

2012-2022 Bloom Hays Awardees

2022

- **Jessica Burton, California State University, Long Beach (MS), \$2500, Optimizing Artificial Raft Placement for the Light-footed Ridgway's Rail (*Rallus obsoletus levipes*).**
- **Janelle Chojnacki, California Polytechnic State University, Humboldt (MS), \$2,500, Common Raven Movement Around Western Snowy Plover Nesting Habitat.**
- **Riley Jones, University of Nevada, Las Vegas (PhD), \$2,500, Clark's Nutcrackers as agents for Dispersal of Bristlecone Pine.**
- **Janine Fischer, University of California, Los Angeles (PhD), \$1,200, Effects of Interspecific Competition on Habitat Use by Stephens' Kangaroo Rat.**
- **Jessica Mullins, University of California, San Diego (PhD), \$1,500, Eleven Year Resurvey to Uncover the Life History Traits of Native Bees Resistant or Vulnerable to Habitat Fragmentation.**

2021

- **Joseph Curti, University of California, Los Angeles (PhD), \$2,500, Assessing Barriers to California Quail Gene Flow in the Santa Monica Mountains.**
- **Caryn Iwanaga, University of California, Riverside (Undergraduate), \$1,200, Campus Hill Restoration Research Project.**
- **Alexandria Koedel, California Polytechnic State University, Pomona (MS), \$1,300, Genetic Polymorphism in Candidate Genes of Resident and Migratory Turkey Vultures.**
- **Stephanie Calloway, California Polytechnic State University, San Luis Obispo (MS), \$2,500, Saving a Rare Plant Species to Increase Seabird Nesting Habitat on Anacapa Island.**
- **Rachel Bockrath, California Polytechnic State University, Pomona (MS), \$1,000, Avian Diversity and Foraging Behavior in a Heterogeneous Urban-Agroecosystem.**
- **Joanna Tang, University of California, Santa Barbara (PhD), \$1,000, Ecotypic Variation in Vernal Pool Communities.**
- **Nina Vinuti, University of California, Davis (MS), \$500, Can Injured Trees Keep Up with Climate Change? Assessing the Effects of Fire Injury on Conifer Fecundity in Sierra Nevada Forests.**

2020

- **Timothy Brown, University of California, Santa Cruz (PhD), \$2,500, Climate Change and the Continent's Highest-elevation Birds: North America's Rosy-Finches on the Escalator to Extinction.**
- **Alexandra Gresham, California Polytechnical University, Pomona (MS), \$1,330, Lead Toxicity and its effects in the California Turkey Vulture.**

- **Amanda Martinez, California State University, Long Beach (MS), \$1,170, Prey Availability as a Correlate of Nesting Success for the California Least Tern (*Sternula antillarum browni*).**
- **Janine Fischer, University of California, Los Angeles (PhD), \$2,000, Effects of Competitor Familiarization on Pacific Pocket Mouse Reintroduction Success.**
- **Kaleigh Russell, University of California, Riverside (PhD), \$1,500, Pollinator Diversity in the Southern California Desert.**
- **Racine Rangel, University of California, Irvine (PhD), \$1,500, Do climate conditions affect host-parasite relationships in marine snails?**

2019

- **Amanda Martinez, California State University, Long Beach (MS)**, \$1,250, *Prey Availability and Habitat Characteristics as Correlates of Nesting Success for the California Least Tern (*Sternula antillarum browni*)*
- **Timothy Brown, University of California, Santa Cruz (PhD)**, \$2,500, *Assessing Climate Vulnerability for the Continent's Highest Elevation Breeding Birds: North America's Rosy-Finches*
- **Stephanie Nehasil, University of California, San Diego (PhD)**, \$2,000, *Linking Climate and Prey Availability to Population Dynamics of Marine Predators*
- **Anthony Dant, California State Polytechnic University, Pomona (MS)**, \$2,000, *The Effects of Urbanization on California Towhees in Southern California*
- **Kandi Erickson, California State University, Long Beach (Undergraduate)**, \$750, *The Effects of Predation and Competition on Nest Density of California Least Terns (*Sternula antillarum browni*)*
- **Elizabeth Bullard, University of California, San Diego (PhD)**, \$750, *Response and Functional Impacts of Shell Calcification Traits of Three Ecologically Important Bivalve Species Along a pH and Temperature Gradient*
- **William Ota, University of California, Riverside (PhD)**, \$750, *The Effect of Two Effluent Outflows on the Santa Ana River*

2018

- **Chris Vennum, Colorado State University, Fort Collins (PhD)**, *Territory Persistence and Reproductive Performance of Swainson's Hawks (*Buteo swainsoni*) Across Habitat Interfaces* (\$2,500)
- **Amy Miles, University of California, Davis (Undergrad)**, *Assessing Reproductive Condition of Ashy Storm Petrels on Southeast Farallon Island* (\$1,500)
- **Dillon Travis, University of California, San Diego (PhD)**, *Honey Bee Pollination May Increase Geitonogamy and Inbreeding Depression in Native Plants While Competing with Native Pollinators for Floral Resources* (\$500)
- **Carmel Tabush, Cal Poly Pomona (Masters)**, *Seasonal Bee Diversity and Abundance within the California Sage Scrub of the San Jose Hills and Chino Hills* (\$500)

