As you may have already seen through the various WSSA list serve announcements, the second Herbicide Resistance Summit was held on September 10. The webcast of the summit is available online (<http://wssa.net/2014/08/resistance-summit-ii>) in case you missed it and still would like to view some or all the talks.

News with our journals is that this year's Impact Factors were released by Thomson Reuters in late July. *IPSM* had a slight drop in its Impact Factor from 0.982 to 0.838, though all other journal quality indicators went up, including the Immediacy Index, Half-Life of papers, and Number of Articles. *Weed Science* also saw a slight drop in its Impact Factor from 1.759 to 1.684. The Impact Factor of *Weed Technology* increased slightly from 1.113 to 1.141, and like *IPSM*, it also had an increase in its Immediacy Index and Half-Life. In the second quarter of the year, *IPSM* showed a financial profit for the first time. In other news with the new journal, I have decided to step down as the Editor, and Toni DiTommaso, with unanimous support from the Board, has agreed to take over as Editor in February at the WSSA meeting.

Former WSSA President and EPA liaison Jill Schroeder recently retired from New Mexico State University, but that is not the last we will see of Jill. She has taken a new position with USDA-ARS Pesticide Management Policy, as the replace for the retired Harold Coble. With Mike Barrett and the soon-to-be-appointed WSSA Fellow working with NIFA, our society will have quite a presence in Washington, DC. Finally, I have appointed Vanelle Peterson to Chair an ad hoc Strategic Planning committee. Our previous Strategic Plan is too old to be relevant to the changing environment surrounding our discipline, so this should be a document that will provide some vision on the future needs and goals of the society. We expect a draft by the 2015 meeting.

I think that just about covers all the new items during the past three months. We hope to see you at the Lexington meeting in 2015 and I wish you a very productive and enjoyable Fall.

Joe DiTommaso
President, WSSA

WSSA FUTURE MEETING SITES AND DATES

February 9–12, 2015
55th Annual Meeting
Hilton Lexington Downtown
and Lexington Convention
Center

Lexington, Kentucky
Dallas Peterson, Chair
Email: dpeterso@ksu.edu
Phone: 785-532-0405

2016
San Juan, Puerto Rico

2017
Tucson, Arizona

WSSA HOME PAGE
ACCESSED AT:

www.wssa.net

THINK NEWSLETTER

Deadline for January issue
December 1, 2014

WSSA NEWSLETTER

VOL. 42, NO. 4

OCTOBER, 2014

Published quarterly by the Weed Science Society of America. Subscription included in the annual dues paid by members of the Society. Address correspondence and information to:

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WASHINGTON REPORT

by Lee Van Wychen, Director of Science Policy

DISPELLING COMMON MISCONCEPTIONS ABOUT “SUPERWEEDS”

The WSSA Public Awareness Committee, along with input and review from several other committees and the Board of Directors, developed the following [WSSA Fact Sheet](#) about superweed myths:

Use of the term superweed has exploded in recent years and is frequently featured in news reports about herbicide-resistant weeds choking out crops. A few recent headline examples:

- **Superweeds Choke Farms**
(Des Moines Register, June 22, 2014)
- **The Rise of the Super Weed Around the World**
(Wall Street Journal, June 23, 2014)
- **U.S. Midwestern Farmers Fighting Explosion of “Superweeds”**
(Reuters, July 23, 2014)
- **Superweed Spreading through Wall, Texas**
(KLST-TV, July 29, 2014)
- **Super Weed Spreads Closer to Quad Cities**
(WQAD TV, August 4, 2014)

While there is no science-based definition for superweed, the term is often used to describe weeds believed to have special capabilities that are helping them outcompete other plants in ways never experienced before. Many associate superweed with glyphosate-tolerant crops and the suspected transfer of resistance genes from these crops to weeds. [The Oxford Dictionary](#), for example, is one of many online resources to define superweed as “a weed which is extremely resistant to herbicides, especially one created by the transfer of genes from genetically modified crops into wild plants.”

But is that the truth? Are today’s weeds “supercharged” in some way?

And if so, why is that the case?

As a nonprofit organization that promotes science-based information about weeds, their impact on the environment and how they can be managed, the Weed Science Society of America (WSSA) has compiled the information below to clarify two common misconceptions about superweeds.

Misconception 1: Rampant gene transfer between genetically modified crops and weeds is creating weeds able to resist treatment by herbicides.

