

2010 WSSA Committee Progress Report

July 2010

Committee Code and Name: E-1 Liaison Committee

Committee Chair: Rod Lym

Committee Members 2010:

Board Coordinator: Rod Lym

Committee Members Rotating Off: **Appropriate Replacements:**

2010 Summary of Activities (through 07/09/10)

E1a AAAS (American Association for the Advancement of Science): Lee Van Wychen

E1c AIBS (American Institute of Biological Sciences)

E1z FICMNEW (Federal Interagency Committee for the Management of Noxious and Exotic Weeds)

E1ad CoFARM (Council on Funding Agricultural Research Missions):

E1ae N-CFAR (National Coalition for Food and Agricultural Research):

Lee will cover these groups during his regular board update

Elb ACS (American Chemical Society, Agrichemicals Div.): Scott Senseman

Scott has not been to an ACS meeting for several years, so has no update.

Eld ALAM (Latin American Weed Association): Phil Westra

ALAM (<http://grec.ifas.ufl.edu/ALAM/>) met in Portugal 11-13 Nov 09 together with the Spanish and Portuguese Weed Sci. Socs. The New President is Marcelo Kogan of Chile where the next meeting will be held.

Ele ANSI (Amer. Nat. Standards Institute)-K-62 Committee on common names for pesticides: Ben Coffman

This committee has been inactive for several years since our representative to ANSI was re-assigned. Although I have made several attempts to determine the fate of proposed herbicide nomenclature without the input of our committee and the ANSI connection, I have not had any satisfactory response from anyone. Companies are relying on feedback from the international group ISO.

Elf APHIS (Animal and Plant Health Inspection Services): Alan Tasker

- South Carolina has released the last acres from Witchweed quarantine. Plans are underway to celebrate this event, and a proposed parasitic plants symposium has been submitted by Al Tasker and Jim Westwood for the Portland, OR WSSA meeting (to include papers on the Witchweed program).

- Approximately 80 APHIS draft Federal Noxious weed (FNW) factsheets are under revision, to be posted to the web soon.

- The Lygodium species rule is final, adding Lygodium species *Lygodium microphyllum* (Old world climbing fern) *L. flexuosum* (Maidenhair creeper) regulated last year by Federal Order to the Noxious Weed list.

- The 7 proposed species for Federal Noxious Weed (FNW) listing in a Final Rule are to be published soon (Reg. Docket APHIS-2007-0146-1): *Acacia nilotica*, *Ageratina riparia*, *Arctotheca calendula*, *Euphorbia terracina*, *Inula Britannica*, *Onopordum acaulon*, *Onopordum illyricum*.

- The FNW *Mikania micrantha* was detected in Florida, and is under survey and eradication. APHIS and Florida Dept of Agriculture & Consumer Services are working on improved control methods.
- Several species are under assessment by APHIS for possible addition to the FNW list. Some of these projects include DNA fingerprinting work in Ft. Collins to clarify genetic identity issues.
- APHIS is cooperating with the Smithsonian grass curator on a molecular barcoding library project.

Elj APWSS (Asian Pacific Weed Science Society): Nilda Burges

No response.

Elj ASHS (American Society for Horticultural Science): Milt McGiffen

The annual meeting will be in Palm Desert, CA, from July 31-August 4. The meeting includes sessions entitled: "Developing Strategies for Sustainable Production in a Changing Global Climate Scenario: Merging Physiological and Genetic Approaches"; "The Role of Horticulture in Managing Plant Invasiveness and Reducing New Invasive Introductions in the U.S.", and "Screening Protocols to Assess and Predict Invasiveness in Plants".

Eli ASA (American Society of Agronomy): Drew Lyon
Elk CSSA (Crop Science Society of America):
Elu SSSA (Soil Science Society of America):

- Are pursuing a co-located annual meeting in 2015 with the Entomological Society of America and would be **very interested in talking with WSSA** about opportunities for such collaboration, if this would be of interest and mutual benefit to WSSA members(?).

- The 2010 ASA-CSSA-SSSA Annual Meeting will be held 31 Oct. - 4 Nov. in Long Beach, CA. The theme of the 2010 meeting is "Green Revolution 2.0: Food + Energy and Environmental Security." The Plenary Keynote speaker will be Thomas L. Friedman, New York Times Editorial writer, author of "The World is Flat" and other best seller books. Jared Diamond, author of "Guns, Germs, and Steel" and "Collapse", will also be a Plenary speaker. Carl M. Casale, Monsanto's Executive Vice President & CFO will provide the ASA Plenary lecture.

