

Ventura County Lichens: Annotated Checklist

By David L. Magney

This is an annotated checklist of all lichens and lichenizing fungi known to occur in Ventura County, California. Ventura County represents one percent (1%) of the land area of California. The checklist is arranged alphabetically by scientific name. It is updated periodically. At present, there are 277 lichen taxa known to occur in Ventura County, supported by one or more voucher specimens as listed on the [Consortium of Lichen Herbaria](#). The lichens are listed alphabetically by scientific name. Each entry includes the current scientific name, common name, family, synonyms, and rarity ranking at global, state, and local levels. This is followed by a very brief description of the thallus and apothecia, as well as the substrate it is typically found on. A photograph of each lichen species is included when available.

Rarity levels are obtained from NatureServe¹ for global “G” rarity rankings (1 through 5) and the California Department of Fish and Wildlife Service (CDFW) Natural Diversity Database for statewide “S” (California) rarity rankings (1 through 5).

Rarity ranking categories are defined below:

G1/S1 = Critically Imperiled – 5 or fewer extant populations

G2/S2 = Imperiled – 6 to 10 extant populations

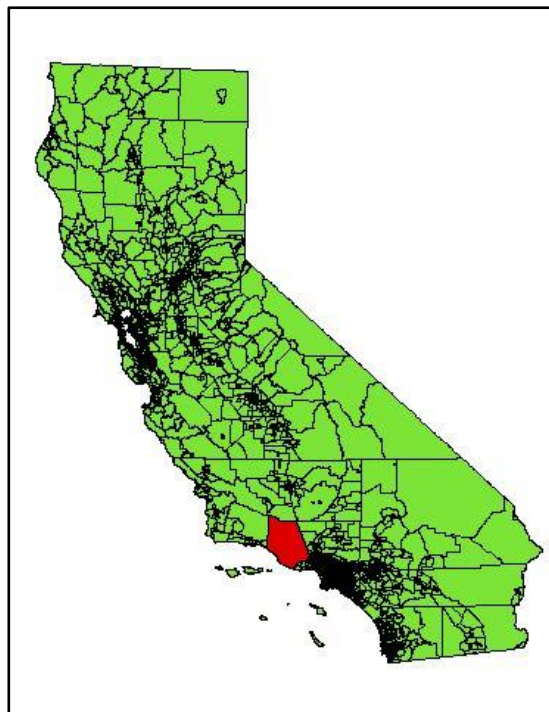
G3/S3 = Vulnerable – 11 to 19 extant populations

G4/S4 = Apparently Secure – 20 to 29 extant populations

G5/S5 = Secure – 30 or more extant populations.

Since most lichens have not been assigned rarity rankings by the CDFW, the author provides a suggested state rarity ranking based on the number of known occurrences in California with a “S1-5?” in parentheses for consideration. Local “L” rarity rankings (L1 through L5) follow the same basic criteria used by NatureServe and the author also uses for the vascular plants of Ventura County (Magney 2004²). The author ranks taxa with an L1 rarity status as Locally Rare, with 5 or fewer extant populations and those with an L2 rarity status as Locally Uncommon, with 6 to 10 extant populations, both warranting conservation in Ventura County.

Every known occurrence within Ventura County is provided in each bioregion of Ventura County as developed for the [Flora of Ventura County](#), with all known vouchers from mainland occurrences provided. This is followed by a listing of all California counties each taxon has been reported to occur in. Herbarium designations are: SBBG for Santa Barbara Botanic Garden, UCR for University of California at Riverside (now at SBBG), WIS for University of Wisconsin at Madison, PRM for Prague Museum of Natural History, ASU for Arizona State University, UCSB for University of California at Santa Barbara, COLO for University



¹ NatureServe - <https://explorer.natureserve.org/AboutTheData/DataTypes/ConservationStatusCategories>

² Magney, D.L. 2004. Acceptability of Using the Natural Heritage Program's Species Ranking System for Determining Ventura County Locally Rare Plants. 25 November 2004. David Magney Environmental Consulting, Ojai, California. Prepared for California Native Plant Society, Channel Islands Chapter, Ojai, California. (Published at www.cnpsci.org.)

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of Colorado at Denver, US for United States Herbarium Smithsonian, FH for Farlow Herbarium at Harvard University, MIN for Bell Museum at University of Minnesota, OSU for Oregon State University, OBI for Hoover Herbarium at California Polytechnic University at San Luis Obispo.

Ventura County occupies three basic physiographic regions: Western Transverse Ranges, South Coast, and Channel Islands. The author has divided Ventura County into 58 bioregions as illustrated in the map below. These bioregions, listed below from the northwestern corner, eastward, then repeated west to east southward, followed by the two islands.



Eastern Sierra Madre Range
Mount Pinos
Frazier Mountain
San Guillermo Mountain
Alamo Mountain
Ortega Hill
Dry Lakes Ridge
Monte Arido Mountain
Santa Ynez Mountains
Lower Sespe Creek
Laguna Ridge

Cuyama Badlands
Chuchupate Valley
Gold Hill
Upper Piru Creek
Upper Middle Piru Creek
Middle Sespe Creek
Pollard Point
Matilija Canyon
Nordhoff Ridge
Whiteacre Peak Ridge
Ojai Valley

San Emigdio Range/Mountains
Lockwood Valley
Hungry Valley
Pine Mountain Ridge
Upper Sespe Creek
Agua Blanca Creek
Lower Middle Piru Creek
North Fork Matilija Canyon
Topatopa Mountains
Lower Piru Creek
Upper Ojai Valley

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Santa Paula Canyon	Rincon Mountain	Red Mountain
Sulphur Mountain	Santa Paula Ridge	Rincon Coast
Lower Ventura River Valley	Ventura Hills	Pierpont Bay
Montalvo	Santa Clara River Valley	Santa Susana Mountains
Oxnard Plain	Camarillo Hills	Las Posas Valley (and Hills)
Simi Valley	Santa Rosa Valley	Conejo Mountains
Conejo Valley	Hidden Valley	Russell Valley
Santa Monica Mountains	Anacapa Islands	San Nicolas Island

The lichen flora is an important component of the ecology of most terrestrial habitats. Lichens have several functions, including:

- Colonizing bare substrates (rocks, trees, soil),
- Contributing to soil formations,
- Decomposing rock substrates,
- Nutrient cycling (particularly nitrogen fixation),
- Minimize soil erosion,
- Carbon sequestration (absorbing atmospheric CO²),
- Providing habitat for invertebrates, and
- Providing food for wildlife, primarily invertebrates.

Recognizing the functions the lichen flora serve, it is important to document the occurrences of each species and assess human activities will have on this component of our biosphere.

Annotated Catalogue of Lichens

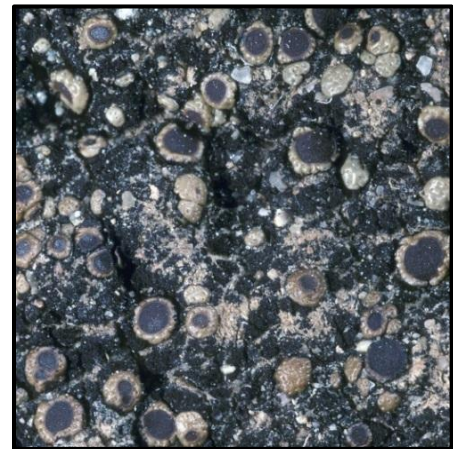
Acarospora obpallens (Nyl. ex Hasse) Zahlbr. – a Cobblestone Lichen - Acarosporaceae

[*Lecanora obpallens* Nyl. Ex Hasse]

Rarity Ranking: G unranked, S unranked (S3?), L1
Thallus areolate or verruculate, pale yellowish brown to dark brown. Apothecia dark brown. Substrate: soil, sandstone, rhyolite and granite, usually on E and W exposures.

VENTURA CO.: Simi Valley, Rocky Point Park on sandstone (*C. Bratt 11315, 11326 SBBG*); Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney 5624 SBBG*), Decker Canyon (*H.K. Thiers 33614 SFSU*), Sandstone Peak between Tri-Peaks & Backbone Trails (*K. Knudsen 8388 UCR*).

Also known to occur in Contra Costa, Los Angeles, Marin, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Santa Clara Counties. Photo by Stephen Sharnoff



Acarospora oligospora (Nylander) Arnold – a Cobblestone Lichen - Acarosporaceae

[*Acarospora glebosa* S. Almquist]

Rarity Ranking: G unrankable, S unranked (S4?), L1

Thallus verruculate, brown. Apothecia often lecanorine, 1 per aerole, brownish red, turning red when wet. Substrate: granite or sandstone, usually on pebbles or stones, boulders.

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VENTURA CO.: Upper Sespe Creek, Derrydale Creek (C. Bratt 5034 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5597 SBBG), Sandstone Peak off Mishe Mokwa Trail (Knudsen 8384 SBBG), near Lake Eleanor Dam (Knudsen 11238 FH).

LOS ANGELES CO.: Santa Monica Mountains (H. Hasse 159 ASU), Royce Canyon in Griffith Park at 263 m (K. Knudsen 2341 SBBG), Hepatic Gulch in Malibu at 676 m (K. Knudsen 11836 SBBG); San Clemente Island (C.C. Bratt 9807 SBBG); Santa Catalina Island, N side Ackerman Grove at 372 m (K. Knudsen 15525 SBBG), ridge off East End Road at 393 m (K. Knudsen 15585.4 SBBG). MARIN CO.: Mount Tamalpais near Rock Creek parking lot (C.C. Bratt 11899 SBBG).

RIVERSIDE CO.: San Jacinto Mountains, hilltop in Garner Valley at 1371 m (K. Knudsen 1196

ASU/PH/SBBG), above Soboda Hot Springs at 6010 m (C.M. Wetmore 14696A ASU/MIN), Bautista Canyon at 792 m (K. Knudsen 1262 SBBG); Santa Ana Mountains, Santa Rosa Plateau along Waterline Road at 555 m (Brodo et al. 33343 CMN) & N of Monument Hill Rd at 595 m (K. Knudsen 5981 SBBG), E of Granite Loop Trail at 537 m (K. Knudsen 5971, 5972 SBBG), Alberhill at 432 m (K. Knudsen 1174 SBBG); Elsinore (H.E. Hasse sn 1905 FH). SANTA BARBARA CO.: Sedgwick UC Reserve at 246 m (K. Knudsen 15729 SBBG); Sierra Madre Mountains, Painted Rock in Montgomery Potrero (C.C. Bratt 3447 SBBG). SAN DIEGO CO.: Santa Ana Mountains, Camp Pendleton S of Margarita Peak at 778 m (K. Knudsen 4232 SBBG); San Diego at Kwaay Paay in Mission Trails Regional Park at 309 m (K. Knudsen 11006 SBBG); Warner Hot Springs/Indian Wells at 1179 m (K. Knudsen 15640 SBBG).

Distribution: Northern Europe, North America (Arizona, southern California).

Photo by Rolf Muerter



***Acarospora privigna* (Ach.) Gotth. Schneid. – Common Coal-dust Lichen – Acarosporaceae**

[*Acarospora cervina* var. *privigna* (Ach.) Mudd, *Acarospora cervina* var. *simplex* (Taylor) Mudd, *Acarospora simplex* (Taylor) Jatta nom. illegit., *Acarospora simplex* var. *decipiens* (A. Massal.) Jatta, *Biatora privigna* (Ach.) Müll.Arg., *Biatorella privigna* (Ach.) Sandst., *Biatorella privigna* f. *privigna* (Ach.) Sandst., *Biatorella privigna* var. *privigna* (Ach.) Sandst., *Biatorella pruinosa* var. *decipiens* Th. Fr. nom. illegit., *Biatorella revertens* (Tuck.) Herre, *Biatorella simplex* (Davies) Branth & Rostr., *Biatorella simplex* f. *complicata* (Cromb.) Sandst., *Biatorella simplex* f. *goniophila* (Flörke) Zahlbr., *Biatorella simplex* f. *incrassata* (Arnold) Zahlbr., *Biatorella simplex* f. *simplex* (Davies) Branth & Rostr., *Biatorella simplex* var. *angusta* (H. Magn.) Zahlbr., *Biatorella simplex* var. *calcifraga* (Müll.Arg.) Zahlbr., *Biatorella simplex* var. *chlorocinella* (Wedd.) H. Olivier, *Biatorella simplex* var. *crustosa* (H. Magn.) Zahlbr., *Biatorella simplex* var. *herpes* Norman, *Biatorella simplex* var. *hymenogonia* (Zahlbr.) Zahlbr., *Biatorella simplex* var. *incrassata* (Arnold) Zahlbr., *Biatorella simplex* var. *major* (H. Magn.) Zahlbr., *Biatorella simplex* var. *simplex* (Davies) Branth & Rostr., *Biatorella simplex* var. *strepsodina* (Ach.) H. Olivier, *Lecanora privigna* (Ach.) Nyl., *Lecanora privigna* var. *privigna* (Ach.) Nyl., *Lecanora privigna* var. *revertens* Tuck. [synonymy unresolved], *Lecanora simplex* (Taylor) Nyl., *Lecanora simplex* f. *complicata* Cromb., *Lecanora simplex* f. *simplex* (Davies) Nyl., *Lecidea privigna* Ach., *Lecidea simplex* Taylor, *Lecidea simplex* var. *calcifraga* Müll.Arg., *Lecidea simplex* var. *chlorocinella* Wedd., *Lecidea simplex* var. *simplex* (Davies) Taylor, *Polysporina simplex* (Taylor) Vězda, *Polysporina simplex* f. *simplex* (Davies) Vězda, *Polysporina simplex* var. *crustosa* (H. Magn.) N.S. Golubk., *Polysporina simplex* var. *simplex* (Davies) Vězda, *Psora privigna* (Ach.) Flot., *Rinodina privigna* (Ach.) Gray, *Sarcogyne privigna* (Ach.) A. Massal., *Sarcogyne privigna* f. *privigna* (Ach.) A. Massal., *Sarcogyne simplex* (Davies) Nyl., *Sarcogyne simplex* f. *complicata* (Cromb.) H. Magn., *Sarcogyne simplex* f. *goniophila* Flörke, *Sarcogyne simplex* f. *incrassata* Arnold, *Sarcogyne simplex* f. *lignicola* B. de Lesd. ex Meyl., *Sarcogyne simplex* f. *simplex* (Davies) Nyl., *Sarcogyne simplex* subsp. *incrassata* (Arnold) H. Magn., *Sarcogyne simplex* subsp. *simplex* (Davies) Nyl., *Sarcogyne simplex* var. *angusta* H. Magn., *Sarcogyne simplex* var. *crustosa* H. Magn., *Sarcogyne simplex* var. *hymenogonia* (Zahlbr.) H. Magn., *Sarcogyne simplex* var. *major* H. Magn., *Sarcogyne simplex* var. *simplex* (Davies) Nyl.]

Rarity Ranking: G5, S unranked, L2

Thallus crustose, endolithis or chasomolithic, sometimes forming an acorticate areolate crust. Apothecia black. Substrate: acidic or carboniaceous rocks, sometimes on soil.