Reality: There is no evidence that gene transfer is a major factor in the development of herbicide resistance. Instead, overreliance on herbicides with a single mechanism of action to control certain weeds has led to the selection of weeds resistant to that mechanism of action.

The transfer of resistance traits from genetically modified crops to weeds growing in the field is rare, and the occurrences observed and reported to date have had minimal impact. The only currently known mechanism for any crop trait to move into weeds (or vice versa) is through cross pollination – a sexual crossing between the crop and the weed. Gene flow is more likely to happen if the crop and weed are sexually compatible, near relatives. Gene flow among more distantly related plant species is rare because they do not cross as readily. There are often physiological barriers, including pollen incompatibility, varying numbers of chromosomes and other factors that serve as impediments.

Even among sexually compatible crops and weeds, the opportunity for crop-weed gene flow depends on proximity of the crop plant to its wild weedy relatives. For example, there have been no reports of gene transfer

in the more than 160 million annually planted acres of genetically modified corn, cotton and soybean crops where herbicide resistance weeds are such a significant issue today. Since these crops don’t have sexually compatible, near relatives in the U.S. and Canada, the risk of gene flow to other plants in the region is extremely low. Crops like sunflower, wheat and canola do have compatible weed relatives in their major production areas (e.g. wild sunflower, jointed goatgrass, and wild relatives of canola, respectively). As a result, the risk of gene flow between those crops and wild plants is greater. Where gene flow has occurred, the resulting plants are no more weedy than their parent plants.

Misconception 2: Herbicide use is creating a new breed of herbicide-resistant superweeds unlike anything we’ve ever seen before.

Reality: The costly issue of herbicide resistance isn’t new – and neither are the competitive characteristics of weeds. Although the number of acres affected by resistant weeds has increased over the last decade as more growers have come to rely solely on herbicides with a single mechanism of action for weed control, weeds have exhibited resistance to many types of herbicides over the past 40 years. Many weed populations have even evolved resistance to multiple herbicide mechanisms of action.

Herbicide resistance is an important, costly and escalating issue, especially as growers have come to rely more than ever on a single class of herbicides that targets weeds in the same way. It is more critical than ever for a variety of carefully integrated weed management strategies to be used so weeds resistant to one method can be controlled in other ways before

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they have an opportunity to spread. This includes nonchemical means of weed control, such as crop rotation, tillage, cultivation, hand hoeing, seed capture, etc. The WSSA has created a variety of free educational materials and recommendations concerning resistance and how to avoid it, available online at <http://wssa.net/weed/resistance>.

As to those super powers that many individuals ascribe to herbicide-resistant weeds? Under herbicide-free conditions, resistant weeds are no more competitive or ecologically fit than their susceptible partners. Both can crowd out crops and other desirable plants by outcompeting them for water, nutrients, sunlight and space. They grow incessantly and can be prolific seed producers. A single Palmer amaranth plant, for example, can produce hundreds of thousands of seeds, regardless of whether it is herbicide resistant or not.

Weeds can be economically devastating if allowed to grow unchecked. As a result, we need to monitor vigilantly and use a variety of herbicide and non-herbicide strategies to control weed populations before they get out of hand.

Note:

The WSSA thanks the following scientists for their special contributions to this document:

- **Brad Hanson**, Ph.D., Cooperative Extension Weed Specialist in the Department of Plant Sciences at the University of California - Davis.
- **Andrew Kniss**, Ph.D., Associate Professor in the Department of Plant Sciences at the University of Wyoming and a WSSA board member.

HERBICIDE RESISTANCE SUMMIT II – A CALL TO ACTION

The 2nd National Summit on Strategies to Manage Herbicide-Resistant Weeds was held September 10, 2014 in Washington, DC. The Summit was very well organized and

attended by over 300 people online and in person. The Summit planning committee, chaired by David Shaw, volunteered an incredible amount of their time and effort in planning and orchestrating this very successful event. Members of the Herbicide Resistance Summit Planning were:

David Shaw, Vice President for Research and Economic Development, Mississippi State University

Amy Asmus, Certified Crop Advisor, Asmus Farm Supply, Rake, Iowa

Mike Barrett, Professor of Weed Science, University of Kentucky, WSSA-EPA Liaison

Harold Coble, USDA Office of Pest Management Policy – retired, Weed Scientist, and Farmer