- ASA is bringing the e-platform for hosting journals in-house – transitioning away from Highwire in order to contain costs, provide greater control and speed of posting and offer similar services to other like-minded societies at a reasonable cost.

ElI EPA (Environmental Protection Agency): Daniel Kenny

No response.

Elm EWRS (European Weed Research Society): Bob Froud-Williams

Unable to contact.

Eln GLF and SRM (Grazing Lands Forum, Society for Range Management): Rod Lym

-Joint meeting held in 2010 in Denver, CO. The board is well aware of the meeting and no further joint meetings are planned at this time.

Elo IWSS (International Weed Science Society): Bernal Valverde

Unable to contact.

Elp EcoSA (Ecological Society of America): (vacant)

Elq ACPA (CropLife America): Janis McFarland

Elv USDA-Office of Pest Management:

No response.

Elr NRC (National Research Council): Jodie Holt

In years past there were occasional projects/reports that related to agriculture, and some of them had weed scientists on the committee. However, I have not seen anything of interest to WSSA in many years. My most recent report to the BOD was submitted in 2006, but I have had nothing of substance to report since 2004. I suggest the BOD consider whether a Liaison to the NRC is needed anymore, since anyone can review their publications like I do.

**Els TAG (Tech. Advisory Group, Introduction of Biological Control Agents for Weeds): Douglas Boyette
Ely APS (American Phytopathological Society):**

No response.

Elt USDA-ARS (USDA-Agricultural Research Service): John Lydon

The ARS National Program for Crop Protection and Quarantine (NP 304) is currently under review which includes 18 projects primarily on weed research. The weed research projects under review include but are not limited to:

- The discovery and development of biological control agents for agricultural and natural areas
- Integrated management of weeds in crop lands, rangeland, riparian areas, and aquatic systems
- The development and use of herbicide tolerant and weed competitive crops
- Herbicide resistance development and mitigation
- The impact of soil microorganisms on seed bank dynamics and herbicide residues
- Landscape-level assessment of weed invasions and management in agricultural, natural, and urban systems
- Fundamental research on dormancy and the genetics of weeds
- The assessment of the invasiveness of proposed bioenergy crops

Weed research is also a major or contributing component in 30 other research projects within the National Programs for: Soil Resource Management; Global Change; Manure and Byproduct Utilization; Water Availability and Watershed Management; Pasture, Forage and Range Land Systems; Agricultural System Competitiveness and Sustainability; Plant Genetic Resources, Genomics and Genetic Improvement; Plant Biological and Molecular Processes; and Plant Diseases. In addition, there are five IR-4 research projects to assist in the registration of herbicides for specialty crops.

Elw CAST (Council for Agricultural Science and Technology): Jeff Derr

Recent CAST publications include:

- *Ethical Implications of Animal Biotechnology: Considerations for Animal Welfare Decision Making*
- *Agricultural Productivity Strategies for the Future: Addressing U.S. and Global Challenges*
- *Water, People, and the Future: Water Availability for Agriculture in the United States*
- *The Endangered Species Act: Interfacing with Agricultural and Natural Ecosystems*

The Board of Trustees is a new committee for CAST. The Board of Trustees solicits, evaluates discusses, prioritizes and recommends major scientific projects, publications, and initiatives, and serves as an advisory team to the President and Board of Directors. The Board of Trustees will also suggest and assist in accessing funding to support the activities of CAST. Members are appointed by the President and approved by the Board of Directors. The Board of Trustees is currently chaired by Gale Buchanan, a name very familiar to weed scientists. There currently are 9 additional individuals on this board, including individuals from WGN Radio, DuPont, and the American Farm Bureau Federation.

Elx EntSA (Entomological Society of America): Craig Sandoski

Unable to contact.

Elaa USGS (United States Geological Survey): Randy Westbrook

At the national level, USGS and other agencies are working with numerous interagency groups to develop new capacity for early detection and rapid response to invasive plants in states and provinces across the U.S. and Canada. In the U.S., the effort is focused on the establishment of a National Early Detection and Rapid Response (EDRR) System for Invasive Plants.