VENTURA CO.: Chuchupate Valley, Mill Valley Rd



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(C.C. Bratt 11656 SBBG); Upper Sespe Creek, Sespe Gorge (C. Bratt 4130-A PH); Santa Paula Ridge, Toland Road Landfill (C.C. Bratt 10430 SBBG); Simi Valley, Rocky Pointe Park (C.C. Bratt 11324 SBBG); Santa Monica Mountains, trail between Tri-Peaks and Sandstone Peak at 829 m (K. Knudsen 8493 SBBG), Deals Flat on Beltrami property (Knudsen & Magney 5600, 5610, 5623 SBBG), near Lake Eleanor Dam (K. Knudsen 10710 SBBG); San Nicolas Island, along Shannon Rd (K. Tucker 36439 ASU), N Spur Canyon at 30 m (C.C. Bratt 12037 SBBG).

Also known from Contra Costa, El Dorado, Fresno, Inyo, Kern, Los Angeles, Marin, Mariposa, Mono, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Siskiyou, Sonoma, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

***Acarospora schleicheri* (Ach.) A. Massal. – Soil Paint Lichen – Acarosporaceae**

[*Acarospora ocellata* H. Magn., *Acarospora subcontigua* H. Magn., *Aspicilia schleicheri* (Ach.) Pit. & Harm., *Lecanora schleicheri* (Ach.) Nyl., *Lecanora schleicheri* f. *radicans* Nyl., *Lecanora schleicheri* f. *schleicheri* (Ach.) Nyl., *Lecanora schleicheri* var. *schleicheri* (Ach.) Nyl., *Parmelia schleicheri* (Ach.) Fr., *Placodium schleicheri* (Ach.) Boistel, *Urceolaria schleicheri* Ach.]

Rarity Ranking: G unranked, S unranked, L2

Thallus areolate or squamulose, yellow to bleached yellow. Apothecia usually 1/aerole, black to reddish brown. Substrate: soil.

VENTURA CO.: Camarillo Hills, Camarillo (R.O. Schuster 39 DAV); Conejo Mountains, N side of hills 4 mi N of Newbury Park (W.A. Weber S1729, S1732 COLO); Hidden Valley, Lake Sherwood “District” (W.J. Eyerdam sn 4-Dec-1954 UC); Santa Monica Mountains, slope above State Route 23 near Lake Eleanor Dam, Conejo Open Space, 34°8’12”N, 118°51’8”W, 297m (K. Knudsen & J. Kocourkova 10706 UCR); Anacapa Islands, on rocks (N. Wilson sn 16-Sep-1961 UC).

Also occurs in Del Norte, Humboldt, Siskiyou, Butte, Mendocino, Lake, Colusa, Sonoma, Marin, Solano, Napa, Yolo, Sutter, San Francisco, San Mateo, Contra Costa, Alameda, San Joaquin, Santa Clara, Santa Cruz, Monterey, San Benito, Stanislaus, Mariposa, Madera, San Luis Obispo, Tulare, Kern, Inyo, Santa Barbara, Los Angeles, San Bernardino, Riverside, Orange, and San Diego Counties. Photo by Stephen Sharnoff.



***Acarospora socialis* H. Magn. – Bright Cobblestone Lichen - Acarosporaceae**

Rarity Ranking: G unranked, S unranked (S4), L4

Thallus squamulose with stipe, yellow to greenish yellow. Apothecia usually 1/squamule, disk reddish-brown to golden yellow. Substrate: rock in full sun.

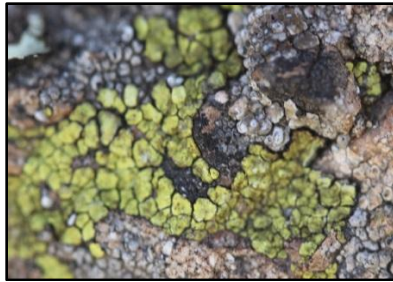
VENTURA CO.: Pine Mountain Ridge, along SR33 (E.A. Schmidt 942 WIS); Upper Sespe Creek, mouth of Potrero John Canyon; Matilija Canyon, W of Matilija Hot Springs at 1476 ft (W.A. Weber S-1040 ASU! for *A. intercedens*); Topatopa Mountains, Sisar Canyon (M. Cole 1235 SBBG); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10419 ASU); Hidden Valley, Ash property (K. Knudsen, C. Wishner, & D. Magney 9643 SBBG); Conejo Mountains, N side Conejo Mountain at 325 ft (K. Knudsen 4050 SBBG); Santa Monica Mountains, Point Mugu State Park at 20 ft (K. Knudsen & M. Knudsen 4065 SBBG), Deals Flat on Beltrami property, W of Deals Flat on Calderon property (see photo below), Sandstone Peak (I. Brodo et al. 31790 CANL) at summit at 3011 ft (K. Knudsen 8495 SBBG), Decker Canyon Rd (H.D. Thiers 33617 ASU); Anacapa Islands, West Anacapa Island (K. Knudsen 10865 SBBG), East Anacapa Island at 190 ft (K. Knudsen 5320 SBBG).

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Left: Potrero John



Center: Deals Flat



Right: Deals Flat

Also known from Butte, Colusa, Contra Costa, Imperial, Inyo, Kern, Kings, Lake, Los Angeles, Madera, Marin, Mendocino, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, Santa Barbara, Santa Cruz, Shasta, Siskiyou, Sonoma, Stanislaus, Sutter, and Tulare Counties.

***Acarospora thelococcoides* (Nyl.) Zahlbr. – Cobblestone Lichen – Acarosporaceae**

[*Acarospora pleiospora* Nyl., *Acarospora pleiospora* (Nyl.) Zahlbr., *Acarospora pleiospora* (Nyl.) Hasse, *Lecanora pleiospora* J. Steiner, *Lecanora pleiospora* var. *pleiospora* J. Steiner, *Lecanora pleiospora* var. *zimmermannii* Servit, *Lecanora pleiospora* J. Steiner, *Lecanora thelococcoides* Nyl.]

Rarity Ranking: G unranked, S1.2, L2

Thallus verruculose, forming round patches to 10 cm wide, whitish brown to dark brown. Apothecia 1/squamule, round, dull brown. The spores are many per ascus and spherical, ca. 12 µm in diameter. Substrate: granite-derived soil.

VENTURA CO.: Simi Valley, Santa Susana at Rocky Pointe Park (*C. Bratt 11362 SBBG*); Conejo Mountains, Long Grade Canyon along Potrero Road at 106 m (*R. Reifner Jr. 03-209 SBBG*), on thin soil over outcrops or rocky terrain along the Los Robles Trail in Conejo Mountain Recreation Area (*Riefner 92-111 WIS*); Simi Hills, Lang Ranch in Woodridge Open Space at 373 m (*K. Knudsen 11179 FH/SBBG*); Santa Monica Mountains, Backbone Trail at 478 m (*K. Knudsen 12052 FH/SBBG*).



Restricted to southern California (Fink 1935), and now apparently very rare due to urbanization. Identified by J.W. Thomson and compared with the isotype of *A.*

pleiospora Nyl. (a synonym of *A. thelococcoides*; J.W. Thomson, pers. comm.). Photo by Stephen Sharnoff

***Acarospora veronensis* A. Massal. – Verona Cobblestone Lichen – Acarosporaceae**

[*Acarospora magnussonii* Samp., *Acarospora obscura* H. Magn.]

Rarity Ranking: G5, S5, L1

Thallus dispersed aeroles, rarely contiguous, dull brown. Apothecia immersed, brown. Substrate: granite and volcanic rock, rarely on calcerous rock.

VENTURA CO.: Matilija Canyon (*H. Hasse sn 1904 MIN*); Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney 5591, 5616 SBBG*).



Also known from Glenn, Butte, Plumas, Sonoma, Napa, Solano, San Mateo County, Alameda, Santa Clara, Amador, Alpine, Santa Cruz, Monterey, San Benito, Tuolumne, Calaveras, Madera, Mono, San Luis Obispo, Tulare, Inyo, Santa Barbara, Los Angeles, San Bernardino, Riverside, Orange, and San Diego Counties.

Photo by Bruce McCune.

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***Amandinea punctata* (Hoffm.) Coppins & Scheid.**– Tiny Button Lichen – Caliciaceae

[*Buellia punctata* (Scop.) A. Massal., *Abrothallus thallophilus* (Ohlert) Arnold, *Amandinea myriocarpa* (DC.) M. Choisy nom. inval., *Buellia myriocarpa* (DC.) Mudd, *Buellia myriocarpa* f. *areolata* (Leight.) A.L. Sm., *Buellia myriocarpa* f. *depauperata* (Anzi) Walt. Watson, *Buellia myriocarpa* f. *ecrustacea* (Leight.) A.L. Sm., *Buellia myriocarpa* f. *leprosa* (Leight.) A.L. Sm., *Buellia myriocarpa* f. *myriocarpa* (DC.) De Not., *Buellia myriocarpa* f. *opegraphina* (Leight.) A.L. Sm., *Buellia myriocarpa* f. *punctata* (Hoffm.) Boistel, *Buellia myriocarpa* var. *myriocarpa* (DC.) De Not., *Buellia ocellata* f. *depauperata* Anzi, *Buellia praecavenda* (Nyl. ex Cromb.) Arnold, *Buellia punctata* (Hoffm.) Mass., *Buellia punctata* f. *areolata* (Leight.) Zahlbr., *Buellia punctata* f. *depauperata* (Anzi) Zahlbr., *Buellia punctata* f. *ecrustacea* (Leight.) Zahlbr., Cat. Lich. Univers. 7: 396 (1931), *Buellia punctata* f. *leprosa* (Leight.) Zahlbr., *Buellia punctata* f. *opegraphina* (Leight.) Zahlbr., *Buellia punctata* f. *punctata* (Hoffm.) A. Massal., *Buellia punctata* var. *punctata* (Hoffm.) A. Massal., *Buellia punctiformis* f. *depauperata* (Anzi) Szatala nom. inval., *Buellia punctiformis* f. *punctata* (Hoffm.) Vain., *Buellia punctiformis* var. *myriocarpa* (DC.) Arnold, *Buellia punctiformis* var. *punctata* (Hoffm.) Lyngby, *Buellia stigmata* f. *depauperata* Anzi, *Buellia verruculosa* f. *depauperata* (Anzi) Zahlbr., *Catocarpus myriocarpus* (DC.) Hasse, *Catocarpus myriocarpus* f. *ecrustaceus* (Leight.) Hasse, *Karschia myriocarpa* (DC.) Sacc. & Traverso, *Karschia myriocarpa* var. *myriocarpa* (DC.) Sacc. & Traverso, *Karschia thalloides* sensu auct. brit. (as '(Hepp) Rehm'), *Karschia thallophila* (Ohlert) Rehm, *Lecidea aequata* var. *depauperata* (Anzi) Stizenb., *Lecidea disciformis* var. *myriocarpa* (DC.) Nyl., *Lecidea myriocarpa* (DC.) Röhl., *Lecidea myriocarpa* f. *areolata* Leight., *Lecidea myriocarpa* f. *ecrustacea* Leight., *Lecidea myriocarpa* f. *leprosa* Leight., *Lecidea myriocarpa* f. *myriocarpa* (DC.) Röhl., *Lecidea myriocarpa* f. *opegraphina* Leight., *Lecidea myriocarpa* f. *punctata* (Hoffm.) Vain., *Lecidea parasema* f. *myriocarpa* (DC.) Ach., *Lecidea parasema* f. *punctata* (Hoffm.) Ach., *Lecidea parasema* var. *myriocarpa* (DC.) Ach., *Lecidea parasema* var. *punctata* (Hoffm.) Ach., *Lecidea praecavenda* Nyl. ex Cromb., *Lecidea punctata* (Hoffm.) Flörke, *Lecidea punctata* var. *punctata* (Hoffm.) Flörke, *Lecidea thallophila* (Ohlert) Ohlert, *Lecidella thallophila* Ohlert, *Lichen myriocarpus* (DC.) Lam., *Patellaria myriocarpa* DC., *Patellaria parasema* var. *myriocarpa* (DC.) Duby, *Patellaria parasema* var. *punctata* (Hoffm.) Duby, *Rinodina aequata* f. *depauperata* (Anzi) H. Olivier, *Verrucaria punctata* Hoffm., *Verrucaria punctata* var. *punctata* Hoffm.]

Rarity Ranking: G5, S unranked, L3

Thallus crustose, rimose to rimose-areolate, thin, dark to pale gray, rarely brown pale brown, greenish brown, dull. Apothecia lecideine, black, disc black. Substrate: bark or wood in dust-rich, nutrient rich disturbed habitats, very rarely on rock.



VENTURA CO.: Pine Mountain Ridge, summit along SR33 (*D.E. Baltzo 1319* ISC); Ojai Valley, Lake Casitas (*S.C. Tucker 32266, 32276* SBBG); Oxnard Plain, McGrath State Beach (*G.B. Perlmutter 3727b, 3729a*, NCU); Conejo Mountains, Long Grade Valley above Conejo Creek at 99 m (*K. Knudsen 4057* SBBG); Santa Monica Mountains, Chumash Trail on Point Mugu State Park at 180 m (*K. Knudsen 3984* SBBG), Deals Flat on Beltrami property (*Knudsen & Magney 5592* SBBG), Big Sycamore

Canyon at 213 m (*K. Knudsen 11201* SBBG), Carlisle Canyon on *Quercus lobata* (*I. Tavares 541b* ASU), below Sandstone Peak at 890 m (*K. Knudsen 1963.2* SBBG); Anacapa Islands, West Anacapa Island, East Anacapa Island; San Nicolas Island.

Also known to occur in Alameda, Calaveras, Del Norte, El Dorado, Fresno, Humboldt, Inyo, Lake, Lassen, Los Angeles, Marin, Modoc, Mono, Monterey, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Siskiyou, Sonoma, Tehama, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

***Acrocordia conoidea* (Fr.) Körb.** – Heart Tip Lichen - Monoblastiaceae

[*Acrocordia conoidea* f. *carnea* Arnold, *Acrocordia epipolaea* (Borrer) A.L. Sm., *Arthopyrenia conoidea* (Fr.) Zahlbr., *Arthopyrenia conoidea* var. *conoidea* (Fr.) Zahlbr., *Arthopyrenia conoidea* var. *suzae* Vězda, *Arthopyrenia conoidea* var. *triseptata* (Nyl.) Zahlbr., *Arthopyrenia epipolaea* (Borrer) A. Massal., *Leiophloeia conoidea* (Fr.) Trevis., *Sagedia conoidea* (Fr.) Hepp, *Thelidium conoideum* (Fr.) Kremp., *Verrucaria conoidea* Fr., *Verrucaria conoidea* var. *conoidea* Fr., *Verrucaria conoidea* var. *triseptata* Nyl., *Verrucaria epipolaea* Borrer, *Verrucaria epipolaea* var. *epipolaea* Ach., *Verrucaria epipolaea* var. *orbicularis* Garov., *Verrucaria epipolaea* var. *rugulosa* Schaer.]

Rarity Ranking: G4, S unranked, L1

Thallus continuous to rimose, areolate, pale sand-colored brown. Perithecia hemispherical, black, immersed in the thallus.

Substrate: on calcerious, disintegrating sandstone and shale.

VENTURA CO.: San Nicolas Island, on shale (*S. Tucker 33725*



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ASU/SBBG), along Theodolite Trail (R. Reese Naesborg 2323b, 2323c SBBG), Celery Canyon (R. Reese Naesborg 2420 SBBG), 200 m S of Skyline Dr (R. Reese Naesborg 2294c SBBG).

