



At the Lab Bench, Amid the Island Fog, and Under the Desert Sun, WERC Women Scientists Lean In

During the month of March, the U.S. Geological Survey commemorated the history and scientific leadership of women researchers within the bureau, beginning with **Florence Bascom**, the first woman to receive a PhD from Johns Hopkins University and the first woman hired by USGS, in 1896. Learn more from the **USGS Top Story** and explore the **#WomenInScience** hashtag via **@USGS** on Twitter, then meet Amy Vandergast, Karen Thorne, Kathryn McEachern, Kathy Longshore, Barbara Kus, Lesley DeFalco, Erin Boydston, and Kristin Berry in **our feature story** on the women principle investigators leading the USGS Western Ecological Research Center:
<http://www.werc.usgs.gov/outreach.aspx?RecordID=207>
http://www.usgs.gov/blogs/features/usgs_top_story/inspiring-women-in-science/
<http://twitter.com/search?q=%40USGS%20%23WomenInScience%20&src=typd&f=realtime>

NEW JOURNAL ARTICLES

McAllister, CT, DW Duszynski, **RN Fisher**, CC Austin. 2014. A new species of *Eimeria* **Schneider, 1875 (Apicomplexa: Eimeriidae) from the Solomon ground skink, *Sphenomorphus solomonis* (Boulenger) (Sauria: Scincidae) from Papua New Guinea.** *Systematic Parasitology* 87(1): 83-86. doi: 10.1007/s11230-013-9455-2
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=5009>

Germano, J, VE Van Zerr, **TC Esque**, **KE Nussear**, N Lamberski. 2014. **Impacts of upper respiratory tract disease on olfactory behavior of the Mojave Desert Tortoise.** *Journal of Wildlife Diseases*. doi: 10.7589/2013-06-130
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=4997>

Alvarez, JA, DG Cook, **JL Yee**, MG van Hattem, DR Fong, **RN Fisher**. 2013. **Comparative microhabitat characteristics at oviposition sites of the California red-legged frog (*Rana draytonii*).** *Herpetological Conservation and Biology* 8(3): 539-551.
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=5010>

EVENTS

March 29, 2014 (Joshua Tree, CA)
Kristin Berry gave lectures at the **Desert Tortoise Surveying and Monitoring** course hosted by The Desert Institute at Joshua Tree National Park.
<http://www.werc.usgs.gov/Event.aspx?ID=177>

April 3, 2014 (Whiskeytown, CA)
Phil van Mantgem will be among the scientist-hosts at the **Fire Science Field Day**, a free public science event hosted by Whiskeytown National Recreation Area.
<http://www.werc.usgs.gov/Event.aspx?ID=176>

April 7, 2014 (Vallejo, CA)
The **Nerds for Nature** inventors group will meet up with WERC scientists on Mare Island again to demonstrate the use of aerial drones to collected field samples.
<http://www.werc.usgs.gov/Event.aspx?ID=178>

April 15-17, 2014 (Orleans, CA)
Phil van Mantgem will be speaking at the **2014 Klamath Fire Ecology Symposium** about the role of fire and climate change in western coniferous forests.
<http://www.werc.usgs.gov/Event.aspx?ID=179>

April 23, 2014 (Arcata, CA)
Phil van Mantgem will help lead a **Fire Science Field Day** at Redwood National Park, a free public event hosted by the California Fire Science Consortium.
<http://www.werc.usgs.gov/Event.aspx?ID=180>

IN THE NEWS

On the Verge of Extinction: The Amargosa Vole (*Los Angeles Times*)
Producer Gina Ferrazi created a short film highlighting the collaborative research by UC Davis, **Rob Klinger**, and others on the endangered Amargosa vole.
<http://www.latimes.com/local/la-me-drought-species-video,0,5377638.premiumvideo>

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NEW JOURNAL ARTICLES (CONT'D)

Arkle, RS, DS Pilliod, SE Hanser, **ML Brooks**, JC Chambers, JB Grace, KC Knutson, DA Pyke, JL Welty, TA Wirth. 2014. **Quantifying restoration effectiveness using multi-scale habitat models: implications for sage-grouse in the Great Basin.** *Ecosphere* 5:art31 doi: 10.1890/ES13-00278.1
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=5011>

NEW DATA PAPERS

Kenner MC, JA Estes, **MT Tinker**, JL Bodkin, RK Cowen, C Harrold, BB Hatfield, M Novak, A Rassweiler, DC Reed. 2013. **A multi-decade time series of kelp forest community structure at San Nicolas Island, California (USA).** *Ecology* 94: 2654–2654. doi: 10.1890/13-0561R.1
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=4949>

NEW OPEN FILE REPORTS

Webb, RH, **KE Nussear**, S Carmichael, TC Esque. 2014. **Soil compaction vulnerability at Organ Pipe Cactus National Monument, Arizona:** U.S. Geological Survey Open-File Report 2014-1048, 24p. doi: 10.3133/ofr20141048
<http://www.werc.usgs.gov/ProductDetails.aspx?ID=4998>

IN THE NEWS (CONT'D)

Climate Change and Urbanisation Driving Dengue Fever in South China (*ChinaDialogue.net*)

Reporter Olivia Boyd writes about the potential impact of climate change on tropical diseases and insect vectors, with a quote from **Kevin Lafferty**.
<https://www.chinadialogue.net/article/show/single/en/6845>



Scott Shaff/USGS

Post-Fire Stabilization Seedings Have Not Developed Into Sage-Grouse Habitat

According to USGS and U.S. Forest Service researchers publishing in the journal *Ecosphere*, the practice of emergency post-fire seeding in sagebrush landscapes of the Great Basin, which was meant to stabilize soils, has not resulted in restored habitats that would be used by greater sage-grouse. “This is part of a growing body of science demonstrating how difficult it is to rehabilitate sagebrush landscapes once native vegetation is lost through wildfire,” says USGS FRESC ecologist David Pilliod, who is a study coauthor along with WERC botanist **Matt Brooks**. Partners in this study include the Bureau of Land Management, the Joint Fire Science Project, and the U.S. Forest Service.

<http://www.usgs.gov/newsroom/article.asp?ID=3850>