genetics can allow for more drought-tolerant dryland crops, and work on deficit irrigation can allow for reduction of irrigation to improve crop quality or to minimize crop yield reductions with limited water. To this end, the Evapotranspiration Measurement and Modeling Community is hosting a symposium at this year’s Annual Meeting titled, “Evapotranspiration Under Pressure,” which is focused on measuring and modeling ET under these stressed conditions. Existing traditional approaches for estimating ET, such as established crop coefficients and stress coefficients, may not yet be available for new practices and cultivars; thus, requiring new approaches and work for constraining ET. We are also sponsoring an oral and poster session on new methodologies for ET.

Accurate and robust ET estimates are becoming more important as overall water availability and quality declines in key agricultural regions. We encourage all researchers who are working in agricultural or soil hydrology, plant water use, and water use efficiency to join our community. We as community leaders welcome ideas for future symposia and sessions, and we would encourage you to visit the community website (http://bit.ly/2rW4Xz2) to learn more.

R.G. Anderson, 2016–2017 Community Leader, USDA–ARS, U.S. Salinity Laboratory, Contaminant Fate and Transport Unit, Riverside, CA 92507 USA; and N. Rajan, 2016–2017 Vice-Leader, Texas A&M University, Department of Soil and Crop Sciences, College Station, TX 77843 USA

Benefits of Membership

Scientific Expertise Directory

The Scientific Expertise directory is a way for members to connect with other members or the general public. You can highlight your specialized knowledge, skill, education, experience, or training in any of our expertise areas - identified from Society journal subject areas, communities, divisions of interest, hot topics, and science policy topics of interest.

Members may include a brief overview of why they hold specific expertise in order to provide background for others.

The Scientific Directory and update links are found at:

www.agronomy.org/scientific-expertise
www.crops.org/scientific-expertise
www.soils.org/scientific-expertise

In addition to being a resource for members and others looking for those with specific areas of expertise, the directory may be used for inquires on specific topics by the media, for advocacy efforts, and for outreach.

Visit the directory online and help us keep the listings current. If you have any questions, please email membership@sciencesocieties.org or call 608-273-8080.


In the next issue of CSA News...

Malting Barley in the Eastern U.S.

As craft breweries in the U.S. look for ways to stand out among the crowd, some are trying to “go local.” However, finding key ingredients, like malted barley, is not easy for those located east of the Mississippi River. Some farmers and entrepreneurs are trying to fill this niche, experimenting with malting barley varieties from Europe and establishing local malt houses to process the grain for brewing. We highlight the ongoing research and challenges of producing local craft brews, from farm to pint.

FEATUREING
Ashley McFarland, Michigan State University
Aaron MacLeod, Hartwick College
Richard Horsley, North Dakota State University

Eastern Red Cedar and Changing Arbuscular Mycorrhizal Fungi Communities

The expansion of eastern red cedar in the Great Plains has been problematic for ranchers, grassland conservationists, and the people plagued by allergies. Researchers explore how the arbuscular mycorrhizal fungi (AMF) community associated with eastern red cedar changes over the lifetime of red cedar stands. The decline in AMF diversity over time may not offer clues to reducing the spread of eastern red cedar, but it could be important for restoration of grasslands when stands of eastern red cedar are removed.

FEATUREING
Rhae Drijber, University of Nebraska–Lincoln