David Ervin, Professor of Environmental Management and Economics, Portland State University

George Frisvold, Professor of Agriculture and Resource Economics, University of Arizona

Les Glasgow, Syngenta, Herbicide Resistance Action Committee

Terry Hurley, Professor, Dept. of Applied Economics, University of Minnesota

Ray Jussaume, Professor and Chair, Dept. of Sociology, Michigan State University

Kara Laney, Board on Agriculture and Natural Resources, National Academy of Sciences

Mike Owen, Professor and Extension Weed Specialist, Iowa State University

Jill Schroeder, USDA Office of Pest Management Policy Weed Scientist

John Soteres (retired)/**Michael Horak**, Monsanto, Herbicide Resistance Action Committee

Blaine Viator, Weed Scientist, Independent Crop Consultant, Labadieville, Louisiana

All the presentations throughout the day were excellent! Both the slides and the webcasts of each of the presentations plus questions and answers are on the WSSA website at: <http://wssa.net/weed/resistance-summit-ii/>.

In addition to the planning committee members listed above, we also heard from USDA's Chief Scientist and Under Secretary for Research, Education, and Economics, Dr. Cathy Wotecki, EPA's Director of Pesticide Programs, Jack Housenger, and the Director of the Australian Herbicide Resistance Initiative, Dr. Stephen Powles. There were so many great messages throughout the day, something for everyone. I really do encourage you to peruse the archived information if you have not had a chance yet. Dr. Harold Coble served as Master of Ceremonies and kept everyone on track. Harold humbly refers to himself as "an old broken down weed scientist from North Carolina," but don't be fooled! He delivered the concluding "Call to Action" remarks to all the various stakeholders and really did an excellent job tying it all together with his 60 plus years of weed management experiences.

JILL SCHROEDER TAKES USDA-OPMP WEED SCIENCE POSITION

On July 27, Dr. Jill Schroeder started in her new position at USDA as a Weed Scientist in the Office of Pest Management Policy (OPMP). Dr. Schroeder was a Distinguished Professor of Weed Science at New Mexico State University and is a Past-President and Fellow of both WSSA and WSWS. She also recently served several years in the role of WSSA-EPA Liaison. Dr. Schroeder fills the position vacated by Dr. Harold Coble who retired in January 2014. Jill's new email is Jill.Schroeder@ars.usda.gov and phone: (202) 720-0066.

The USDA Office of Pest Management Policy (OPMP) was established in September 1997, with the mandate to: 1) Integrate the Department's strategic planning and activities related to pest management; 2) Coordinate the Department's role in the pesticide regulatory process and related inter-

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WASHINGTON REPORT CONTINUED from pg 4

agency affairs, primarily with the Environmental Protection Agency; and 3) Strengthen the Department's support for agriculture by promoting the development of new pest management approaches that meet the needs of an evolving and sustainable U.S. agricultural system. Dr. Sheryl Kunickis currently serves as the Director of USDA-OPMP.

FOUNDATION FOR FOOD AGRICULTURAL RESEARCH (FFAR) BOARD SELECTED

USDA Secretary Tom Vilsack announced the creation of FFAR and the appointment of a 15-member board of directors. The new foundation will leverage public and private resources to increase the scientific and technological research, innovation, and partnerships critical to boosting America's agricultural economy. Authorized by Congress as part of the 2014 Farm Bill, the foundation will operate as a non-profit corporation seeking and accepting private donations in order to fund research activities that focus on problems of national and international significance. Congress also provided \$200 million for the foundation which must be matched by non-federal funds as the Foundation identifies and approves projects. FFAR's board of directors was chosen to represent the diverse sectors of agriculture. Seven of these board members were selected by the unanimous vote of the board's five ex-officio members from lists of candidates provided by industry, while eight representatives were unanimously elected from a list of candidates provided by the National Academy of Sciences. The 15 FFAR Board Members are:

