

Summer Kemp-Jennings

University of Washington
School of Environmental and Forest Sciences
P.O. Box 352100
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Education

University of Washington, Seattle, WA. Master of Science, Forest Resources. Expected Completion June 2017. Advisor: David L. Peterson
Southern Oregon University, Ashland, OR, Bachelor of Science, 2013.
Major: Biology (Honors) Option: ecology, organismal, and field biology Overall GPA: 3.6 Major GPA: 3.89

Relevant coursework

Community ecology, Hypothesis Testing and Estimation for Ecologists and Resource Managers, Current Research in Climate Change, Forest Ecology and Management, Fish and Fisheries, Introduction to Geographic Information Systems, Plant Physiology, Evolution, Ecology, Genetics, Cellular Biology, Aquatic Ecology, Conservation Biology, Calculus, Biological Statistics, Inorganic Chemistry, Organic Chemistry, Biogeochemistry, Maps, Cartography & Geospatial Technology, Vertebrate Natural History, Botany, Zoology, Plant Ecology, Ethnobotany

Professional skills

Public speaking, hypothesis testing and estimation, field crew organization and management, plant identification (Washington, Oregon, California, Guam, Iceland), extensive silviculture and forest ecology field methodology skills, data collection and organization, KNOLS Wilderness First Responder, GPS, backcountry experience, 4WD vehicle operation, basic vehicle mechanic skills, basic carpentry skills, ArcGIS familiarity, R studio familiarity, knot tying skills, Microsoft Office package

Honors

Walter B. Nettleton Scholarship (2015), William G. Reed Endowed Fellowship in Sustainable Resource Sciences (2015), David R.M. Scott Endowed Scholarship (2015), SOU Exceptional Achievement Biology Student of the Year (2013), SOU Biology Department Honors (2013), Magna Cum Laude (2013), SOU Dean's List (2011, 2012, 2013), Butte Community College Student Assistant of the Semester (2010), Bruce McCulloch Outstanding Life Science Student Memorial Scholarship (2011)

Research and Professional Experience

Research Scientist

April 2015—September 2015

University of Washington

Adaptation Partners (adaptationpartners.org)

Supervisor: David L. Peterson

- Distilled climate change adaptation options for land managers into adaptation synthesis library.
 - Adaptationpartners.org/library.php
- Worked with resource agencies to facilitate adaptation to climate change
- Fostered partnerships and facilitated workshops with scientists and managers to develop climate change adaptation strategies and options for resource managers

Forest Ecology Volunteer

July 2014

Yosemite Forest Dynamics Plot

Utah State University

Supervisor: Dr. James Lutz

- Inventoried each tree in plot post burn
 - Species identification, dbh, height, percent alive, vigor assessment
- Burn assessment
 - Percent burned, burn height, burn intensity, areas of tree burned
- Mortality assessment
 - Exposed cambium with hatchet and identified beetle scars and fungus

Limnology Field Technician

June 2012-August 2012

Mývatn, Iceland

University of Wisconsin, Madison

NSF funded REU position

Supervisor: Dr. Anthony R. Ives

- Created and implemented independent senior capstone project on diel vertical migration of zooplankton
- Routine lake sampling
 - Sediment cores, secchi reading, zooplankton and phytoplankton sampling, emergence trap deployment and collection
- Routine terrestrial sampling
 - Sticky cards, infall trap, and pitfall trap collection and set-up, vegetation identification
- Boat, vehicle, and field equipment repair and maintenance
- Various lab duties including data entry, zooplankton and insect identification and quantification

Plant Ecology Intern

November 2010-June 2012

California State University Chico, Chico, CA

Supervisor: Melissa Ha

- Assisted Study on competition between pollinators in *Clarkia* wildflowers
 - Hand pollinated flowers, located and monitored wild populations, transplanted in field and greenhouse, Identified and counted flower parts

Forest Ecology Field Technician

May 2010-August 2010

Ecology of Bird Loss Project, Mariana Islands, U.S.A.

University of Washington

NSF funded REU position

Supervisor: Dr. Haldre Rogers

- Set up independent research project on the role of birds in seed dispersal from native forest into non-native secondary forest
- Seed dispersal field work
 - Checked seed traps, sorted seeds, collected fruit for seeds, propagated seeds
- Food web field work
 - Seedling herbivory and mortality data on bird exclosure experiment
- Mapped forest plots
 - Species identification, GPS, dbh, tree tagging

Sea Turtle Research Volunteer

June 2008-July 2008

Costa Rica National Park Service, Samara, Costa Rica

Supervisor: Roy Rodriguez

- Catalog nests
 - Patrolled beach for new nests and poachers, counted eggs, identified species, relocated eggs to hatchery, monitored hatchery for new hatchlings, released hatchlings

Publications

Halofsky, J.E., Peterson, D.L., **Kemp-Jennings, S.B.** (In Review). A New Climate Change Library for Natural Resources in the Western United States. *Journal of Environmental Management*.

Caves, EM, **Jennings, SB**, HilleRisLambers J, Tewksbury JJ, Rogers, HS, (2013). Natural Experiment Demonstrates That Bird Loss Leads to Cessation of Dispersal of Native Seeds from Intact to Degraded Forests. *PLoS ONE* 8(5):e65618.

Doi:10.1371/journal.pone.0065618

Posters

Kemp-Jennings, S.B., Caves, E.M., Rogers, H.S., Hooshiar, E.M. 2010. Role of Birds in Regeneration of Native Forests: A Case Study from the Mariana Islands CSU Chico poster conference. Chico, CA.

Presentations

Kemp-Jennings, S.B. 2012. "Diel Vertical Migration of Zooplankton in Lake Myvatn, Iceland". Southern Oregon University Arts and Research (SOAR) Symposium. Ashland, OR.

Kemp-Jennings, S.B. 2011. "Flora of the Mariana Islands and the Ecology of Bird Loss Research Project". California Native Plant Society. Chico, CA.

Kemp-Jennings, S.B. and Caves, E.M. 2010. "The Role of Birds in Forest Regeneration: Dispersal of Native Seeds into Invasive *Leucaena* Forest on Guam and Saipan". University of Guam science seminar series. Mangilao, Guam.

References

Dr. Anthony R. Ives, University of Wisconsin Department of Zoology, arives@wisc.edu, 608-262-1519

Dr. Haldre Rogers, Rice University Department of Ecology and Evolutionary Biology, haldre@rice.edu, 206-895-2252

Dr. Michael Williams, Butte Community College (retired), wyethia@earthlink.net, 530-228-1230

Dr. John Roden, Southern Oregon University Department of Biology, rodenj@sou.edu, 541-552-6798

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