

LICHENS OF STEBBINS COLD CANYON RESERVE, SOLANO COUNTY, CALIFORNIA

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In Spring 2000, Judy and Ron Robertson, outstanding naturalists from Sonoma, California, made several field trips for lichens at the Stebbins Cold Canyon Reserve, Solano County, California. They organized a trip there for CALS on February 26, 2000, but it was rained out and cancelled. A second on March 26, 2000 included a group of about 20 members of the Davis Botanical Society. Another trip the following year (Feb. 24, 2001) was led by Judy on lichens and Cheryl Beyer on mosses, and included 11 CALS members and several others from UCD. The weather this time also featured drenching rain (Anonymous, 2001).

The Stebbins Cold Canyon Reserve is one of 37 reserves of the University of California Natural Reserve System. The Stebbins Reserve is named for an internationally known geneticist at UCD, G. Ledyard Stebbins, who led field trips of students and others throughout the state including these coastal ranges. This reserve is in a steep, north-facing canyon in the California Inner Coast Range with blue oak woodlands, chaparral, and an intermittent stream in the canyon. It is close to Lake Berryessa, a large impoundment west of the town of Winters. This reserve is under the control of the University of California at Davis.

Judy and Ron Robertson reported 52 lichen species and donated 47 lichen vouchers from this Reserve to the herbarium at UC Davis. Rob Weiss, another field trip participant donated two lichen vouchers. Although Judy said that the lichen flora was not diverse, some species collected on rock are interesting and infrequently reported, such as *Caloplaca demissa*, *Catapyrenium psoromoides*, *Dermatocarpon intestiniforme*, and *Massalongia carnosa*. The corticolous species *Waynea californica* also is infrequently collected, although probably not rare but merely inconspicuous. The lichens are listed below.

Caloplaca chrysophthalma Degel. (no Robertson voucher at UCD)

Caloplaca demissa (Körb.) Arup & Grube, on sandstone (misapplied name: *Lecanora demissa*) Note: Arup & Grube (1999) made the transfer.

Caloplaca variabilis (Pers.) Mull. Arg., on sandstone

Candelaria pacifica Westberg, on bark (name likely misapplied as *C. concolor* (Dicks.) Stein. Note: *C. pacifica* is the prevalent species of *Candelaria* in California. Most older reports of *C. concolor* from California were incorrect (Westberg & Nash 2002).

Catapyrenium psoromoides (Borrer) R. Sant., on sandstone

Cladonia pyxidata (L.) Hoffm., on moss

Collema nigrescens (Huds.) DC., on oak

Dermatocarpon intestiniforme (Körber) Hasse, on sandstone

Dermatocarpon miniatum (L.) W. Mann, on rock

Diploschistes scruposus (Schreber) Norman, on rock

Evernia prunastri (L.) Ach.

Hypogymnia imshaugii Krog

- Kaernefeltia merrillii* (Du Rietz) A. Thell & Goward (mislabeled as *Tuckermannopsis merrillii*)
- Lecanora muralis* (Schreber) Rabenh., on rock
- Lecidea tessellata* Flörke, on sandstone
- Leptochidium albociliatum* (Desmaz.) Choisy, on moss
- Leptogium lichenoides* (L.) Zahlbr., on moss
- Leptogium californicum* Tuck., on moss
- Massalongia carnosa* (Dicks.) Körb., on moss
- Melanelia glabra* (Schaerer) Essl., on oak
- Ochrolechia mexicana* Vain., on bark
- Parmelia sulcata* Taylor
- Parmeliella cyanolepra* (Tuck.) Herre
- Parmelina coleae* Arguello, del Prado, Cubas & Crespo, on oak (misapplied name as *Parmelina quercina* (Willd.) Hale (name change in Arguello et al. 2007; McCune & Geiser 2009))
- Peltigera canina* (L.) Willd., over moss on soil
- Peltigera praetextata* (Somm.) Zopf.
- Peltula obscurans* var. *hassei* (Zahlbr.) Wetmore, on rock
- Peltula euploca* (Ach.) Poelt, on rock
- Pertusaria amara* (Ach.) Nyl. (no Robertson voucher at UCD)
- Phaeophyscia hirsuta* (Mereschk.) Essl., on oak (misapplied name: *P. cernohorski* (Nadv.) Essl. (synonymy in Esslinger 2004a))
- Physcia dubia* (Hoffm.) Lettau
- Physcia stellaris* (L.) Nyl. (no Robertson voucher at UCD)
- Physcia tenella* (Scop.) DC.
- Physconia americana* Essl., on oak
- Physconia enteroxantha* (Nyl.) Poelt, on oak
- Physconia isidiigera* (Zahlbr.) Essl., on bark
- Physconia perisidiosa* (Erichsen) Moberg
- Placynthium nigrum* (Huds.) Gray, on sandstone
- Pleopsidium flavum* (Bell.) Körb., on sandstone (mislabeled as *P. chlorophanum* (Wahlenb.) Zopf Note: According to Hafellner (1993), many records, including all from lowland areas, are almost certainly misidentifications, because this species is arctic/alpine in Europe. *P. chlorophanum* has been collected once in CA, on Santa Cruz Island (K. Knudsen 2005d).)
- Polychidium muscicola* (Sw.) Gray, on moss
- Psora tuckermanii* R. Anderson ex Timdal
- Punctelia jeckeri* (Roum.) Kalb (misapplied name: *P. subrudecta*; see Lendemer & Hodkinson 2010)
- Ramalina farinacea* (L.) Ach.
- Trapelia coarctata* (Sm.) Choisy on sandstone
- Trapelia glaucopholis* Nyl. ex Hasse Printzen & McCune on moss (misapplied name: *T. wallrothii*)
- Umbilicaria phaea* Tuck. (no Robertson voucher at UCD)
- Usnea filipendula* Stirt.
- Usnea glabrescens* (Nyl. ex Vain.) Nyl.

Waynea californica Moberg (as misapplied name *W. stoechadiana*)
Xanthoparmelia cumberlandia (Gyel.) Hale, on sandstone
Xanthoparmelia verruculifera (Nyl.) A. Crespo, Elix, D. Hawksw., & Lumbsch, on rock
(misapplied name: *Neofuscelia verruculifera* (Nyl.) Essl.) Note: The North American species of *Neofuscelia* were moved to *Xanthoparmelia* (*fide* McCune & Geiser 2009)
Xanthoparmelia plittii (Gyel.) Hale, on sandstone
Xanthomendoza fallax (Hepp) Søchting, Kärnefelt & S. Y. Kondr. (misapplied name:
 Xanthoria fallax)
Xanthoria parietina (L.) Th. Fr. (no Robertson voucher at UCD)

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