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 carnos*. 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 minutum* (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.
Physcionia americana Essl., on oak
Physcionia enteroxantha (Nyl.) Poelt, on oak
Physcionia isidiigera (Zahlbr.) Essl., on bark
Physcionia 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 glaucocephala 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)

LITERATURE CITED