Also known to occur in Laguna Beach in Orange County. Photo by Gary Perlmutter.

Arthonia beccariana (Bagl.) Stizenb. – a Comma Lichen - Arthoniaceae

[*Arthothelium pruinasces* Zahlbr.]

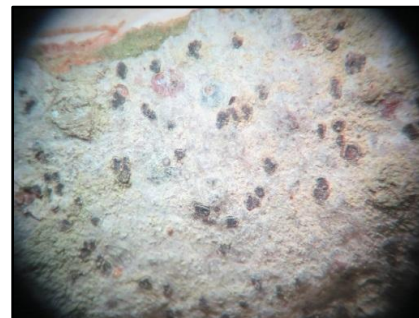
Rarity Ranking: G unranked, S unranked, L1

Thallus ± white, disrupting outermost bark layers.

Ascomata dispersed, ± round to slightly elongate, disk black. Substrate: smooth bark of trees in coastal areas.

VENTURA CO.: Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd., 34°6'31"N by 118°55'10"W at 355 m (K. Knudsen *et al.* 9621 UCR); San Nicolas Island, uphill from NAVFAC Road (S. Tucker 33725 ASU).

Also known from San Mateo, Contra Costa, Santa Cruz, San Luis Obispo, Santa Barbara, Los Angeles, and San Diego Counties. Photo by Kerry Knudsen.



Arthonia diploiciae Calat. & Diederichs – a Comma Lichen - Arthoniaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus not apparent, vegetative hyphae brownish.

Ascomata numerous and aggregated to form brown sessile spots, disc black. Substrate: thallus of *Diploicia canescens*.

VENTURA CO.: Anacapa Islands, on *Diploicia canescens* (Knudsen & Kocourkova 2010f, 2012a xxxx).

No records of this taxon in any other California county but it is reported from Cerro Kenton in Baja California. All other records are from Ireland, Portugal (Azores), and Spain.



Arthonia molendoi (Heufl. ex Frauenf.) R. Sant. – a Comma Lichen - Arthoniaceae

[*Bryostigma molendoi* (Heufl. ex Arnold) S.Y. Kondr. & Hur, *Conida clemens* f. *molendoi* (Heufl. ex Arnold) Arnold, *Tichothecium molendoi* Heufl. ex Arnold]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus lichenicolous on thalli and ascomata of *Caloplaca* and *Xanthoria* species. Ascomata single or in small fusing groups, black. Substrate: epiphytic on *Caloplaca* and *Xanthoria*.

VENTURA CO.: San Nicolas Island, on *Caloplaca luteominia* (Bratt 7864 SBBG).

Not otherwise reported from anywhere else in California.



Arthonia sanguinea Willey – Bloody Comma Lichen – Arthoniaceae

[*Arthothelium sanguineum* (Willey) Zahlbr.]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus effuse, inconspicuous, ± white, not lichen forming.

Ascomata disk black with dark red pruina. Substrate: lignified substrates, such as *Tamarix*, *Euphorbia*, in areas with coastal fog.

VENTURA CO.: Oxnard Plain, Oxnard along Callas Drive (G.B. Perlmutter 222 NCU); San Nicolas Island, in tree windrow by Post Exchange (S. Tucker 33739 SBBG). Photo by Gary Perlmutter.

Also known to occur in Los Angeles, Mendocino, Santa Barbara, and Santa Cruz Counties.



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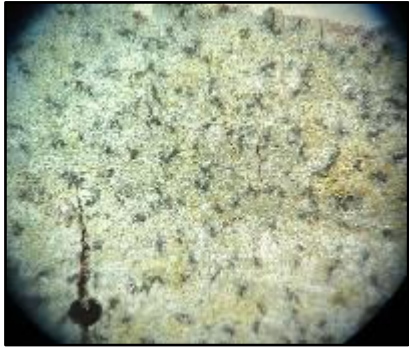
By David L. Magney

Arthonia tetramera Stizenb. Ex Hasse – Four-parted Comma Lichen - Arthoniaceae

[*Arthonia dispersa* var. *tetramera* Stizenb.]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus not lichenized, disrupting surface layers of bark making host bark paler. Ascomata narrowly lirellate, often branched, immersed to erumpent, disc black. Substrate: smooth bark of young *Quercus* twigs.



VENTURA CO.: Ojai Valley, at Bass campsite at Lake Casita (*G.B. Perlmutter* 4272 SBBG); Hidden Valley on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (*K. Knudsen et al.* 9635 UCR). California endemic also known from Santa Catalina Island (Type Locality) and Point Lobos State Reserve on *Pinus*.

Also known from Del Norte, Los Angeles, Monterey, Riverside, San Mateo, Santa Barbara, and Sonoma Counties. Photo by Chris Coshland.

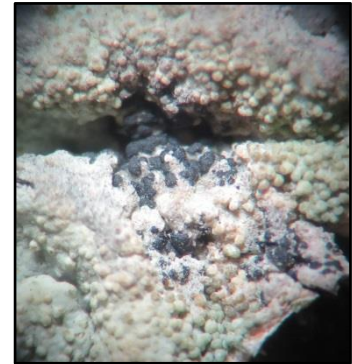
Arthonia xanthoparmeliarum Etayo – Shield Comma Lichen - Arthoniaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus epiphytic on *Xanthoparmelia*, white. Apothecia dark gray to black. Substrate: on *Xanthoparmelia* on rock (sandstone and granite).

VENTURA CO.: epiphytic on *Xanthoparmelia mexicana* on slope above SR23 near Lake Eleanor Dam, Conejo Open Space - 34°6'12"N, 118°51'7"W at 291 m (*J. Kocourkova & K. Knudsen* PRM 915480).

Also known from Los Angeles and Riverside Counties. Also known from Nevada and Chile Photo by Chris Coshland.



Aspicilia confusa Owe-Larss. & A. Nordin – Chaparral Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus areolate, aerioles rounded to verrucose, black to brown-black, rarely brown, beige, white-gray or blue-gray; protothallus black. Apothecia aspicilioide, disk black. Substrate: exposed to shaded siliceous rock in open chaparral and forests.

VENTURA CO.: Matilija Canyon W of Matilija Hot Springs (*W.A. Weber* S-1041 ASU); Nordhoff Ridge, Ilvento Preserve at 1,635 ft; Simi Valley, Rocky Pointe in Santa Susana (*C. Bratt* 11331 SBBG); Hidden Valley, on shaded boulder on Ash property at 1430 Hidden Valley Rd. – 34.141667°N by 118.918333°W at 362 m (*K. Knudsen et al.* 9627 UCR); Santa Monica Mountains, W of Deals Flat on Calderon property (*D. Magney* 112-24 UCSB). Also known from Alpine, Contra Costa, El Dorado, Fresno, Inyo, Los Angeles, Madera, Marin, Mariposa, Mono, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Cruz, Tulare, Tuolumne Counties.

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Photo by Anders Nordin



Photos by David Magney



Aspicilia cuprea Owe-Larss. & A. Nordin - Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus areolate with areoles angular to round, light to dark red-brown to brown, brown-gray to green-gray or gray in shaded habitat. Apothecia aspiciloide, numerous, disc black.

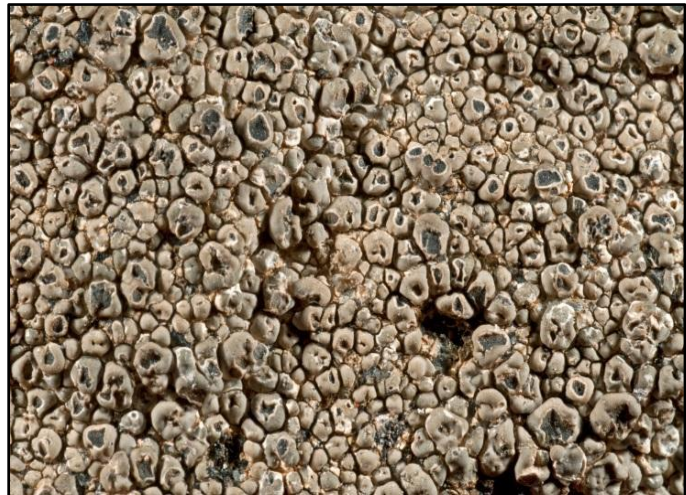
Substrate: siliceous rock.

VENTURA CO.: San Emigdio Mountains, Cowhead Potrero (C. Bratt 7836 SBBG); Upper Sespe Creek, SR33 N of Potrero John Creek (C. Bratt 5037, 5042 SBBG); Hidden Valley, Ash property at 1430 Hidden Valley Road on Conejo Volcanics (K. Knudsen *et al.* 9652 SBBG); Santa Monica Mountains, Sandstone Peak at 940 m (B. Owe-larsson 9097, 9103, 9113, 9123 ASU).

Also known from Amador, Calaveras, Colusa, El Dorado, Inyo, Kern, Los Angeles, Madera, Mariposa, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Stanislaus, and Tulare Counties.



Left: Anders Nordin



Right: Stephen Sharnoff

Aspicilia farinosa Owe-Larss. & A. Nordin – Mealy Sunken Disk Lichen - Megasporaceae

[*Aspicilia farinosa* (Flörke) Flagey, *Lobothallia farinosa* (Flörke) A. Nordin, Savić & Tibell]



Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus foliose becoming crustose areolate.

Apothecia black. Substrate: rock.

VENTURA CO.: Dry Lakes Ridge, Wheeler Springs (Unknown 2, 3 SBBG).



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Not reported to occur in any other California county.

Aspicilia glaucospina (Nylander in Hasse) Hue – Gray Sunken Disk Lichen – Megasporaceae

[*Lecanora glaucospina* Nyl.]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, rimose to areolate or squamulose, olive-brown or brown to gray-green.

Apothecia aspicilioid, disc black. Substrate: soil, mosses, *Selaginella bigelovii*, disintegrating granite or crumbling rock, in chaparral.

VENTURA CO.: Santa Monica Mountains, below Sandstone Peak on *Selaginella* and *Cladonia* (Knudsen & Owe-Larsson 1963 SBBG), Deals Flat on Beltrami property on Conejo Volcanics soil (K. Knudsen & D. Magney 5586, 5595.1, 5595.2 SBBG), along Mishe Mokwa Trail (K. Knudsen 5671 SBBG).

LOS ANGELES CO.: Santa Monica Mountains (H.E. Hasse 192 ASU/MIN/SBBG), Topanga State Park on sandstone outcrop at 384 m (K. Knudsen 3756 SBBG), Zuma Ridge at 661 m (K. Knudsen 800 SBBG), Hepatic Gulch on N slope off Schueren Road at 676 m (K. Knudsen 11839 SBBG). RIVERSIDE CO.: San Jacinto Mountains on Rouse Ridge at 769 m (K. Knudsen 5711 PH), W side of San Jacinto Mountains at 852 m (K. Knudsen 906 ASU); Meniffee Hills near Wildomar at 545 m (K. Knudsen 243, 390, 393 ASU); San Mateo Wilderness Area in Santa Ana Mountains in Tenaja Canyon at 561 m (B. Owe-Larsson 9096 ASU); Lakeside in Silverwood Wildlife Sanctuary at 531 m (Unknown 229b ASU); Eden Hot Springs (H.E. Hasse sn May-1911 FH). SAN BERNARDINO CO.: San Bernardino Mountains, in Pebble Plain N or Baldwin Lake (C. Bratt 7351 SBBG), San Bernardino National Forest on granite outcrop at 2090 m (K. Knudsen 16499.1 SBBG).



Aspicilia olivaceobrunnea Owe-Larss. & A. Nordin – Olive-brown Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, areolate, sometimes rimose at the edge with aerioles angular, brown with ± olive tinge. Apothecia aspicilioid, numerous per areole, disc black. Substrate: siliceous or volcanic rock, rarely on calciferous rock.

VENTURA CO.: Hidden Valley, Lake Sherwood district (W.J. Eyerdam 2095 ASU).

Also known from Riverside and San Bernardino Counties.



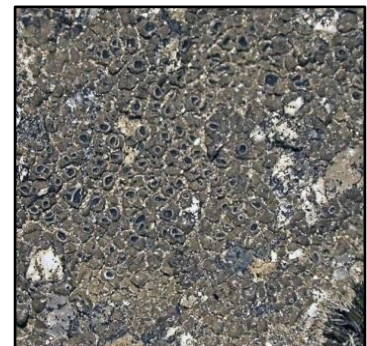
Aspicilia phaea Owe-Larss. & A. Nordin – Dusky Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus areolate, areoles angular, brown to gray-brown.

Apothecia aspicilioid, disc black. Substrate: exposed to partially shaded siliceous rock, rarely on serpentine.

VENTURA CO.: Pine Mountain Ridge, along SR33 (E.A. Schmidt 858 ASU); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10393, 10394, 10396 ASU); Hidden Valley, Ash



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property on Conejo Volcanics (*K. Knudsen et al.* 9679 SBBG); Santa Monica Mountains, n slope Sandstone Peak (*B. Owe-Larsson* 9100-a ASU), along Mishe Mokwa Trail at 810 m (*K. Knudsen* 8502 SBBG), Deals Flat on Calderon property (*D. Magney* 126-24 UCSB). Also known to occur in Alpine, El Dorado, Kern, Lake, Los Angeles, Marin, Merced, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Solano, Sonoma, and Tuolumne Counties. Photo by Anders Nordin.

Aspicilia santamonicae Owe-Larss. & A. Nordin – Santa Monica Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked (S1?), L1
Thallus areolate, areoles angular to irregular, continuous often with small cracks, medium to dark brown. Apothecia aspicilioid, disc black. Substrate: exposed to shaded siliceous rock.

VENTURA CO.: Santa Monica Mountains, n slope Sandstone Peak (*B. Owe-Larsson* 9099 ASU).

SAN LUIS OBISPO CO.: Santa Lucia Mountains, on sandstone 2.5 miles W of Hi Mountain lookout turnoff (*M. Mulroy* 360.1 OBI).

BAJA CALIFORNIA, MEXICO: Baja California Sur, below Sierra Aqua Verde at 1300 m (*C.M. Wetmore* 79323 ASU). Photo by Anders Nordin.



***Aspicilia* sp.1** – a Sunken Disk Lichen - Megasporaceae

Rarity Ranking: G unranked, S unranked, L1?
Thallus crustose, gray, distinct prothallus black with fertile apothecia. Substrate: Conejo Volcanics.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney* 5589 SBBG).



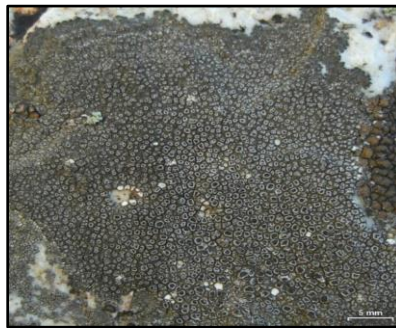
Aspicilia tenuis (H. Magn.) Owe-Harss. & A. Nordin – Sunken Disk Lichen - Megasporaceae [*Lecanora tenuis* H. Magn.]

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus areolate, sometimes rimose at edge, areoles angular, brown to gray-brown or olive-brown. Apothecia aspicilioides, common, round to angular, disc black. Substrate: ± exposed siliceous rock.

