Botany of 4H Camp - March 7, 2020

Day’s overview.

* Intro,
  + Wilderness trail safety,
  + App, phone and data usage with iNaturalist,
  + Brief review of “Flora of Las Posadas State Forest, Angwin, CA,” by Jake Ruygt of the Forest Service, date October 2009. Field searches for specimens conducted from 2007-2008 by the author.
* Field work,
  + Treasure hunt for blooms,
  + White Alder Riparian Forest near the campfire,
    - Macroflora, understory, and riparian exploration,
    - Bonus: kingdom Animalia,
      * newts and salamanders,
        + *Taricha* *torosa*, California newt, almost in the riverbed, Pacific Coast endemic,
        + [*Batrachoseps attenuatus*](https://www.inaturalist.org/taxa/27459), California slender salamander, a California endemic,
        + [*Stenopelmatus*](https://www.inaturalist.org/observations/39686295)spp*,* [Jerusalem Crickets](https://www.inaturalist.org/observations/39686295),
      * banana slugs,
        + *Ariolimax* spp*.*
      * California gall wasps,
        + [*Andricus quercuscalifornicus*](https://www.inaturalist.org/taxa/55887), Pacific Coast endemic,
  + Meet and greet with [Aimee Wyrick](http://sweetgum.nybg.org/science/ih/person-details/?irn=174779), Director and Curator of the Herbarium, and Chair and Associate Professor of the Department of Biology, Pacific Union College,
    - Herbarium overview, and plant press,
    - Student publications,
  + Douglas Fir – Coast Redwood Forest,
    - Macroflora, unique locatin of these Redwoods, and genetics discussion
    - Bonus: arthropods,
      * *Atypoides riversi,* California endemic,
      * Turret examination,
    - Ferns biodiversity,
    - Bonus: fungi,
      * *Tremella mesenterica,* witch’s butter,
  + Douglas Fir - Ponderosa Pine Forest,
    - Bonus: newts,
      * *Ensantina eschscholtzii,* West Coast endemic,
  + Stream exploration at Arrow Flats,
    - Ferns,
  + White Leaf Manzanita – Leather oak Serpentine Chaparral beginning near forest retreat,
    - Treasure hunt for wildflowers in chaparral,
    - Dwarfism, and summer drought ecosystem.

Overview of results in iNaturalist, with contributions from each of the users.

<https://www.inaturalist.org/projects/4h-botany-los-posadas-state-forest>

(filtered for date range 3/6-8/2020.

* Overview
* **94** OBSERVATIONS
* **41** SPECIES
* **23** IDENTIFIERS
* **3** OBSERVERS

After the field date, 139 Identifications have been added by the community to these observations, including the following,

* Top identifier of Sessile-flowered trilliums,
  + [trscavo](https://www.inaturalist.org/people/trscavo) with 2318 IDs,
* Top Identifiers of Ensatina
  + [alexb0000](https://www.inaturalist.org/people/alexb0000) with 689 IDs.
* Top Identifiers of Warrior's Plume, California native,
  + [graysquirrel](https://www.inaturalist.org/people/graysquirrel), with2309 IDs.

Details of hike: 0.9 miles each way; elevation ascent +325 ft, and descent -235 ft.