2017

- **Neil Gilbert, University of Alabama, (Masters)**, *Habitat Relationships of Grassland Birds in the Black Belt Region of Alabama and Mississippi* (\$600)
- **An Bui, University of California, Santa Barbara (PhD)** *Parasite Avoidance Behavior in Seabirds: Seasonal Endoparasite Load in Western Gulls* (\$1,700)
- **David Zonana, University of Colorado, Boulder (PhD)**, *Influences of Adaptation and Social Networks on Hybridization in the Quail of Southern California* (\$1,700)
- **Alyssa Frederick Braciszewski, University of California, Irvine (PhD)**, *Abalone Disease Resistance* (\$500)

2017 (continued)

- **Ana Guerra, University of California, Santa Barbara (PhD),** *An Overlooked Key Player? Nitrogen Deposition by the Channel Islands Western Gull* (\$500)

2016

- **Shannon Lynch, University of California, Santa Cruz (PhD),** *Risk, Spread, and Control of Fusarium Dieback – Shot Hole Borers Throughout Native Plant Communities in Southern California* (\$2,225)
- **Richard Hedley, University of California, Los Angeles (PhD),** *Tracking Migration of Cassin's Vireo: Identifying Wintering Grounds and Assessing the Impact of Brood Parasitism on Migratory Movements* (\$680)
- **Sara Matthews, California State University, Humboldt (Masters),** *Utilizing Unmanned Aircraft Systems to Understand the Changing Phenology of Eared Grebes at Mono Lake* (\$800)
- **Devyn Orr, University of California, Santa Barbara (PhD),** *Impact of Large Mammals and Climate on Bird Abundance and Diversity in Southern California* (\$800)
- **Joseph Gamez, California State University, Fullerton (Undergraduate),** *An Investigation of the Population Spread and Potential Host Species of the Pin-Tailed Whydah, an Exotic Obligate Brood Parasite in Southern California* (\$500)

2015

- **Michelle Barton, California State University, Long Beach,** *Nest Site Selection of the Light-footed Ridgway Rail (*Rallus obsoletus levipes*) in Two California Salt Marshes* (\$900)
- **Alexandria Pivovarovff, University of California, Riverside,** *Linking Climate Change, Vegetation Mortality, and Fire to Resiliency of Chaparral and Coastal Sage Scrub in the Santa Monica Mountains* (\$1,745)
- **Kevin Neal, University of California, Los Angeles,** *Landscape Genomics of the Western Spadefoot Toad, *Spea hammondi*, in Southern California* (\$1,000)
- **Rachel Chock, University of California, Los Angeles,** *Little Pocket Mice: Habitat Use and Competition in a Coastal Sage Scrub Community* (\$1,000)
- **Amanda Agosta, Mt. San Antonio Community College (Undergrad),** *Mt. Wildlife Sanctuary Baseline Bird Data (A pair of 8X42 binoculars)*

2015 (continued)

Sea and Sage also provided funding for the following non-student projects (from the general fund) as recommended by the Science Committee:

- **John Stanek, Southern Sierra Research Station, Western Yellow-billed Cuckoo Dispersal and Migration (\$1,962)**
- **Jennifer Gee, James San Jacinto Mountains Reserve, Causes of Reproductive Barrier Breakdown in California, Gambel's and Mountain Quail (\$1,560)**

2014

- **Justin Valliere, University of California, Riverside, Nitrogen Deposition and Post-fire Recovery of Coastal Sage Scrub Habitat (\$2,000)**
- **Colleen Nell, University of California, Irvine, The Role of Insectivorous Birds in Coastal Sage Scrub Ecosystem (\$1,000)**
- **Rachel Chock, University of California, Los Angeles, Little Pocket Mice: Habitat Use and Competition on a Coastal Sage Scrub Community (\$1,000)**
- **James Hung, University of California, San Diego, Linking Pollinator Diversity to Reproduction of Coastal Sage Scrub Plants (\$500)**
- **Hannah Sadowski, San Diego State University, There and Back Again: A Temporal Analysis of Restored Riparian Woodlands (\$500)**

Sea and Sage also provided funding for the following non-student projects (from the general fund) as recommended by the Science Committee:

- **Jennifer Gee, James Reserve, Causes and Consequences of Secondary Contact in California, Gambel's, and Mountain Quail**
- **William Clark, RapTours, Further Field Work on Krider's Hawk**

2013

- **Megan Fitzgerald, California State University Long Beach, The Relationship Between Biodiversity and Ecosystem Function in a Coastal Wetland.**
- **Sokanary Sun, California State University Long Beach, Determining Ecosystem Functions of Brackish vs. Salt Marsh.**

2012

- **Tania Asef, California State University Long Beach**, *Impacts of Genetically Diverse Tamarisk Invading San Dieguito Lagoon and Tiajuana Estuary*
- **Anastasia Shippey, California State University Long Beach**, *Effect of Climate Change on a Restored Southern California Salt Marsh.*
- **Alyssa Stephenson, California State University, Fullerton**, *Seasonal Progression of Prey of Nesting Elegant Terns in Southern California Based on GPS Tracking.*