VENTURA CO.: Hidden Valley, Ash property on Conejo Volcanics (*K. Knudsen et al.* 9640 SBBG). Also known to occur in Los Angeles, Mono, Monterey, Riverside, Santa Barbara Counties.



Left: photo by Anders Nordin



Right: photo by H.B. Hollander

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Athallia holocarpa (Hoffm.) Arup, Frödén & Söchting – Orange Firedot Lichen – Teloschistaceae

[*Caloplaca holocarpa* (Bagl.) Stizenb., *Biatora luteoalba* var. *holocarpa* (Hoffm.) Steud. & Hochst., *Blastenia luteoalba* var. *holocarpa* (Hoffm.) Müll. Arg., *Callopisma aurantiacum* var. *holocarpum* (Hoffm.) A. Massal., *Callopisma holocarpum* (Hoffm.) Müll. Arg., *Callopisma luteoalbum* var. *holocarpum* (Hoffm.) Mudd, *Callopisma pyraceum* f. *holocarpum* (Hoffm.) Arnold, *Caloplaca alcarum* Poelt, *Caloplaca balatonica* Szatala, *Caloplaca cerina* var. *holocarpa* (Hoffm.) H. Olivier, *Caloplaca holocarpa* var. *holocarpa* (Hoffm.) A.E. Wade, *Caloplaca holocarpa* var. *vitellinaria* (Szatala) Clauzade & Cl. Roux, *Caloplaca pyracea* f. *holocarpa* (Ehrh.) Oxner, *Caloplaca pyracea* var. *holocarpa* (Ehrh.) Th. Fr., *Caloplaca vitellinaria* Szatala, *Gasparrinia alcarum* (Poelt) Oxner nom. inval., *Lecanora cerina* f. *holocarpa* (Hoffm.) Nyl., *Lecanora cerina* var. *holocarpa* (Hoffm.) Nyl., *Lecanora holocarpa* (Hoffm.) Nyl., *Lecanora pyracea* f. *holocarpa* (Hoffm.) Harm., *Lecanora vitellina* var. *holocarpa* (Hoffm.) Link, *Lecidea aurantiaca* var. *holocarpa* (Hoffm.) Hepp, *Lecidea holocarpa* (Ehrh.) Röhl., *Lecidea luteoalba* var. *holocarpa* (Hoffm.) Ach., *Lichen holocarpus* Ehrh., *Parmelia luteoalba* var. *holocarpa* (Hoffm.) Bosch, *Parmelia vitellina* f. *holocarpa* (Hoffm.) Fr., *Parmelia vitellina* var. *holocarpa* (Hoffm.) Ach., *Patellaria holocarpa* (Ehrh.) Wallr., *Placodium aurantiacum* var. *holocarpum* (Hoffm.) Anzi, *Placodium cerinum* var. *holocarpa* (Hoffm.) Vain., *Placodium pyraceum* var. *holocarpum* (Hoffm.) Anzi, *Verrucaria holocarpa* Hoffm., *Zeora vitellina* var. *holocarpa* (Hoffm.) Flot.]

Rarity Ranking: G5, S unranked (S4?), L2

Thallus crustose, placodioid-crustos, placodioid-foliose, yellowish red, yellow, orange yellow. Ascoma superficial, sessile, disc red yellow. Substrate: wood (dead or living), siliceous rock, stones, pebbles.

VENTURA CO.: Ojai Valley, Lake Casitas on *Baccharis pilularis* ssp. *consanguinea* (S.C. Tucker 32268 LSU); Conejo Mountains, along Potrero Road near Lewis Road on *Coreopsis gigantea* (R. Riefner Jr. 89-28 WIS); Hidden

Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd., 34°6'31"N, 118°55'10"W, 355 m (K. Knudsen et al. 9632 UCR); San Nicolas Island, NE coastal flats just E of W Mesa Canyon on *Lycium californicum* (S. Junak SN-413 OS), NW of Twin Towers (C. Bratt 11987 SBBG), behind pine grove near Navy Post Exchange (S. Tucker 33749 SBBG), North Spur Canyon (C. Bratt L1733 SBBG), Celery Canyon (R. Naesborg 2339b SBBG).

Also know to occur in Alameda, Calaveras, Contra Costa, Humboldt, Los Angeles, Marin, Mendocino, Monterey, Napa, Orange, Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Solano, Sonoma, Stanislaus, and Tulare Counties. Photo by Troy McMullin



Bacidia coruscans S. Ekman – Sparkling Dot Lichen – Ramalinaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, discrete or contiguous warted to subsquamulose or granular aeries, pale gray, green-gray, brown-gray, or gray-green. Apothecia flat to convex, disc black. Substrate: bark of various shrubs and trees, sometimes wood, rarely sandstone rock.

VENTURA CO.: San Nicolas Island (T.H. Nash 38667 ASU). Also known from Los Angeles, Monterey, San Luis Obispo, and Santa Barbara Counties. Photo by Ken Kellman.



Bibbys ruginosa* subsp. *pacifica (Timdal) Timdal – Pacific Blister Lichen – Ramalinaceae

[*Toninia ruginosa* subsp. *pacifica* Timdal]

Rarity Ranking: G3T3, S unranked (S2?), L1

Thallus crustose, squamules to 5 mm diam., dispersed to adjacent, bullate, medium brown to reddish brown. Substrate: cyanolichens on soil and rock.



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VENTURA CO.: San Nicolas Island, upper L Canyon (C. Bratt 7945 SBBG), base of L Canyon (C. Bratt 7946 SBBG), end of Theodolite Road above Elephant Seal Beach (S. Tucker 33803 SBBG), slope above Jackson Highway at 129 m (K. Knudsen 16787 UCR). Also known from Los Angeles, Orange, Riverside, San Benito, Santa Barbara Counties.

Bibbya ruginosa* subsp. *ruginosa (Tuck.) Timdal, Bendiksby & S. Ekman – Wrinkled Blister Lichen – Ramalinaceae

[*Toninia ruginosa* f. *ruginosa* (Tuck.) Herre, *Toninia ruginosa* subsp. *ruginosa* (Tuck.) Herre, *Toninia ruginosa* var. *ruginosa* (Tuck.) Herre]

Rarity Ranking: G4/T4, S unranked (S4?), L2

Thallus crustose, squamules to 3 mm diam. Substrate: cyanolichens on soil and rock.

VENTURA CO.: Pine Mountain Ridge, Thorn Meadows at 5,100 ft (C. Bratt 6227 SBBG);



Upper Sespe Creek, Sespe Creek at Portrero John Creek (C. Bratt 7046 ASU); Sespe Gorge (C. Bratt 7041 ASU, C. Bratt 6040 SBBG); Matilija Canyon (H. Hasse 2149 F/MIN/US); Nordhoff Ridge, Wheeler Gorge Campground (C. Bratt 7038 ASU/O).

Also known from Alameda, Butte, Colusa, Contra Costa, El Dorado, Fresno, Humboldt, Kern, Lake, Los Angeles, Marin, Modoc, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Siskiyou, Solano, Somoma, Tulare,

Tuolumne Counties. Photo by Garry Neil.

***Buellia badia* (Fr.) A. Massal. - Parasitic Button Lichen - Caliciaceae**

[*Amandinea turgescens* (Tuck.) Marbach, *Buellia badia* f. *bayrhorfferi* (Schaer.) Arnold, *Buellia badia* var. *bayrhorfferi* (Schaer.) Arnold, *Buellia badia* var. *parasitica* Körb., *Buellia badiella* (Nyl.) Arnold, *Buellia bayrhorfferi* (Schaer.) H. Olivier, *Buellia conioptiza* (Nyl.) B. de Lesd., *Buellia duebenii* (Fr.) Hellb., *Buellia glomelliferae* (Harm.) H. Olivier, *Buellia pernigrans* (Nyl.) Sandst., *Buellia schisticola* H. Magn., Bot. Notiser: 199 (1954), *Buellia turgescens* Tuck., *Catolechia badia* (Fr.) Stein, *Catolechia duebenii* (Fr.) Stein, *Cormothecium duebenii* (Fr.) A. Massal., *Diploicia badia* (Fr.) Szatala, *Karschia bayrhorfferi* (Schaer.) Rehm, *Lecidea badia* Fr., *Lecidea badia* var. *badia* Fr., *Lecidea badia* var. *bayrhorfferi* (Schaer.) Mussat nom inval., *Lecidea bayrhorfferi* Schaer., *Lecidea duebenii* Fr., *Lecidea melanospora* Nyl., *Lecidea turgescens* Nyl., *Monerolechia badia* (Fr.) Kalb, *Monerolechia bayrhorfferi* (Schaer.) Trevis., *Psora badia* (Fr.) Boistel, *Rhizocarpon badium* (Fr.) Sambo]

Rarity Ranking: G unranked, S unranked (S5?), L3

Thallus crustose, bullate to subsquamulose becoming squamulose, deep brown to rarely grayish brown. Apothecia lecideine, black. Substrate: epilithic, usually parasitice on several crustose and foliose lichen genera.

VENTURA CO.: Santa Paula Ridge, at Toland Road Landfill (C.C. Bratt 10397 SBBG); Simi Valley, Santa Susanna at Rocky Pointe at 335 m (C.C. Bratt 11349A, 11349B, 11350 SBBG); Conejo Mountains, base of Conejo Mountain (K. Knudsen 4059.2 SBBG), Long Grade Valley at 99 m (K. Knudsen 4022 SBBG); Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen et al. 9636 SBBG); Santa Monica Mountains, hilltop E of Little Sycamore Canyon Road at 668 m (K. Knudsen 6251 SBBG), W side Deals Flat on Calderon property, Deals Flat on Beltrami property (Knudsen & Magney 5597 SBBG), top of Sandstone Peak (K. Knudsen 8497 SBBG); West Anacapa Island at 250 m (T.H. Nash III 37098 ASU); San Nicolas Island N of Conservation Center and beach (S.C. Tucker 33672 ASU).



Also known to occur in Amador, Calaveras, Contra Costa, El Dorado, Fresno, Kern, Lake, Los Angeles, Madera, Marin, Mendocino, Monterey, Napa, Nevada, Orange, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa

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Barbara, Santa Clara, Santa Cruz, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, and Tulare Counties.

***Buellia sequax* (Nyl.) Zahlbr. – Black and White Button Lichen – Caliciaceae**

[*Buellia excelsa* (Leight.) A.L. Sm., *Buellia lepidastroidea* Imshaug ex Bungartz, *Buellia punctata* var. *excelsa* (Leight.) Sheard, *Lecidea excelsa* Leight., *Lecidea sequax* Nyl.]

Rarity Ranking: G unranked, S unranked (S3?), L3

Thallus crustose, areolate to subsquamulose, ivory to beige.

Apothecia lecideine, black. Substrate: epilithic on siliceous rock.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (*J. Hamber* 7

ASU); Santa Paula Ridge, at Toland Road Landfill (*C.C. Bratt*

10392 ASU); Santa Monica Mountains, Point Mugu State Park

along PCH (*K. Knudsen* 11850 SBBG), Deals Flat on Beltrami

property (*Knudsen & Magney* 5670 SBBG), Sandstone Peak at 579

m (*K. Knudsen* 2491 SBBG), Little Sycamore Canyon along Yerba Buena Road at 308 m (*K.*

Knudsen 3707 SBBG); Anacapa Islands, West Anacapa Island; San Nicolas Island (*R.*

Foreman L-44283ASU).

Also known from Contra Costa, Inyo, Los Angeles, Merced, Mono, Monterey, Orange,

Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa

Barbara, and Tulare Counties. Photo by Frank Bungartz



***Buellia subalbula* (Nyl.) Müll. Arg. – Maritime Button Lichen – Caliciaceae**

[*Buellia maritima* (Massal.) Bagl., *Lecidea subalbula* Nyl.]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose (rimeose-areolate) often forming distinct circular patches with a prothallus, thallus white to gray, protothallus darker. Apothecia lecideine, disc black. Substrate: rock.

VENTURA CO.: San Nicolas Island, NAVFAC Rd (*S. Tucker*

33692A SBBG), E end (*T. Nash* 38901-c ASU), next to Twin

Towers (*W.A. Weber* L-88975 ASU), upper portion of L Canyon (*C. Bratt* 7937 SBBG).

Also known to occur in Los Angeles, San Francisco, and Santa Barbara Counties.



***Buellia triseptata* Nordin – a Button Lichen - Caliciaceae**

Rarity Ranking: G4, S unranked (S3?), L1

Thallus crustose, rimose-aereolate; protothallus not seen; white to greenish gray. Apothecia lecideine, black. Substrate: on bark and wood of broad-leaved and coniferous trees, mainly branches and twigs.

VENTURA CO.: Topatopa Mountains, on *Adenostoma*

fasciculatum in headwaters of Wilsie Creek of Sesar

Canyon at 4200 ft (*C. Bratt* 1047 SBBG).

SANTA BARBARA CO.: Figueroa Mountain. LOS ANGELES CO.: San Gabriel

Mountains. SAN BERNARDINO CO.: San Bernardino Mountains. RIVERSIDE CO.: San

Bernardino Mountains; San Jacinto Mountains; Santa Ana Mountains, Santa Rosa Plateau.

SAN LUIS OBISPO CO.: Upper Salinas River Valley, on wood fence along San Diego Road

in Atascadero. MONTEREY CO.: Cholame Valley, California Flats on *Ailanthus altissima*.

SAN BENITO CO.: Bear Gulch Trail along Chalone Creek in Pinnacles NM. Photo by Stephen Sharnoff.



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Buellia venusta* = *Diplotomma venustum

Buelliella inops (Triebe & Rambold) Hafellner – Needy Parasitic Button Lichen -
Dothideomycetes

Rarity Ranking: G unranked, S unranked (S1?), L1

Mycelium immersed and invisible. Pseudothecia black. Substrate: *Caloplaca*.

VENTURA CO.: Santa Monica Mountains, Point Mugu State Park at 6 m on *Caloplaca bolacina* on rocks (K. Knudsen 4062 UCR).

Also known to occur in Madera and Santa Barbara Counties.

***Caloplaca* sp.1** – a Firedot Lichen - Teloschistaceae

Rarity Ranking: unrankable until identified

Thallus crustose, orange. Substrate: Conejo Volcanics.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5621 SBBG).

Caloplaca atroflava* = *Kuettlingeria atroflava

Caloplaca brattiae* = *Polycauliona brattiae

Caloplaca cerina (Lhrh. ex. Hedwig) Th. Fr. – Gray-rimmed Firedot Lichen – Teloschistaceae

Rarity Ranking: G unranked, S unranked (S4?), L1

Thallus crustose, continuous or areolate, gray or blue-gray. Apothecia lecorine, orange. Substrate: on bark.

VENTURA CO.: Upper Ojai Valley, along SR150 on *Juglans* (H.D. Thiers 33671

SFSU); Santa Monica Mountains, N side below summit (W.A. Weber sn 12-Apr-1966

COLO); Anacapa Islands, West Anacapa

Island on terrace of W end (K. Knudsen 10771, 10900.2 UCR); San Nicolas Island, L Canyon (C. Bratt 7905 SBBG).

Also known to occur in Contra Costa, Lake, Los Angeles, Marin, Mendocino, Napa, Nevada, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Trinity, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.