This includes establishment of State Invasive Species Councils (interagency coordination), State EDRR Coordinating Committees, State Early Detection and Reporting Networks (EDRN), and Invasive Plant Task Forces (e.g. the Carolinas Beach Vitex Task Force). Data collected by EDRN volunteers are being archived in regional databases such as the Southeast EPPC Early Detection, Distribution, and Mapping System (EDDMaps), the Invasive Plant Atlas of New England (IPANE), and the Invasive Plant Atlas of the MidSouth (IPAMS). The role of Weed Scientists in the effort is very clear - State EDRR Committees depend completely on Weed Scientists to provide recommendations for control and ultimately eradication of target EDRR species.

As part of a new effort to increase training opportunities for invasive species field professionals, USGS is collaborating with Southeastern Community College in Whiteville, North Carolina, to develop an online Invasive Species Management Training Program. The new program, which was launched in the spring of 2008, includes five online courses covering all aspects of invasive species management, including prevention and exclusion, early detection and reporting, containment, eradication, and control. The courses are being offered as a alternative second year track for resident students under the SCC Environmental Science Technology program, or as a 'stand alone' Certificate of Invasive Species Management for invasive species field professionals.

Elab IAPPS (International Association for the Plant Protection Sciences): (vacant)

Elac WSSM (Mexican Association of Weed Science): Albert Fischer

On July 20 to 22, 2009 an International Course on Resistance to Herbicide in Weeds and Crops was held and organized by The Plant Protection Department (Departamento de Parasitología Agrícola) of the Autonomous University Chapingo (Universidad Autónoma Chapingo) in Chapingo near Mexico City. The program included four presentations by two WSSA members:

Dr. Bernal Valverde (WSSA), University of Copenhagen, Denmark
- Evolution of Herbicide Resistance in Plants (historic and world-wide overview)
- What is the Future in Chemical Weed Control?

Dr. Albert Fischer (WSSA), Plant Sciences Dept., University of California-Davis
- Methodologies for Studying Herbicide Resistance (Detection and Assessment)
- Herbicide Resistance in Weeds: Prevention and Management

The course was attended by an audience of about 100 people comprising a wide assortment of scientists from Mexican universities, public and private institutions, scientists from neighboring countries, and a large amount of students.

On October 21 to 23, 2009, The Mexican Weed Science Society (ASOMECEMA) held its XXX Congress in the city of Culiacán, State of Sinaloa. Three Symposia were held in conjunction with the meeting:

- The VI International Symposium on Aquatic Weeds
- The II International Symposium on Herbicide Resistance
- The II Symposium on Weed Science Teaching

Dr Fischer presented a Lecture on Mechanisms of Herbicide Resistance in Plants. WSSA, Fellow Dr. Roberto Antonio Arévalo also presented a keynote speech.

On June 21 to 23, 2010, a short course on Resistance to Herbicide in Weeds and Crops was held and organized by The Plant Protection Department (Departamento de Parasitología Agrícola) of the Autonomous University Chapingo (Universidad Autónoma Chapingo) in Chapingo near Mexico City. The event was similar to that in 2009, but the panel of lecturers was expanded. WSSA was represented by invited Speakers Albert Fischer, Bernal Valverde, and Ian Heap (Weedsmart, Corvallis, OR). Dr. Reid Smeda (Missouri State University) had also been invited but could not attend.

The next ASOMECIMA meeting will be the XXXI Mexican Congress of Weed Science to be held on 10 to 12 November 2010 in Cancún, State of Quintana Roo.

From Dr. Fischer “I will continue my contact and research collaboration with the Weed Science group at the University of Chapingo and Weed Scientists of INIFAP and the National Autonomous University of México. Hopefully, I may also attend the November 2010 meeting. I have currently a Mexican student in my lab and hope to expand the academic and research exchange with Mexican Colleagues. I have facilitated contacts with WSSA members for invitation to meetings in Mexico. WSSA members are strongly encouraged to attend ASOMECIMA meetings and explore opportunities for scientific collaboration and the hosting of joint weed science events. I will be glad to facilitate contacts and interactions”.

2010 Plan for Committee Activities

There is a need for liaisons to be appointed to: The Ecological Society of America and the International Association for the Plant Protection Sciences. In addition several of the liaison members could not be contacted because of out of date contact information or did not respond to my request for an update on activities.

This committee as a group is generally dormant and but the liaisons are more than willing to represent WSSA to the other societies and are a very good source for cooperative projects in the future.

Recommendations for Board/Society Action:

Replace liaisons as needed and contact them annually for reports.