- Dr. Kathryn Boor – the Ronald P. Lynch Dean of the College of Agriculture and Life Sciences, Cornell University
- Dr. Douglas Buhler (Weed Scientist) – Director of AgBioResearch and Senior Associate Dean for Research

for the College of Agriculture and Natural Resources, Michigan State University

- Dr. Nancy Creamer – Distinguished Professor of Sustainable Agriculture and Community Based Food Systems, North Carolina State University
- Dr. Deborah Delmer – Professor Emeritus of Biology, University of California-Davis
- The Honorable Dan Glickman (CHAIR) – former U.S. Secretary of Agriculture, current Executive Director of the Aspen Institute's Congressional Program
- Dr. Robert Horsch – Deputy Director, Bill & Melinda Gates Foundation
- Pamela Johnson – Chairwoman, National Corn Growers Association
- Dr. Mark E. Keenum (VICE CHAIR) – President, Mississippi State University
- Dr. Michael Ladisch – Director of the Laboratory of Renewable Resources Engineering and Distinguished Professor of Agricultural and Biological Engineering, Purdue University
- Dr. Christopher Mallett – Vice President of Research & Development, Cargill, Inc.
- Dr. Pamela Matson – Chester Naramore Dean of the School of Earth Sciences, the Richard and Rhoda Goldman Professor of Environmental Studies and Senior Fellow at the Woods Institute for the Environment, Stanford University
- Dr. Terry McElwain – Associate Director and Professor, Paul G. Allen School for Global Animal Health, and Executive Director, Washington Animal Disease Diagnostic Laboratory, Washington State University
- Dr. Stanley Prusiner – Director of the Institute for Neurodegenerative Diseases and Professor of Neurology, University of California-San Francisco and 1997 Nobel laureate in physiology or medicine

- Dr. Yehia "Mo" Saif – Professor Emeritus, The Ohio State University
- Dr. Barbara Schaal – Dean of the Faculty of Arts & Sciences and Mary-Dell Chilton Distinguished Professor at Washington University in St. Louis.

More detailed biographical information for the FFAR Board of Directors can be found here:

<http://www.ars.usda.gov/is/FFAR/Bios2014.pdf>

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THINK NEWSLETTER
Deadline for January issue
December 1, 2014

WSSA PHOTO CONTEST

Deadline: January 30, 2015

Subcommittee Chair:

Michael DeFelice

michael.defelice@pioneer.com

7100 NW 62nd Ave., Johnston, IA 50131-1150

(515) 535-6705

This contest is open only to members of the WSSA and the subject of the photo must be related to weed science. There are three divisions: 1) Flowers and other reproductive structures; 2) Vegetative growth and structures; and 3) Weeds in the Landscape. Judges consider factors such as subject, composition, technical aspects, and overall appeal.

Attention photographers! Please read the following rules regarding photo contest entries and evaluations below:

General Rules

1. Contest is open only to WSSA members.
2. All images must be submitted in digital format (see specifics below)
3. Subject of the photo should meet the criteria specified for one of the three divisions.
4. Each contestant can enter a maximum of 3 images per division but can win only one prize per division.
5. Prizes in each division are \$150 for the winner and \$75 for the runner-up.
6. In some cases, an overall winner may be selected and presented the "WSSA Outstanding Photographer Award," which includes a \$300 prize.
7. Members of the Photo Contest Subcommittee will judge the contest.
8. Judges will consider factors such as subject, composition, lighting, technical aspects, and overall appeal.
9. E-MAIL IMAGES TO THE SUBCOMMITTEE CHAIR BY **JANUARY 25. Note: We are not accepting submissions at the meeting this year. Images must be emailed to the sub-committee chair by end of business, Friday, January 30, 2015.**

Photo File Submission

1. Photo files must be submitted by email as an attachment.
2. Digital files must be a minimum of 2120 x 1416 pixel resolution or at least 3 megapixels for consideration.
3. Digital media should be labeled with your name and address and the PC file format, which must be in .jpg, .png format. Convert your files before submission. Other types will not be judged. Name your files to match all or a portion of your image title. A separate text file in Microsoft Word *.doc or ASCII text *.txt format must be included giving the following information for each photo submitted.

Water Drops on Palmleaf Morningglory

Circa 1998

Raleigh, NC

Shawn Askew

Division (Flowers, Vegetative or Landscape)

Flowers and Fruit Division

Photo submissions in this division should have flowers, flowering inflorescences, fruit or seeds as the main subject of the photo. This also includes close-up (macro) photos of floral or fruit structures.

Vegetative Structures Division

Photo submissions in this division should have leaves, stems, roots (rhizomes and other vegetative reproductive structures are also included in this division) and other vegetative structures as the main subject of the photo. This also includes close-up (macro) photos of any part of a weed that is not floral or fruit.