Caloplaca demissa (Körber) Arup & Grube – Small Firedot Lichen – Teloschistaceae

[*Imbricaria demissa* Flot., *Lecanora demissa* (Flotow) Zahlbr., *Lecanora incusa* (Fr.) Vain., *Lecanora subolivascens* Nyl., *Pannaria demissa* (Flot. ex Körb.) Rabenh., *Parmelia demissa* (Flot. ex Körb.) Zwackh, *Parmularia demissa* (Flot. ex Körb.) Croz., *Phycia demissa* (Flot. ex Körb.) Zwackh, *Placodium demissum* (Flot. ex Körb.) Körb., *Placolecanora demissa* (Flot. ex Körb.) Kopach., *Squamaria demissa* (Flot. ex Körb.) Verseghe]

Rarity Ranking: G unranked, S unranked (S4?), L1

Thallus crustose, lobes elongate, brown. Apothecia absent. Substrate: non-calcerous rock.

VENTURA CO.: Conejo Mountains, Conejo

Mountain at 63 m (K. Knudsen 5151.1 NY/SBBG);

Santa Monica Mountains, Party Rock above Carlisle

Canyon on Conejo Volcanics at 697 m (J. Lendemer & K. Knudsen 11502 NY), above Lake Eleanor along

SR23 on sandstone boulder at 971 m (K. Knudsen

11239 FH/SBBG, 10715 SBBG). Photo by Stephen



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Sharnoff.

Also known from Amador, Butte, Calaveras, Contra Costa, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Mono, Riverside, San Benito, Santa Barbara, Shasta, Siskiyou, Solano, Sonoma, Sutter, and Tulare Counties.

Caloplaca durietzii H. Magn. – Durietz’s Firedot Lichen – Teloschistaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, areolate without elongated lobes, no prothallus, yellowish orange, smooth. Apothecia lecanorine, orange. Substrate: wood or bark.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon campground on *Juniperus californica* at 3400 ft/1036 m (C. Bratt 3291A SBBG).

Also known from Los Angeles, Riverside, San Bernardino, San Diego, and Santa Barbara Counties. Photo by Hollinger.



Caloplaca eugyra (Tuckerman) Zahlbrucker – Limestone-loving Firedot Lichen – Teloschistaceae

[*Lecanora eugyra* (Tuck.) Nyl., *Placodium eugyrum* Tuck.]

Rarity Ranking: G4, S unranked (S1?), L1

Thallus crustose, areolate to elongate lobed, orange.

Apothecia lecanorine, dark reddish orange.

Substrate: calcareous rocks.

VENTURA CO.: North Fork Matilija Canyon (H.E. Hasse sn 1903 FH); Anacapa Islands, East Anacapa Island.

Also known from San Bernardino County.

Photo by Frank Bungartz.



Caloplaca stanfordensis H. Magn. – Stanford Firedot Lichen - Teloschistaceae

Rarity Ranking: G unranked, S unranked (S4?), L3

Thallus crustose, areolate, gray. Apothecia lecanorine, orange. Substrate: wood or bark.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon at campground on *Juniperus californica* (C. Bratt 3023, 3291B SBBG); Sulphur Mountain, Weldon Canyon on *Sambucus mexicana* at 152 m (C. Bratt 5362 SBBG); Ventura Hills, Lake Canyon at 30 m (W.A. Weber S 1005 COLO); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N by 118°55'6"W at 362 m (K. Knudsen et al. 9661 UCR); Santa Monica Mountains, Little Sycamore Canyon along Yerba Buena Road on *Juglans californica* at 262 m (K. Knudsen & T. Kendall 18243 NY/SBBG); Anacapa Islands, West Anacapa Island on west end plateau (T.H. Nash 37044 ASU), East Anacapa Island at west end (K. Knudsen 5307 PH/UCR); San Nicolas Island, west end (T.H. Nash 38709 ASU), E of commissary (T.H. Nash 38813 ASU), near NAVFAC (T.H. Nash 38870 ASU), along Wilong Road (T.H. Nash 38886 ASU).

Also known from Contra Costa, Fresno, Glenn, Humboldt, Kern, Los Angeles, Marin, Monterey, Orange, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sonoma, and Yolo Counties. Photo by Gary Perlmutter



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Caloplaca subpyracella (Nyl.) Zahlbr. – South Coast Jewel Lichen – Teloschistaceae

[*Pyrenodesmia subpyracella*]

Rarity Ranking: G2, S1.2, L1

Thallus crustose, orange-red. Apothecia orange.

Substrate: pebbles, soil.

VENTURA CO.: Conejo Mountains, on soil, pebbles, and *Selaginella* (Riefner 92-110 WIS), Long Grade Canyon along Potrero Road at 106 m on Conejo Volcanics (R. Riefner Jr. 03-208 SBBG); Santa Monica Mountains, Point Mugu on rocks from near the spray zone to sandy soil in coastal sage scrub (Riefner 92-133).

Also known to occur in Butte, Marin, Orange, San Diego, San Joaquine, San Luis Obispo, and Santa Barbara Counties.

Another species not well-documented in the literature and poorly known with respect to distribution and ecology. It has been considered an inland species of the southern California foothills (Fink 1935, Tucker and Jordan 1978). Although our collections do not extend the known range of the species, they do broaden its ecological tolerance to include the maritime belt of California. *Caloplaca subpyracella* was not included among the littoral species of the genus occurring in North America by Arup (1995b). It is distinguished by 20 x 7 µm spores that have a very narrow septum (J.W. Thomson, pers. comm.). Photo by Chris Coshland.



Candelaria concolor (Dicks.) B. Stein – Elfin Candleflame Lichen – Candelariaceae

[*Blasteniospora concolor* (Dicks.) Trevis., *Caloplaca concolor* (Dicks.) Jatta, *Caloplaca concolor* var. *concolor* (Dicks.) Jatta, *Caloplaca concolor* var. *vainioana* Räsänen, *Candelaria concolor* f. *concolor* (Dicks.) Arnold, *Candelaria concolor* var. *concolor* (Dicks.) Arnold, *Candelaria concolor* var. *effusa* (Tuck.) G. Merr. & Burnham, *Candelaria vulgaris* A. Massal., *Candelaria vulgaris* f. *vulgaris* A. Massal., *Lecanora concolor* (Dicks.) Lamy, *Lecanora concolor* f. *concolor* Ramond, *Lecanora concolor* f. *elata* (Arnold) Mig., *Lecanora concolor* var. *concolor* Ramond, *Lecanora concolor* var. *reagens* Werner, *Lichen concolor* Dicks., *Lobaria concolor* (Dicks.) Hoffm., *Physcia concolor* (Dicks.) Bagl. & Carestia, *Teloschistes concolor* (Dicks.) Tuck., *Teloschistes concolor* var. *concolor* (Dicks.) Tuck., *Xanthoria concolor* (Dicks.) Th. Fr.]

Rarity Ranking: G5, S unranked (S5?), L3



Thallus small foliose, lemon yellow to mustard yellow. Apothecia laminal, darker yellow than thallus. Substrate: on rock or bark.

VENTURA CO.: Cuyama Badlands, Apache Canyon at 4100 ft (C. Coon sn 6-Nov-2001 OSU); Pine Mountain Ridge, along SR33 in chaparral (M.E. Hale 56779 US); North Fork Matilija Creek, Wheeler Springs (M. Cole 1271 US); Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1061 SBBG); Ojai Valley, near SR150 near Lake Casitas (M. Cole 1557 US); Upper Ojai Valley,

Dennison Park (C. Bratt 1151 SBBG), on walnut bark (H.D. Thiers 33674 SFSU); Hidden Valley, 0.8 km SW of Lake Sherwood on fallen *Quercus lobata* branches (I. Tavares 544c ASU).

Also known from Amador, Butte, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Lake, Lassen, Los Angeles, Madera, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tuolumne, Yolo, and Yuba Counties.

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Candelaria pacifica M. Westberg ined. – Pacific Candleflame Lichen - Candelariaceae

Rarity Ranking: G unranked, S unranked (S5?), L3

Thallus small foliose, lemon yellow to orange yellow.

Apothecia laminal, darker yellow than thallus.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon below campground (C. Bratt 12554 NY; C. Bratt 3277, 3290

SBBG); San Emigdio Mountains, Apache Potereo along Cerro Noreste Road (C. Bratt sn nd ASU, M. Westberg sn 28-Jun-1998 LD); Chuchupate Valley, Mill Valley Road (C. Bratt 11661 SBBG); Topatopa Mountains, Sisar Canyon on

Adenostoma fasciculatum (C. Bratt 1061 SBBG); Ojai Valley, SW of Lake Casitas (C. Bratt 11177 SBBG), Lake Casitas picnic area (G. Perlmutter 4232 NCU), Meiners Oaks along N Lomita Ave (G. Perlmutter 3

NCU); Upper Ojai Valley, Dennison Park (I. Tavares 550d ASU; C. Bratt 1150, 1152, 1173, 1184 SBBG); Sulphur Mountain, Weldon Canyon (C. Bratt 5373 SBBG); Hidden Valley, 0.8 km SW of Lake Sherwood on fallen *Quercus lobata* branches (I. Tavares 544c ASU), 1430 Hidden Valley Road on Ash property (K. Knudsen 9670 UCR); Santa Monica Mountains, Deals Flat on Beltrami property, Sandstone Peak near summit (I. Brodo et al. 31785 CANL), Rocky Oaks at 531 m (J. Kocourkova sn 14-Aug-2009 UCR).

Also known from Alameda, Butte, Contra Costa, Humboldt, Inyo, Kern, Kings, Lake, Lassen, Los Angeles, Madera, Marin, Mendocino, Mono, Monterey, Napa, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Siskiyou, Solano, Tehama, Tulare, Tuolumne, and Yolo Counties. Photo by Gary Perlmutter.



Candelariella antennaria Räsänen – Goldspeck Lichen - Candelariaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus indistinct crust, sometimes granular, pale to dark gray to brownish gray to green-gray. Apothecia

lecanorine, yellow. Substrate: bark of broad-leaved trees.

VENTURA CO.: Cuyama Badlands, along SR33 (M. Westberg 1021 ASU), Ballinger Canyon at campground (C. Bratt 3022 SBBG); San Nicolas Island, on mesa above Celery Canyon (R. Reese Naesborg 2482a SBBG).

Also known from San Luis Obispo County. Photo by Martin Westberg.



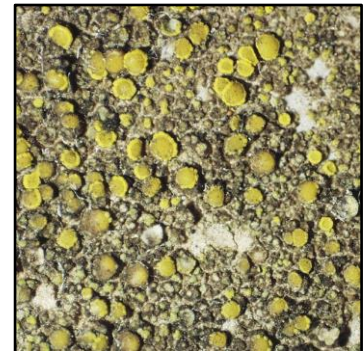
Candelariella aurella (Hoffm.) Zahlbr. – Hidden Goldspeck Lichen – Candelariaceae

[*Candelaria vitellina* var. *aurella* (Hoffm.) Hazsl., *Candelariella epixantha* (Ach.) Sandst., *Placodium vitellinum* var. *aurellum* Ach.]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus crustose of small scattered areoles, yellow, sometimes bleached. Apothecia lecanorine, abundant, darker yellow than thallus. Substrate: calcium-rich rocks, bark, wood.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge along Derrydale Creek (C. Bratt 5031 SBBG); Santa Monica Mountains (S.C. Tucker & J. Pelton 1950 LSU), along Yerba Buena Road NW of Circle X Ranch at 550 m (K. Knudsen 12044 UCR), Sandstone Peak (K. Knudsen 2493 UCR); San Nicolas Island, E end above barge landing (T.H. Nash II 38924



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ASU), SE of Seal Beach at 15 m (*R. Foreman L-44269* ASU).

Also known to occur in Alameda, Alpine, Butte, Imperial, Inyo, Kern, Lassen, Los Angeles, Marin, Modoc, Mono, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Sierra, Tulare, Tuolumne, and Yolo Counties. Photo by Martin Westberg.

Candelariella citrina B. de Lesd. – Eggyolk Lichen – Candelariaceae

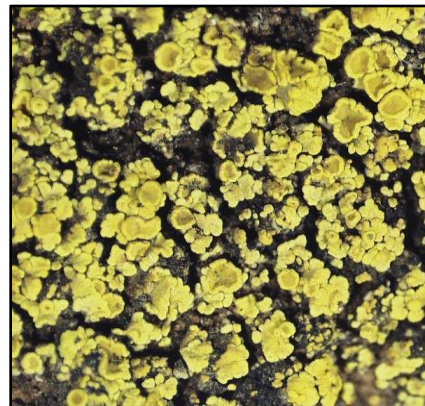
[*Candelariella terrigena* Räsänen]

Rarity Ranking: G unranked, S5, L2

Thallus of small convex aeroles developing into lobate squamules, green yellow to yellow to orange yellow in parts. Apothecia lecanorine, darker yellow than thallus. Substrate: soil in rock crevices, mosses, or on lichens, rarely bark.

VENTURA CO.: Simi Valley, Santa Susanna at Rocky Pointe Park (*C.C. Bratt 11358* SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney 5626* SBBG).

BUTTE CO.: Bare Hole in Bidwell Park; Sierra Nevada foothills along Cherokee-Oroville Road 6 miles N of Oroville. CONTRA COSTA CO.: trail at Briones Reservoir; Vasco Caves Preserve 5 miles NE of Livermore along Vasco Road; Mount Diablo, Mount Diablo State Park. IMPERIAL CO.: Jacumba Mountains along I-8. INYO CO.: Sierra Nevada, along Rock Creek Road at 3290 m, Kearsarge Pass. KERN CO.: Temblor Range, sandstone outcrop on Palo Prieto Conservation Bank; Tulare Basin, near Dustin Acres; Sierra Nevada, Breckenridge Mountain along road to O'Brien Springs. LOS ANGELES CO.: Santa Monica Mountains, Old Topanga Canyon (*C. Wetmore 16823* MIN). MODOC CO.: Warner Mountains, Modoc NF at Patterson CG; Modoc Plateau 10 miles W of Termo. MONO CO.: White Mountains, ~5 miles N of Schulman Grove along White Mountain Road. MONTEREY CO.: Santa Lucia Mountains, Wagon Cave in Los Padres NF. ORANGE CO.: Santa Ana Mountains, below Silverado. PLUMAS CO.: Plumas NF. RIVERSIDE CO.: Mojave Desert, side of Malapai Hill in Joshua Tree NM, Saddle Rock in Joshua Tree NM, Hexie Mountains at Stirrup Tank on Malapai Hill at 1040 m, Lost Horse Mountains, between Skull Rock and Jumbo Rocks, Queen Mountain, Upper Juniper Flats, lower Covington Flats, slope above Berdoo Canyon; Little San Bernardino Mountains, Malapai Hill at 1374 m, Indian Cove, Eureka Peak; Santa Ana Mountains, Elsinore Peak at 1011 m; Clarke's Hill near Riverside; San Jacinto Mountains, near Cahuilla Vista at 1200 m, Pinnacles at 1426 m, top of Black Mountain. SAN BENITO CO.: Pinnacles National Monument along Condor Trail. SAN BERNARDINO CO.: Coolgardie Yucca Mesa; San Bernardino Mountains, Pebble Plain N of Baldwin Lake; Mojave Desert, Joshua Tree NM on Eureka Peak. SAN DIEGO CO.: Colorado Desert, W of Anza-Borrego State Park, Ocotillo. SAN LUIS OBISPO CO.: Big Rocks in Los Padres NF; Santa Lucia Mountains, Jack Ranch Hearst parcel; Camp San Luis Obispo. SANTA BARBARA CO.: Figueroa Mountain; Santa Ynez Mountains, Lizard's Mounth trail off West Camino Ciello at 899 m, Toro Canyon Park (*S.C. Tucker 32253* SBBG); Sierra Madre Mountains, Indian Rocks on Goodchild Ranch in upper La Brea Canyon (*C. Bratt L-1643* SBBG); Santa Cruz Island. SHASTA CO.: SE end of Cascade Ranges along SR89 W of Cayton in Shasta-Trinity NF; Modoc Plateau W of Big Lake. SOLANO CO.: Inner North Coast Ranges, ravine of Putah Creek just below Berryessa Dam. TULARE CO.: Kern Plateau; Kings Canyon NP in Redwood Canyon along Hart Tree



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Trail. TUOLUMNE CO.: Sierra Nevada, Kennedy Meadows. YUBA CO.: Sutter Buttes.

