WSWS Officer and Committee Report
March 6, 2022

Office or Committee Name: CAST Representative
Officer or Chairperson Name: Gregory Dahl
Date of Preparation (include year): March 4, 2022

Activities during the year:

I attended the annual meeting of the CAST in person in Columbus, OH on October 26 – 28, 2021. I also attended the associated meetings and events associated with the CAST Annual Meeting. I was fortunate to be able to attend a tour of various programs at Ohio State University. At the tour we saw demonstrations of various technologies and research programs dealing with robots in agriculture, sensor technology and precision agriculture, mosquito monitoring and disease control efforts, plant disease control research and a combined disease area called zoonoses. The Ohio State University is building a new greenhouse research center that will be doing work with vertical farming. The greenhouse was the tallest one I have ever seen. I serve on the CAST Plant Working Group, which met twice during the annual meeting. We also were fortunate to attend a tour and demonstration of Scotts Miracle-Gro Company Research and Development Facilities. They are doing great work developing ornamental and turf plants, products, greenhouse and homeowner products, greenhouse lighting and other technologies. They were conducting considerable research on cannabis. Thank you for this opportunity.

Participated in most of the monthly CAST Plant Working Group ZOOM Meetings. We have met and discussed the development and status of the potential CAST publications.

Worked with Dr. Jill Schroeder towards creating a CAST publication about Invasive Species. I worked with Jill and scientists representing WSSA and the North American Invasive Species Management Association (NAISMA). A proposal titled "Preventing the next invasive plant: Opportunities and Challenges" was drafted. The effort was led by Jacob Barney (chair of the WSSA Noxious and Invasive Weeds and Biocontrol Committee) and included David Coyle, Erik Lehnhoff, Daniel Tekiela, Paul Tseng. Both WSSA and NAISMA boards approved partnering with CAST to develop this proposal for an issue paper. The proposal was approved by all the necessary CAST committees and boards. Jill has volunteered to be the CAST liaison for this project.

Working to determine the possibility of proposing a paper on the topic of grassland, chaparral, and forestry management. I will be visiting with members of the Western Society of Weed Science and the Invasive Species Committee to develop this topic. CAST was informed

about the workshop on fire and invasives at the 2022 annual meeting organized by Matt Baur, WIPM Center Director). Jill Schroeder has offered to help make connections with USDA and the WIPM Center.

Met regularly with CAST Members from WSSA and other Regional Weed Science Societies: Jill Schroeder, WSSA, John Hinz, NCWSS, Hilary Sandler, NEWSS, Lyn Gettys, APMS also Lee Van Wychen and Carroll Mosely. We have discussed how to increase the awareness and value of CAST for our societies' membership. These meetings need to continue.

Dr. Jill Schroeder made a presentation on 50 years of CAST at the Weed Science Society of America Annual Meeting. I was listed as a co-author of the presentation.

Visited CAST Headquarters for a tour, visit and to pick up display and distribution materials on March 3, 2022. Had a nice visit.

I will be serving on the Local Arrangements Committee for the CAST Annual Meeting which will be held in Ames, IA in October 2022.

CAST Publications released in 2021-2022:

Goals, Strengths and Limitations Governing the Use of Life Cycle Assessment (LCA) in Food and Agriculture
CAST Commentaries - QTA2022-1 - January 2022

Gains Foregone by Going GMO Free: Potential Impacts on Consumers, the Environment, and Agricultural Producers
CAST Commentaries - QTA2021-2 - November 2021

Celebrating 50 Years as the Trusted Source for Agricultural Science and Technology
Other Publications - November 2021

The Role of Agricultural Science and Technology in Climate 21 Project Implementation
CAST Commentaries - QTA2021-1 - June 2021

Recommendations for Board Action:

Thank you for the opportunity.
No recommendations at this time.

Budget Needs:

No requests at this time.

Name of Person Preparing This Report: Gregory Dahl