Weeds in the Landscape Division

Photo submissions in this division can be of any weed related subject that does not fit in the first two categories. Examples include – but are not limited to – vines growing over fences or crops, a cluster or population of weeds in a field, roadside, or pond, herbicide symptoms on weeds or crops, or the effects of management practices on weeds or the environment.

Helpful tips and judging criteria

1. Photos should not include identifiable people. Photos with people featured prominently and identifiable as part of the photo subject will automatically be disqualified from the contest.
2. Photos should not include insects unless they are incidental in the background. Photos with insects featured prominently as part of the photo subject will automatically be disqualified from the contest.
3. The judges will be looking for creativity and technical excellence when selecting the photographs. Aspects of creativity include composition, lighting, use of color and contrast, and unusual subjects or viewpoints. Technical aspects include focus, sharpness, appropriate depth-of-field, exposure, and the presence of distracting elements in the photo.

Canadian Weed Science Society

Société canadienne de malherbologie

68th Annual Meeting, November 17 – 20, 2014

Fairmont The Queen Elizabeth, Montreal (Québec), Canada

The organizing committee for the annual meeting of CWSS/SCM is pleased to welcome you to the fabulous Fairmont The Queen Elizabeth in downtown Montréal, Québec on November 17 to 20, 2014.

This internationally renowned hotel is located above the train station (Via Rail & AMTRAK) and connected to the extensive underground city of thousands of boutiques, restaurants and cafés, and within walking distance of sports and cultural attractions. This Montréal hotel reflects the city's distinct elegance and charm. Both the Bell Centre, home to the Montreal Canadiens hockey team and McGill University are just footsteps away. We have developed an agenda which we hope will be interesting and stimulating for all of you.

Here is a sneak preview of our proposed agenda.

- Symposium: Audit on integrated weed management
- Professional Development workshops
- Graduate Student Presentations
- Programme Sessions on Advances in Weed Science
 - Cereals, oilseeds and pulses
 - Horticulture and special crops
 - Soybean, corn, and edible beans
 - Forage, rangeland, forestry and industrial vegetation
 - Weed biology & ecology
 - Invasive & noxious weeds
 - PMRA, CFIA regulatory issues and provincial weed reports

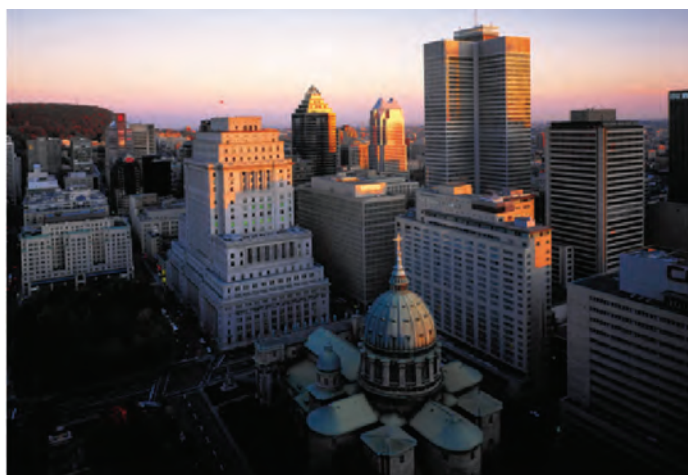
For more information visit:
<http://www.weedscience.ca>

Symposium: Audit on integrated weed management

An audit is defined as a systematic examination to determine whether activities and related results comply with the planned arrangements and whether these arrangements are implemented effectively and are suitable to achieve objectives. “Did our research and transfer activities to producers have allowed us to reach the expected objectives of integrated weed management over the years?” Our invited speakers will evaluate the real impact of integrated weed management for some of our production systems.

- Integrated indicator for crop management
- New technologies and IWM Tools
- Bioherbicides and IWM
- Organic agriculture and IWM
- Evaluation of real and perceived agronomic risks – social aspect
- Evaluation of real and perceived agronomic risks – economic aspects
- Next challenges

Fairmont
THE QUEEN ELIZABETH



Room rates negotiated for the participants to the conference are also available 3 days before and after the conference. Excellent room rates were negotiated at \$169/night.

Take advantage of this opportunity and take a little vacation.