Photo by Martin Westberg.

Candelariella lutella (Vain.) Räsänen – Yellow Lichen – Candelariaceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, scattered to crowded aeroles forming small patches, greenish yellow to yellow. Apothecia lecanorine, darker yellow than thallus. Substrate: bark of broad-leaved trees, shrubs, and conifers.

VENTURA CO.: San Emigdio Mountains, S of Apache Potrero (*M. Westberg sn 28-Jun-1998 LD*); Santa Monica Mountains, between Mulholland Highway and Yerba Buena Road (*K. Knudsen 18248 UCR*).

Also known from Monterey, Riverside, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Santa Cruz, and Sonoma Counties. Photo by Martin Westberg.



Candelariella rosulans (Mull. Arg.) Zahlbr. – Sagebrush Goldspeck Lichen - Candelariaceae

Rarity Ranking: G4, S unranked (S5?), L2

Thallus bullate to lobate to rosulate to squamulos, yellow to orange yellow. Apothecia lecanorine, darker yellow than thallus. Substrate: rocks, rarely on wood and base of trees.

VENTURA CO.: Chuchupate Valley, along Mill Valley Road (*C. Bratt 11644 SBBG*); Pine Mountain, SR33 at summit (*S. & S. Sharnoff 950.09 CANL*); Upper Sespe Creek, SR33 N of Derrydale Creek (*C. Bratt 4119 SBBG*); Topatopa Mountains, Sisar Canyon (*M. Cole 1233 SBBG*); Simi Valley, Santa Susana at Rocky Pointe Park (*C. Bratt 11317, 11320, 11321, 11357 SBBG*); Santa Monica



Mountains, above Carlisle Valley at 674 m (*K. Knudsen 4006 NY*); San Nicolas Island.

ALPINE CO.: 1.6 km E of Monitor Pass along SR89. EL DORADO CO.: Sierra Nevada, SW of Emerald Bay at 2075 m, Wright's Lake. FRESNO CO.: Sierra Nevada, ridge above McKinley Grove at 2256 m. IMPERIAL CO.: Jacumba Mountains. INYO CO.: Sierra Nevada, 15 km So fo Tom's Place; Owens Valley, N or Bishop; Death Valley NM 6 km NE of Scotty's Castle. KERN CO.: Sierra Nevada, Bob Rabbit Canyon in Sequoia NF, E base of Piute Mountains; Tehachapi Mountains, along SR58 at 910 m 32 km E of Bakersfield; Mojave Desert, 1 mi N of Johannesburg. LOS ANGELES CO.: Santa Monica Mountains; San Gabriel Mountains along SR2 at 1425 m. MADERA CO.: Sierra Nevada along SR41 S of Oakhurst. MARIPOSA CO.: Sierra Nevada, Yosemite NP at Tanaya Lake. MONO CO.: Banner Ridge, Devils Gate Pass. PLUMAS CO.: Sierra Nevada, 2 miles N of Graeagle at 1619 m. RIVERSIDE CO.: San Jacinto Mountains, Tenaja Falls, E of Pinyon Crest in Santa Rosa NM at 1039 m, Soboba Hot Springs. SAN BERNARDINO CO.: Mojave Desert, along Irwin Road 7 km N or SR58 N of Barstow at 910 m; Ord Mountains at 1380 m, Green Valley, 29 miles SW of Barstow; San Bernardino Mountains, Onyx Peak. SAN DIEGO CO.: Colorado Desert, Ocotillo. SANTA BARBARA CO.: Santa Rosa Island. SISKIYOU CO.: Klamath Mountains, Etna Summit; Weed. TULARE CO.: Sierra Nevada, Lower Peppermint CG in Sequoia NF at 1590 m. TUOLUMNE CO.: Sierra Nevada, Kennedy Meadows on edge of Emigrant Wildlerness, SW of Fraser Flat CG, E of Pigeon Flat, Sonora Pass. Photo by Martin Westberg.

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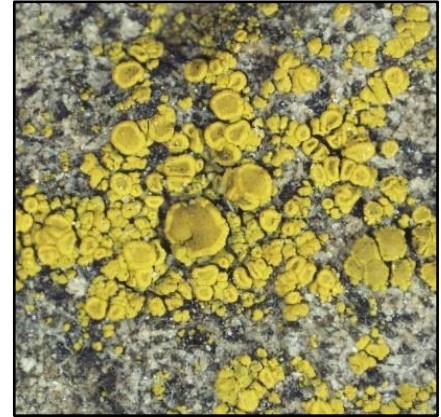
Candelariella vitellina (Hoffm.) Mull. Arg. – Common Goldspeck Lichen - Candelariaceae

Rarity Ranking: G5, S unranked (S5?), L3

Thallus areolate to subsquamulose, green yellow to orange yellow. Apothecia lecanorine, darker yellow than thallus. Substrate: calcium free rocks, wood and bark.

VENTURA CO.: Chuchupate Valley, Mill Valley Road (C. Bratt 11646 SBBG); Upper Ojai Valley, Dennison Park (C. Bratt 1200 SBBG); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10404 SBBG); Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen et al. 9636 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5598 SBBG), Sandstone Peak (K. Knudsen 2490, 8474 SBBG); Anacapa Islands, West Anacapa Island.

Also known from Butte, Colusa, Contra Costa, Del Norte, El Dorado, Inyo, Kern, Lassen, Los Angeles, Madera, Marin, Mariposa, Modoc, Mono, Monterey, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Tulare, Tuolumne, Yolo, and Yuba Counties. Photo by Martin Westberg.



Catapyrenium pilosellum Breuss – a Stipplescale Lichen – Verrucariaceae

[*Placidium pilosellum* (Breuss) Breuss]

Rarity Ranking: G unranked, S unranked (S2?), L1



Thallus crustose, squamulose, squamules 2-6 mm wide, roundish or lobed, yellowish brown, tan, or dark brown. Perithecia broadly pyriform to 0.5 mm wide. Substrate: soil, moss, debris.

VENTURA CO.: San Nicolas Island, south side below Twin Towers (C. Bratt 7879

ASU/SBBG), N of Conservation Center (S. Tucker 33676 SBBG), 3.1 km W of Daytona Beach (R. Reese Naesborg 2363 SBBG).

Also known from Kern, Riverside, San

Bernardino, San Diego, and Santa Barbara Counties. Photo by Stephen Sharnoff.

Catapyrenium squamulosum (Ach.) Breuss –Brown Stipplescale Lichen – Verrucariaceae

[*Placidium squamulosum* (Ach.) Breuss, *Catapyrenium squamulosum* var. *squamulosum* (Ach.) Breuss, *Dermatocarpella squamulosa* (Ach.) H. Harada, *Endocarpon pusillum* var. *squamulosum* (Ach.) Grognot, *Endocarpon squamulosum* Ach., *Placidium squamulosum* (Ach.) Breuss, *Placidium squamulosum* var. *squamulosum* (Ach.) Breuss]

Rarity Ranking: G5, S unranked (S3?), L2



Thallus crustose, squamulose, pale to dark brown. Perithecia broadly pyriform, hyaline or yellowish. Substrate: soil, moss, debris.

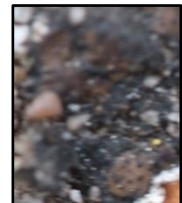
VENTURA CO.: San Guillermo Mountains, Mutau Flat Road 4 miles S of Lockwood Valley Road (C. Bratt 5082 DUKE); Matilija Canyon, 3.5 miles W of Matilija Hot Springs (W.A. Weber S 1037 COLO); Ojai Valley,

Rice Canyon on near vertical N-facing sandstone cliff face at 940 ft (D.

Magney 17A-24 UCSB); Camarillo Hills, Camarillo (R.O Schuster sn 25-Apr-1969 COLO);

Simi Valley, Santa Susana at Rocky Pointe Park (C. Bratt 11342 SBBG); Conejo Valley,

Thousand Oaks (H.D. Theirs 33653 ASU); Santa Monica Mountains, Backbone Trail at 1568



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ft (K. Knudsen 12053 FH); San Nicolas Island (C. Bratt 8242 ASU/SBBG), below Twin Towers (C. Bratt 7850 SBBG).

Also known from Butte, Contra Costa, Kern, Los Angeles, Monterey, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, and Santa Cruz Counties.

Cercidospora caudata Kernst. – Tailed Lichen - Dothideomycetes

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus globose, immersed in host thallus. Asci cylindrical.

Substrate: parasymbiotic on Teloschistaceae, mainly *Caloplaca*.

VENTURA CO.: Santa Monica Mountains, on *Caloplaca squamosa* and *C. subsoluta* on slope above SR23 near Lake Eleanor Dam, Conejo Open Space at 34°6'12"N by 118°51'8"W at 297 m (J. Kocourkova & K. Knudsen 7347 hb. Kocourkova).



INYO CO.: Sierra Nevada, Cottonwood Canyon at 5577 ft. MONO CO.: Sierra Nevada, Parker Pass at 11,785 ft. ORANGE CO.: Santa Ana Mountains, Fremont Canyon along Santiago Creek. RIVERSIDE CO.: San Jacinto Mountains, East Canyon; Little San Bernardino Mountains, E end of Wilson Canyon, Cottonwood Mountains. SAN

BERNARDINO CO.: Mojave Desert, Indian Cove in Joshua Tree NM, Granite Mountains at Cove Springs, Clark Mountains; San Jacinto Mountains, Strawberry Valley; San Bernardino Mountains, Pebble Plain, Cactus Flats. SANTA BARBARA CO.: Goleta Valley, Bridle Ridge at 187 m (K. Knudsen 459-2 SBBG). Photo by Chris Coshland.

Cercidospora macrospora (Uloth) Hafellner & Nav.-Ros. – Large-spored Tailed Lichen – Dothideomycetes

[*Cercidospora ulothii* Körb., *Didymella ulothii* (Körb.) Berl. & Voglino, *Didymella ulothii* var. *apiosporoides* Vouaux, *Didymella ulothii* var. *ulothii* (Körb.) Berl. & Voglino, *Phacopsis macrospora* Uloth]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus lacking. Pseudothecia immersed in host thallus.

Substrate: thallus of *Lecanora muralis* group, including *L. garovaglii*, *L. muralis*, and *L. novomexicana*.

VENTURA CO.: Santa Monica Mountains, on *Lecanora muralis* on slope above SR23 near Lake Eleanor Dam, Conejo Open Space, 34°8'12"N, 118°51'8"W, 297 m (J. Kocourkova & K. Knudsen 7349 hb. Kocourkova). Common in Southern California.



MARIPOSA CO.: Sierra Nevada, Yosemite NP near The Rostrum. RIVERSIDE CO.: San Jacinto Mountains, Idyllwild, N Fork San Jacinto River. SAN BERNARDINO CO.: Mojave Desert, Granite Mountains; Little San Bernardino Mountains, Juniper Flats. Photo by Chris Coshland.

Chrysothrix chlorina (Ach.) J.R. Laundon – Gold Dust Lichen – Chrysotrichaceae

[*Lepraria chlorina* (Ach.) Ach., *Caliciella corynella* var. *chlorina* (Ach.) Räsänen, *Calicium chlorinum* (Ach.) Schaer., *Calicium chlorinum* f. *albipes* (Vain.) Keissl., *Calicium chlorinum* f. *chlorinum* (Ach.) Schaer., *Calicium chlorinum* subsp. *parvicum* (Ach.) Körb., *Calicium chlorinum* var. *chlorinum* (Ach.) Schaer., *Calicium chlorinum* var. *exsertum* (Nyl.) Keissl., *Coniocybe chlorina* (Ach.) Rabenh., *Crocynia chlorina* (Ach.) Hue, *Lichen chlorinus* Ach., *Pulveraria chlorina* (Ach.) Ach., *Trachylia chlorina* (Ach.) Rabenh.]

Rarity Ranking: G unranked, S unranked (S2?), L1



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Thallus leprose, lepraroid, powdery, byssoid, crustose, yellowish, yellowish green.

Apothecia absent. Substrate: siliceous rock.

VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1195 SBBG).

Also known from Humboldt, Los Angeles, Mariposa, Monterey, Orange, San Mateo, Santa Barbara, and Santa Cruz Counties. Photo by Samuel Brinker.

Cladonia chlorophaea (Florke ex Sommerf.) Sprengel – Mealy Pixie-cup Lichen - Cladoniaceae

Rarity Ranking: G5, S unranked (S5?), L3

Thallus squamulose, irregularly crenate-lobate podetia, brownish green to gray. Apothecia brown. Substrate: rotten wood, tree trunks, mineral soil or humus.

VENTURA CO.: Ojai Valley, along SR 150 near Lake

Casitas (M. Cole 1501 SBBG); Upper Ojai Valley,

Dennison Park (C. Bratt 1160, 1161 SBBG); Simi Valley,

Santa Susana at Rocky Pointe Park (C. Bratt 11335, 11363

SBBG); Conejo Mountains, N slope Conejo Mountain at 99 m (J.C. Lendemer & K. Knudsen

11457 NY); Hidden Valley, near Lake Sherwood (W. Eyerdam 2097 MIN); Santa Monica

Mountains, Deals Flat on Beltrami property, County Line along PCH (H.E. Hasse 33A

SBBG); Anacapa Islands, West Anacapa Island; San Nicolas Island.

ALAMEDA CO.: Oakland Hills, Knowland Park at 184 m. AMADOR CO.: Sierra Nevada,

Old Lambert Road, near Apricon Hill. BUTTE CO.: Sacramento Valley, Chico; Sierra

Nevada, ¼ mile W of Covered Bridge on Honeyrun Road, Mud Creek at Cohasset Road,

foothills N of Chico along Crown Point Drive, Table Mountain. DEL NORTE CO.: Outer

North Coast Ranges, Gasquet, Jedediah Smith Redwoods State Park. EL DORADO CO.:

Sierra Nevada, near Saylor cabin e miles E of Kyburz. HUMBOLDT CO.: North Coast,

Humboldt Bay 1.3 mi S of Arcata; Outer North Coast Ranges, Redwoods State Park, Prairie

Creek Redwoods State Park. INYO CO.: Sierra Nevada, along Rock Creek Road at 3170 m.

LAKE CO.: Inner North Coast Ranges, Spikenard Creek near Ettawa Springs, summit of Elk

Mountain; Clear Lake, Soda Bay. LOS ANGELES CO.: San Gabriel Mountains, West Fork

San Gabriel River at 550 m, along SR39 below Crystal Lake at 1475 m, Sturtevant Trail,

Santa Anita Canyon; Santa Monica Mountains, Old Topanga Canyon (C. Wetmore 16827

MIN), Sepulveda Canyon, Castro Crest at 665 m (K. Knudsen 711.2 SBBG); San Gabriel

Valley, Pasadena; Santa Catalina Island. MADERA CO.: Sierra Nevada, E side of SR49

between Mariposa and Sonora, Shinn Grove at 1705 m, North Fork Ranger Station at 790 m,

E end of Kerckhoff Lake at 3050 m. MARIN CO.: San Geronimo Ridge at 420 m, Bon

Tempe Dam, Bullfrog Quarry, 0.3 mile from Alpine Dam at 191 m, Bullfrog-Bon Tempe at

308 m; Inverness Ridge. MARIPOSA CO.: Sierra Nevada, Tenaya Lake in Yosemite NP,

Yosemite Valley at Camp Curry. MENDOCINO CO.: Outer North Coast Ranges, 7 miles E

of SR1, W of Cloverdale. MONTEREY CO.: Monterey Peninsula, Point Lobos Reserve;

Monterey Bay, Fort Ord Natural Preserve. NAPA CO.: Inner North Coast Ranges, along

SR121 near Lake Berryessa Dam. NEVADA CO.: Sierra Nevada, Emigrant Gap at junction

of I-80 & SR20. PLUMAS CO.: Sierra Nevada, Feather Falls. RIVERSIDE CO.: Santa Ana

Mountains, Tenaja Canyon at 459 m. SAN BENITO CO.: Pinnacles NM at rock outcrop

near Chalone Creek. SAN DIEGO CO.: Peninsular Range, at Crossley Saddle at 1200 m,

Cuyamaca Peak at 1500 m, near Otay, Palomar Mountain; South Coast, at Point Loma. SAN

FRANCISCO CO.: San Francisco Presidio at Baker Beach. SAN LUIS OBISPO CO.:

Morro Bay, Los Osos, Montana del Oro State Park; Cuesta Ridge, at 800 m, N of Lopez

Lake. SAN MATEO CO.: San Bruno Mountain, at 250 m, near Woodside; Butano State

Park. SANTA BARBARA CO.: Santa Ynez Mountains, West Camino Cielo near Painted



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Cave Road, Mission Canyon; Santa Rosa Island at 30 m; Santa Cruz Island. SANTA CLARA CO.: Hamilton Range, Hastings Ecological Preserve at 800 m; near Stanford University. SANTA CRUZ CO.: Santa Cruz Mountains, Page Hill Road, Castle Rock Ridge. SHASTA CO.: Cascade Range, Mount Shasta above Hotlum Station; Sierra Nevada, McArthur Burney Falls Park; Castle Crags State Park. SIERRA CO.: Sierra Nevada, along Yuba River at Indian Valley Campground. SISKIYOU CO.: Klamath Mountains, FS Rte 7F01 5 miles SW of Scotts Bar, edge of Marble Mountain Wilderness at 1350 m, near Etna; Modoc Plateau at Balcony Cave in Lava Beds NP. SOLANO CO.: N mile N of Blue Rock Springs Park. SONOMA CO.: North Coast, Salt Point State Park, Russian River Valley along US101 at Asti, near Fort Ross; Inner North Coast Ranges, Armstrong Redwoods State Park. STANISLAUS CO.: Frank Raines County Park. TEHAMA CO.: Inner North Coast Ranges, above Doll Creek. TRINITY CO.: East Weaver Campground. TULARE CO.: Sierra Nevada, Doyle Springs at 1249 m, Potwisha Campground, Chepherd Peak, Redwood Canyon, Grant Grove. TUOLUMNE CO.: Sierra Nevada, above N end of Cherry Lake at 1850 m, YUBA CO.: Sierra Nevada Foothills, Bullard's Bar on Yuba River. Photo by Stephen Sharnoff.

Cladonia nashii Ahti – Nash's Pixie-cup Lichen - Cladoniaceae
Rarity Ranking: G2, S unranked (S5?), L1



Cladonia nashii is a foliose lichen with squamules 1-4 mm wide. The fruiting bodies, podetia, are 4-10 mm tall, whitish-gray, simple, and cup-forming with cups 2-4 mm wide. It typically grows on earthen banks (terricolous) mostly in shaded habitats. *Cladonia nashii* is endemic to the California Floristic Province, ranging from Monterey County south along the coast to Baja California del Norte, Mexico. (Nash et al. 2002.) Two outlier collections (Marin and Siskiyou Counties) either expand the

known range significantly or the identifications of those are incorrect.

VENTURA CO.: Conejo Mountains, Long Grade Valley above Conejo Creek at 99 m (K. Knudsen 4036 PH); Santa Monica Mountains, soil in shade of *Quercus agrifolia* Alliance on north slope of Boney Mountain; Hidden Valley, on Charles Ash's property at 1430 Hidden Valley Road (D.L. Magney 166-08 UCSB); Santa Monica Mountains, near Eleanor Dam at 291 m (K. Knudsen 10703 SBBG); Anacapa Islands, West Anacapa Island.

LOS ANGELES CO.: Santa Monica Mountains, Mandeville Canyon at 460 m (K. Knudsen et al. 5268, 5269 PH), Sepulveda Canyon, Topanga Canyon, Santa Ynez Canyon, Castro Crest; San Gabriel Mountains, Monrovia Canyon at 847 m; Santa Catalina Island, San Clemente Island. ORANGE CO.: Santa Ana Mountains, lower Fremont Canyon, Weir Canyon; South Coast, Laguna Beach. MARIN CO.: Mount Tamalpais State Park S of Panoramic Drive parking lot. MONTEREY CO.: Santa Lucia Range, Upper Carmel Valley on Hastings Ecological Preserve at 800 m. RIVERSIDE CO.: San Jacinto Mountains, Tenaja Canyon at 459 m, Tenaja Falls, above Dry Creek at 1304 m, upper Rouse Ridge at 1169 m; Menifee Hills, Wildomar at 612 m; Warner Hot Springs; Santa Ana Mountains, Santa Rosa Plateau. SAN DIEGO CO.: South Coast, Point Loma, Mission Trails Regional Park, Vista at 108 m, Carmel Mountain at 120 m. SAN LUIS OBISPO CO.: Central Coast, San Simeon

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along San Carpoforo Creek, Morro Bay in Los Osos, Montana Del Oro State Park; Cuesta Ridge; Garcia Mountains, Lopez Canyon. SANTA BARBARA CO.: Central Coast, Point Sal Ridge; Orcutt Hill; Santa Ynez Mountains, Mission Canyon at Santa Barbara Botanic Garden; Channel Islands, Santa Cruz Island, San Miguel Island, Santa Rosa Island. SISKIYOU CO.: Mount Shasta, NW base 5 miles NE of Weed.

***Cliostomum griffithii* (Sm.) Coppins – Multicolored Dot Lichen – Ramalinaceae**

[*Biatora griffithii* (Sm.) Hepp, *Biatora mixta* Fr., *Biatorina griffithii* (Sm.) A. Massal., *Biatorina mixta* (Fr.) Hellb., *Biatorina tricolor* (With.) Stein, *Bilimbia mixta* (Fr.) A. Schneid., *Bilimbia tricolor* (With.) Branth & Rostr., *Catillaria griffithii* (Sm.) Malme, *Catillaria griffithii* f. *areolata* Oxner, *Catillaria griffithii* f. *griffithii* (Sm.) H. Magn., *Catillaria griffithii* f. *insularis* Erichsen, *Catillaria griffithii* f. *marina* (Ohlert) Erichsen, *Catillaria griffithii* var. *griffithii* (Sm.) H. Magn., *Catillaria griffithii* var. *macula* Erichsen, *Catillaria griffithii* var. *viridescens* Erichsen, *Catillaria tricolor* auct., *Catillaria tricolor* var. *marina* (Ohlert) Zahlbr., *Catillaria tricolor* var. *tricolor* (With.) Th. Fr., *Lecanora griffithii*, *Lecidea griffithii* (Sm.) Taylor, *Lecidea mixta* (Fr.) Sommerf., *Lecidea tricolor* (With.) Nyl., *Lecidea tricolor* var. *marina* Ohlert, *Lichen griffithii* Sm., *Lichen tricolor* With., *Sporoblastia griffithii* (Sm.) Trevis.]

Rarity Ranking: G4, S unranked (S4?), L2

Thallus crustose, ± rimose, pale gray or pale yellow, pale green, or bluish gray. Apothecia pale pink, gray-violet, purple-brown, or brownish or purplish black.

VENTURA CO.: Ventura Hills, Lake Canyon (W.A. Weber S-1010 ASU); Santa Monica Mountains, on *Malacothamnus fasciculatus* in Sycamore Canyon, Point Mugu State Park, 34°8'10"N, 119°0'15"W, 213 m (K. Knudsen & T. Sagar 11120 UCR); Anacapa Islands, West Anacapa Island; San Nicolas Island.

ALAMEDA CO.: Knowland Park at 188 m. DEL NORTE CO.: NE of Howland Creek in Jedidiah Smith Redwoods State Park. HUMBOLDT CO.: North Coast, Samoa; Outer North Coast Ranges, Women's Federation Grove, Humboldt

Redwoods State Park. LOS ANGELES CO.: Santa Monica Mountains, Cahuenga Pass, Topanga Canyon; San Gabriel Mountains; Santa Catalina Island.

MARIN CO.: Tomales Bay State Park, near Mill Valley. MENDOCINO CO.: North Coast, Jug Handle State Park; Outer North Coast Ranges, Navaro River Valley near Philo.

MONTEREY CO.: Point Lobos State Reserve, Pacific Grove. RIVERSIDE CO.: San Jacinto Mountains, at 2354 m. SAN FRANCISCO CO.: Lands End in Lincoln Park, Wolf Creek at San Francisco Presidio, Baker Beach, Pershing Square. SAN LUIS OBISPO CO.: Central Coast, Cambria, Morro Bay at Montana del Oro State Park, Los Osos Preserve, Los Osos at Baywood Middle School. SAN MATEO CO.: Stanford University at 61 m, Stengel Ranch in Santa Cruz Mountains. SANTA BARBARA CO.: Santa Ynez Mountains, Bridle Ridge Preserve, Mission Canyon at Santa Barbara Botanic Garden; Montecito, Lotusland; South Coast, El Capitan State Park at 10 m; San Miguel Island, Santa Cruz Island, Santa Rosa Island. SANTA CRUZ CO.: Santa Cruz Mountains, Black Mountain, Stevens Creek.

SONOMA CO. Photo by Stephen Sharnoff



***Collema nigrescens* (Hudson) DC. – Blistered Jelly Lichen – Collemataceae**

[*Collema nigrescens* f. *nigrescens* (Huds.) DC., *Collema nigrescens* var. *nigrescens* (Huds.) DC., *Collemodiopsis nigrescens* (Huds.) B. de Lesd., *Gabura nigrescens* (Huds.) Kuntze, *Lathagrium nigrescens* (Huds.) Gray, *Lethagrium nigrescens* (Huds.) A. Massal., *Lichen nigrescens* Huds., *Parmelia nigrescens* (Huds.) Ach., *Parmelia nigrescens* var. *caesia* Clemente, *Parmelia nigrescens* var. *nigrescens* (Huds.) Ach., *Synechoblastus nigrescens* (Huds.) Trevis., *Synechoblastus nigrescens* f. *furfuraceum* Arnold, *Synechoblastus nigrescens* f. *nigrescens* (Huds.) Trevis., *Synechoblastus nigrescens* f. *quinqueseptatum* Kernst.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus foliose, adnate, lobes usually 0.5-1 cm wide, surface densely pustulate, dark olive-green to brown or rarely black. Apothecia crowded, brownish red. Substrate: bark in riparian or coastal habitats, rarely on rock.

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VENTURA CO.: Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd., 34°8'30"N, 118°55'6"W, 362 m (K. Knudsen 9630 UCR) as *Collema subnigrescens*.

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Glenn, Humboldt, Lake, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Napa, Orange, Placer, Plumas, Shasta, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Sonoma, Tehama, Trinity, Tulare, Tuolumne, and Yolo Counties. Photo by Samuel Brinkler.

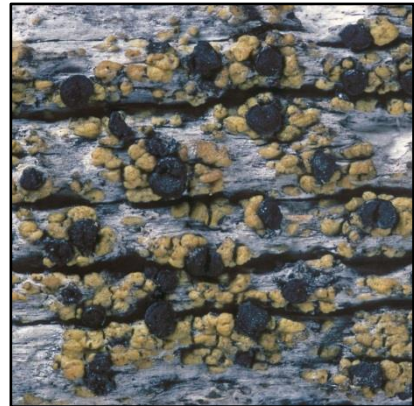


Cyphelium pinicola Tibell – Black and Yellow Pine Lichen - Caliciaceae

Rarity Ranking: G unranked, S unranked (S3?), L1
Thallus superficial or immersed into substrate, verrucose, intensely greenish yellow. Apothecia shining black.
Substrate: dry twigs of *Pinus*, rarely on wood or bark of *Betula*, *Pinus*, and *Larix*.

VENTURA CO.: Pine Mountain Ridge, Pine Mountain Campground (C. Bratt 4911 SBBG/SD).

Also known from Calaveras, El Dorado, Lake, Los Angeles, Mariposa, Nevada, Riverside, Santa Cruz, Siskiyou, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.



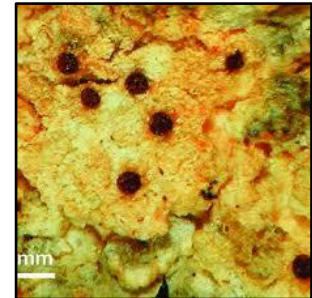
Dacampia lecaniae Kocourk. & K. Knudsen – Lecania Parasite Lichen – Dacampiaceae

Rarity Ranking: G unranked, S unranked (S1?), L1. Ventura County endemic.

Thallus crustose, lichenicolous on aeroles and apothecia of *Lecania fuscella*, infection turning the discs black and bleaching areoles.
Substrate: parasitic on *Lecania fuscella* growing on *Coreopsis gigantea*.

VENTURA CO.: Anacapa Islands, West Anacapa Island on *Lecania fuscella* (Knudsen & Kocourková 2010f SBBG!).

Not known from any other county in California.



Didymocyrtis cladoniicola (Diederich, Kocourk. & Etayo) Ertz & Diederich – Cladonia-loving Lichen - Phaeosphaeriaceae

[*Phoma cladoniicola* Diederich, Kocourk. & Etayo]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose. Parasitic on *Cladonia*.

VENTURA CO.: Santa Monica Mountains, on *Cladonia chlorophaea* on slope above SR23 near Lake Eleanor Dam - 34°8'12"N, 118°51'8"W at 297 m (K. Knudsen et al. 10705.1 UCR); Anacapa Islands, ridge E of Summit Peak on West Anacapa Island (K. Knudsen 10869 UCR).

Not known from any other California county.

Dimelaena radiata (Tuck.) Mull. Arg. – Silver Moonglow Lichen – Caliciaceae

[*Buellia radiata* Tuck., *Rinodina radiata* Tuck.]

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Rarity Ranking: G3, S unranked (S3?), L3

Thallus crustose, becoming areolate towards the center, whitish to light gray or gray-brown to pale yellowish brown. Apothecia cryptolecanorine to lecanorine, black. Substrate: open siliceous rock outcrops, lava flows.