THINK NEWSLETTER
Deadline for January issue
December 1, 2014



European Weed Research Society

17th European Weed Research Society Symposium

Montpellier SupAgro, France

23-26 June 2015

Weed management in changing environments

The Organizing Committee would be pleased to welcome you to the 17th European Weed Research Society Symposium, to be held at Montpellier SupAgro, France. Managing weeds is a challenge in the current climate of regulatory, economic and environmental change. Papers on **Weed management in changing environments** and weed adaptation would be particularly welcome. The organizing committee has made every effort to provide a stimulating environment for networking opportunities.



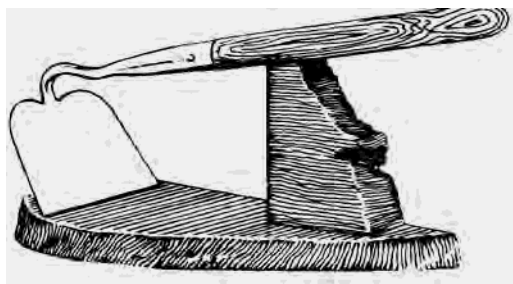
Abstract submission deadline: 15 October 2014

Subsidies for junior scientists available upon demand

Web site: <http://www.ewrs2015.org>

Contact: Henri DARMENCY (ewrs2015@dijon.inra.fr)





**The
California Weed Science Society**

www.cwss.org

67th Annual Conference

**California Weeds –
Weather or Not...**

**Controlling Weeds
Under Challenging Climatic
Conditions**

January 21, 22, 23, 2015

The Fess Parker Santa Barbara Hotel

633 E. Cabrillo Blvd. • Santa Barbara, CA 93103
(805) 564-4333

Featured Sessions:

- Weed School: Basics of Aquatic Weed Control
- Student Oral Paper and Poster contests
- New research and updates on weed biology and management in CA agricultural crops and orchards, turf & ornamentals, roadside & industrial sites, forestry, range & natural areas, and aquatic sites
- Laws and Regulations Session

DPR CEU's have been requested

Conference registration: To register online and view hotel reservation details, visit our website www.cwss.org or call CWSS (831) 442-0883 to obtain a program agenda and registration form.

ON THE BOOKSHELF

Invasive Species and Global Climate Change

edited by Lewis Ziska, USDA-ARS, USA and Jeffery Dukes, Purdue University, USA will be published by CADI in August. Taking a global perspective, this book examines what will happen to invasive species, including plants, animals and pathogens, with current and expected man-made climate change. *Invasive Species and Global Climate Change* shows how climatic change is likely to act synergistically with invasive species biology and highlights the consequences for native and managed ecosystems around the world. You can order the book at a 20% discount by entering the code **CCISGCC20** at the online checkout.

<http://www.cabi.org/bookshop/book/9781780641645>



The Herbicide Resistance Summit II was held in Washington, DC on September 10th, sponsored by the Weed Science Society of America and hosted by the National Research Council.

Recorded videos, presentation slides and a detailed agenda can be found on the WSSA website at <http://wssa.net/weed/resistance-summit-ii/>

Photos courtesy of Robert Arnason, a reporter from The Western Producer.



NECROLOGY

PHILIP C. KEARNEY

June 8, 2014



Philip C. Kearney, 81, died on June 8, 2014, at an assisted-living center in Melbourne, Florida. The cause was complications from Alzheimer's disease, said his wife, Rita R. Kearney. Dr. Kearney was a highly respected biochemist who became a U.S. Department of Agriculture research scientist specializing in pesticide behavior in soils.

Dr. Kearney was born in Baltimore and worked at USDA from 1962 to 1995. He headed the Agricultural Research Service's pesticide degradation laboratory from 1965 to 1988 and then served as deputy area director of the ARS's Natural Resources Institute in Beltsville; he was named ARS scientist of the year in 1986. He was adjunct professor of chemistry and biochemistry at the University of Maryland from 1995 to 2010 and wrote more than 200 scientific publications and several books on herbicide chemistry and degradation.

He is survived by his wife, Rita R. Kearney; son James Douglas Kearney, daughter Kathy K. Froede, four grandchildren and two great-grandchildren.

The family received friends at Harry H. Witkze's Family Funeral Home, Inc., 4112 Old Columbia Pike, Ellicott City on Saturday, July 12, from 11:00 a.m. to 1:00 p.m. with Memorial Service at 11:30 a.m. In lieu of flowers, contributions can be made to Alzheimer's Association or the Chesapeake Bay Foundation.

See more at: <http://www.legacy.com/obituaries/washingtonpost/obituary.aspx?n=philip-c-kearney&pid=171673336&fhid=4733#sthash.iECTbYxn.dpuf>





NECROLOGY

DEAN L. LINSCOTT

July 19, 2014

Sadly, we inform you of the passing of Dr. Dean L. Linscott on Saturday, July 19, 2014 in Ithaca, NY. Dr. Linscott was a weed scientist with the USDA-ARS and Courtesy Professor in the Department of Crop and Soil Sciences at Cornell University from the early 1960s until his retirement in 1992. He was named a NEWSS Fellow in 1986 and also received the NEWSS Outstanding Paper Award in 1964. He was named a WSSA Fellow in 1983. Dr. Linscott's research focused on herbicide physiology and efficacy especially in perennial forages including birdsfoot-trefoil and alfalfa. To learn more about Dr. Linscott's life and achievements, see the obituary at the link below:

<http://www.legacy.com/obituaries/theithacajournal/obituary.aspx?n=dean-leroy-linscott&pid=171804680&fhid=7263>





NECROLOGY

JOHN ARTHUR MEADE

April 17, 2013

Dr. John Arthur Meade died on Wednesday, April 17, 2013. He was 84, born in Coldwater, Michigan. He was a Professor of Agronomy at Rutgers University, New Brunswick on the Cook College Campus for 25 years, and he was a part of the Rutgers Cooperative Extension. Dr. Meade was an Extension Specialist in Weed Science from 1966 to his retirement in 1992. John was an outstanding teacher and an excellent researcher. Prior to his appointment at Rutgers, he was on the faculty of the Department of Agronomy, University of Maryland, as an extension specialist and conducted weed research.

He received his Bachelor's and Master's Degrees from the University of Maryland, and his Doctorate from the University of Iowa Class of 1958. He was a member of the NJ Christmas Tree Growers Association. As a member of the Northeastern Weed Science Society, he presented numerous papers and posters, winning an award for one of his poster presentations; he was elected Fellow and also President. As a member of the Weed Science Society of America (WSSA), he was elected Fellow, and he was editor of the WSSA Newsletter for a number of years.

He was a Peacetime Veteran of the US Navy, having served in the Office of Naval Intelligence.



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CALENDAR OF UPCOMING EVENTS

DATE	EVENT	LOCATION	CONTACT
November 17–20, 2014	Canadian Weed Science Society/ Société canadienne de malherbiologie (CWSS-SCM) Annual Meeting	Fairmont The Queen Elizabeth Montreal, Quebec Canada	www.weedscience.ca
December 1–4, 2014	North Central Weed Science Society (NCWSS) Annual Meeting	Minneapolis, Minnesota	www.ncwss.org
January 5–8, 2015	Northeastern Weed Science Society (NEWSS) Annual Meeting	Williamsburg Lodge Williamsburg, Virginia	www.newss.org
January 21–23, 2015	California Weed Science Society (CWSS) Annual Conference	The Fess Parker Santa Barbara Hotel Santa Barbara, California	www.cwss.org Telephone: 831-442-0883
January 26–28, 2015	2015 Southern Weed Science Society (SWSS) Annual Meeting	Savannah, Georgia	www.swss.ws
February 9–12, 2015	Weed Science Society of America (WSSA) Annual Meeting	Hilton Lexington Downtown and Lexington Convention Center Lexington, Kentucky	Dallas Peterson Email: dpeterso@ksu.edu Telephone: 785-532-0405 www.wssa.net
March 9–12, 2015	Western Society of Weed Science (WSWS) Annual Meeting	Portland, Oregon	www.wsweedscience.org
March 23–26, 2015	8th International IPM Symposium	Salt Palace Convention Center Salt Lake City, Utah	Elaine Wolff Email: wolff1@illinois.edu Telephone: 217-244-7670
June 23–26, 2015	17th European Weed Research Society Symposium	Montpellier SupAgro, France	Henri Darmency Email: ewrs2015@dijon.inra.fr www.ewrs.2015.org
February 8–11, 2016	Joint WSSA and Southern Weed Science Society Annual Meeting	San Juan, Puerto Rico	www.wssa.net
2017	Weed Science Society of America Annual Meeting	Tucson, Arizona	www.wssa.net

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