VENTURA CO.: Santa Paula Ridge, Toland Road Landfill (C.C. Bratt 10405 SBBG); Conejo Mountains, Camarillo Regional Park (C.C. Bratt 10969 SBBG), Long Grade Valley at 99 m (K. Knudsen 4018.1 PH/SBBG); Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen et al. 9644 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property, Deals Flat on Calderon property (D. Magney 136-24 UCSB), Point Mugu State Park along PCH at 27 m (K. Knudsen 3948, 4063.2, 4069 SBBG); Anacapa Islands, West Anacapa Island above Rat Rock (T.H. Nash III 37010 ASU), Middle Anacapa Island, East Anacapa Island (K. Knudsen 5321 PH); San Nicolas Island.

Also in Alameda, Butte, Contra Costa, Kern, Los Angeles, Marin, Mendocino, Monterey, Orange, Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sonoma, and Tulare Counties.

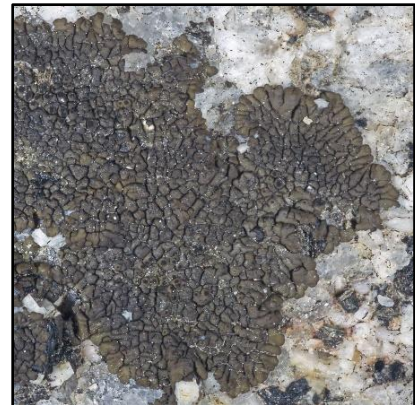


Dimelaena thysanota (Tucker) Hale & W.L. Culb. – Mountain Moonglow Lichen – Caliciaceae [*Rinodina thysanota* Tuck.]

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus crustose, areolate in center, dark brown and dull. Apothecia cryptolecanorine, black, dull. Substrate: acidic rocks at high altitudes.

VENTURA CO.: Matilija Canyon (H.E. Hasse 34, 74 F); Hidden Valley, on Conejo Volcanics rock outcrop on Ash property at 1430 Hidden Valley Rd., 34°8'30"N, 118°55'6"W, 362 m (K. Knudsen 9646 UCR), near Lake Sherwood (W.J. Eyerdam sn 4-Dec-1954 ASU). Typically at higher elevations. Also found in Alpine, Amador, Calaveras, Contra Costa, El Dorado, Fresno, Inyo, Kern, Los Angeles, Marin, Mariposa, Mono, Plumas, Riverside, San Benito, San Bernardino, San Diego, Santa Barbara, Santa Clara, Sierra, Siskiyou, Tulare, and Tuolumne Counties. Photo by Frank Bungartz.



Dimelaena weberi Sheard – Weber's Moonglow Lichen - Caliciaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus areolate, ochraceous to brown, prothallus dark between areoles. Apothecia cryptolecanorine or lecanorine, black, dull.

VENTURA CO.: Conejo Mountains, on Conejo Volcanics on N slope of Conejo Mountain, 34°11'33"N, 119°0'8"W, 63 m (K. Knudsen 5143.1 & 5143.2 UCR); San Nicolas Island.



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Also in Los Angeles, San Benito, San Diego, and Santa Barbara Counties, primarily on the Channel Islands.

***Diploschistes caesioplumbeus* (Nyl.) Lumbsch – Gray Crater Lichen – Graphidaceae**

[*Urceolaria actinostoma* var. *caesioplumbea* Nyl.]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus rimose-areolate, gray to dark gray. Ascomata perithecioid, blackish. Substrate: on siliceous rocks.

VENTURA CO.: Conejo Mountains, SW base of Conejo Mountain above Calleguas Creek on Conejo Volcanics at 318 ft (*K. Knudsen* 4309 ASU, *K. Knudsen* 4319 PH); San Nicolas Island (*T. Nash* 38742 ASU).

Not known from any other California County. Reported from Baja California.



***Diploschistes diacapsis* (Ach.) Lumbsch – Desert Crater Lichen – Graphidaceae**

[*Diploschistes albissimus* (Ach.) Dalla Torre & Saroth., *Urceolaria albissima* (Ach.) Arnold, *Urceolaria diacapsis* Ach., *Urceolaria scruposa* var. *diacapsis* (Ach.) Nyl.]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus rimose- to verrucose-areolate, whitish to whitish gray, rough. Ascomata urceolate, blackish. Substrate: on soil in open habitats.

VENTURA CO.: Anacapa Islands, West Anacapa Island on soil (*T. Nash* 37108 ASU). Also known from Butte, Lassen, Los Angeles, Riverside, San Bernardino, San Diego, San Mateo, and Santa Barbara Counties. Photo by Frank Bungartz.



***Diploschistes muscorum* (Scop.) R. Sant. – Cowpie Lichen – Graphidaceae**

[*Diploschistes bryophilus* (Ehrh.) Zahlbr., *Diploschistes bryophilus* f. *bryophilus* (Ehrh. ex Ach.) Zahlbr., *Diploschistes bryophilus* f. *iridatus* (A. Massal.) Lettau, *Diploschistes bryophilus* f. *pachylepis* Lettau, *Diploschistes bryophilus* f. *parasitica* (Sommerf.) Servit, *Diploschistes bryophilus* var. *bryophilus* (Ehrh. ex Ach.) Zahlbr., *Diploschistes bryophilus* var. *klementianus* Gyeln., *Diploschistes bryophilus* var. *praemetricus* Gyeln., *Diploschistes bryophilus* var. *rossica* Gyeln., *Diploschistes bryophilus* var. *rossicus* Gyeln., *Diploschistes lichenicola* (Mont.) Vain., *Diploschistes muscorum* subsp. *muscorum*, *Diploschistes scruposus* f. *bryophilus* (Ehrh.) Oxner, *Diploschistes scruposus* subsp. *muscorum* (Scop.) Clauzade & Cl. Roux, *Diploschistes scruposus* var. *bryophilus* (Ach.) Müll.Arg., *Diploschistes scruposus* var. *parasiticus* (Sommerf.) Zahlbr., *Gyalecta bryophila* (Ehrh.) Ach., *Lecanora scruposa* var. *parasitica* Sommerf., *Lichen bryophilus* Ehrh., *Lichen muscorum* Scop., *Mellitiosporium lichenicola* (Mont. & Fr.) Sacc., *Patellaria muscorum* (Scop.) Hoffm., *Stictis lichenicola* Mont. & Fr., *Urceolaria bryophila* (Ehrh.) Funck, *Urceolaria lichenicola* (Mont. & Fr.) A. Rich.]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus rimose- to verrucose-areolate, white or whitish gray, rough. Ascomata urceolate, slightly pruinose, blackish. Substrate: on soil or mosses.

VENTURA CO.: Conejo Mountains, 4 mi N of Newbury Park (*W.A. Weber* 1741 ASU), N slope of Conejo Mountain above Conejo Creek at 99 m (*K. Knudsen* 4039 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property; Anacapa Islands, West Anacapa Island; San Nicolas Island.

Also known from Amador, Butte, Contra Costa, El Dorado, Fresno, Humboldt, Inyo, Kern, Lake, Los Angeles, Madera, Marin, Mendocino, Mono, Monterey, Orange, Plumas, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Sonoma, Sutter, and Tulare Counties. Photo by Samuel Brinker.



Ventura County Lichens: Annotated Checklist

By David L. Magney

***Diploschistes scruposus* (Schreb.) Norman – Crater Lichen – Graphidaceae**

[*Diploschistes scruposa* (Schreb.) Norman, *Lagerheimina scruposa* (Schreb.) Kuntze, *Lecanora scruposa* (Schreb.) Nyl., *Lecanora scruposa* f. *geographica* Flagey, *Lecanora scruposa* f. *scruposa* (Schreb.) Nyl., *Lecanora scruposa* var. *gypsacea* (Ach.) Sommerf., *Lecanora scruposa* var. *scruposa* (Schreb.) Nyl., *Lichen scruposus* Schreb., *Lichen scuposus* Schreb., *Parmelia scruposa* (Schreb.) Hepp, *Patellaria scruposa* (Schreb.) Hoffm., *Psora scruposa* (Schreb.) Hampe, *Urceolaria scruposa* (Schreb.) Ach., *Urceolaria scruposa* f. *bryophila* Ehrh., *Urceolaria scruposa* f. *corticola* Harm., *Urceolaria scruposa* f. *granulosa* Harm., *Urceolaria scruposa* f. *isidioidea* Schaer., *Urceolaria scruposa* f. *leprosa* Flot., *Urceolaria scruposa* f. *minor* Kremp., *Urceolaria scruposa* f. *muscolica* Anzi, *Urceolaria scruposa* f. *ochracea* Anzi, *Urceolaria scruposa* f. *scruposa* (Schreb.) Ach., *Urceolaria scruposa* f. *subscruposa* Nyl., *Urceolaria scruposa* var. *albissima* Ach., *Urceolaria scruposa* var. *arenaria* Schaer., *Urceolaria scruposa* var. *bryophila* (Ehrh.) Ach., *Urceolaria scruposa* var. *cretacea* Ach., *Urceolaria scruposa* var. *iridata* A. Massal., *Urceolaria scruposa* var. *minor* (Kremp.) Müll. Arg., *Urceolaria scruposa* var. *parasitica* Sommerf., *Urceolaria scruposa* var. *plumbea* Ach., *Urceolaria scruposa* var. *punctata* H. Olivier, *Urceolaria scruposa* var. *scruposa* (Schreb.) Ach., *Urceolaria scruposa* var. *virella* Clemente, *Urceolaria scruposa* var. *vulgaris* Schaer., *Urceolariomyces scruposae* Cif. & Tomas., *Verrucaria scruposa* (Schreb.) Hoffm.]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus rimose- to verrucose-areolate, greenish to brownish gray, smooth, shiny or dull.

Ascomata urceolate, slightly pruinose, blackish. Substrate: siliceous rocks.

VENTURA CO.: Matilija Canyon, 6 km up stream of Matilija Hot Springs at 460 m (W.A. Weber 77656 COLO); Upper Ojai Valley, Dennison Park (C. Bratt 1164 SBBG); Simi Valley, Santa Susana at Rocky Point Park (C. Bratt 11344 MIN); Conejo Mountains, 4 mi N of Newbury Park (W.A. Weber 1741 ASU); San Nicolas Island.

Also occurs in Amador, Butte, Calaveras, Contra Costa, Del Norte, El Dorado, Fresno, Humboldt, Inyo, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Napa, Nevada, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.



***Diplotomma venustum* (Körb.) Körb. – Graceful Button Lichen – Caliciaceae**

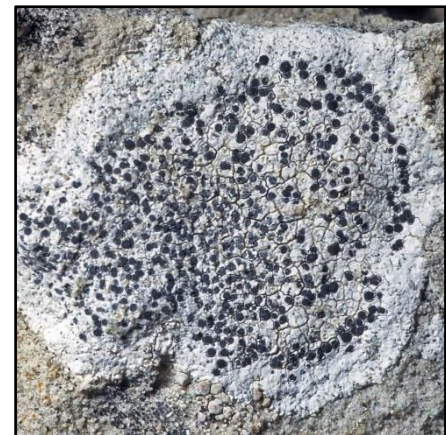
[*Buellia alboatra* var. *venusta* (Körb.) Th. Fr., *Buellia epilolia* var. *venusta* (Körb.) Mong., *Buellia lecanoroides* H. Magn., *Buellia margaritacea* var. *venusta* (Körb.) Räsänen, *Buellia venusta* (Körb.) Lettau, *Buellia venusta* f. *jutasi* Gyeln., *Buellia venusta* f. *pulchra* Servit, *Buellia venusta* f. *venusta* (Körb.) Lettau]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, rimose thallus chalky white to gray or ochraceous. Apothecia lecideine, black. Substrate: epilithic on calciferous substrates.

VENTURA CO.: Santa Paula Ridge, Toland Road Landfill (C. Bratt 10406 SBBG); San Nicolas Island, Theodolite Rd off Jackson Hwy (C. Bratt 12006 ASU), S coast (S. Tucker 33812b SBBG), next to NAVFAC behind Tranquility Beach (T. Nash 38658-d, 38674, 38675-a ASU), W end at 150 m (T. Nash 38690 ASU), near Cave of the Whales (T. Nash 38720 ASU), E end of island at 20 m (T. Nash 38902 ASU), near Twin Towers (C. Bratt 12075 ASU), Sandspit Canyon (C. Bratt 8145 SBBG).

Also known to occur in Los Angeles, Monterey, Orange, Riverside, San Bernardino, San Luis Obispo, San Mateo, and Santa Barbara Counties. Photo by Frank Bungartz.



***Dirinaria aegialita* (Afzel. ex Ach.) B.J. Moore – Grainy Medallion Lichen – Caliciaceae**

[*Dirinaria aegialita* var. *aegialita* (Afzel. ex Ach.) B.J. Moore, *Dirinaria aegialita* (Afzel. ex Ach.) B.J. Moore, *Hagenia aegialita* (Afzel. ex Ach.) Bagl., *Lecanora aegialita* (Afzel. ex Ach.) Ach., *Parmelia aegialita* Afzel. ex Ach., *Physcia aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita* f. *aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita* f. *coccinea* Lynge, *Physcia aegialita* var. *aegialita* (Afzel. ex Ach.) Nyl., *Physcia aegialita* var. *obliterata* B. de Lesd., *Physcia aegialita* var. *saxicola* Räsänen, *Physcia aspera* var. *alutacea* H. Magn., *Physcia aspera* var. *aspera* H. Magn.]

Ventura County Lichens: Annotated Checklist

By David L. Magney

Rarity Ranking: G4, S unranked (S1?), L1

Thallus foliose, loosely appressed, gray, bluish gray, almost white. Apothecia rare, black. Substrate: on bark, wood, and rock.

VENTURA CO.: Anacapa Islands, West Anacapa Island between Rat Rock and campground (*C. Bratt 9151* SBBG – ID questioned by S. Tucker).

Not known from any other California county. Nearest occurrences outside of California are Baja California and New Mexico. Photo by Stephen Sharnoff.



***Dirinaria picta* (Swartz) Clem. & Shear. – Powdery Medallion Lichen – Caliciaceae**

[*Dimelaena picta* (Sw.) Trevis., *Hagenia picta* (Sw.) Bagl., *Lichen pictus* Sw., *Lobaria picta* (Sw.) Raeusch., *Parmelia picta* (Sw.) Ach., *Parmelia plumosa* Taylor, *Physcia picta* (Sw.) Nyl., *Physcia picta* f. *coccinea* Müll.Arg., *Physcia picta* f. *erythrocardia* (Tuck.) J.W. Thomson, *Physcia picta* f. *isidiophora* Nyl., *Physcia picta* f. *picta* (Sw.) Nyl., *Physcia picta* var. *coccinea* Müll.Arg., *Physcia picta* var. *endochroma* H. Magn. & D.D. Awasthi, *Physcia picta* var. *erythrocardia* Tuck., *Physcia picta* var. *flavicans* Müll.Arg., *Physcia picta* var. *picta* (Sw.) Nyl., *Physcia plumosa* (Taylor) Nyl., *Pyxine picta* (Sw.) Tuck., *Pyxine picta* var. *erythrocardia* Tuck., *Squamaria picta* (Sw.) Ach.]

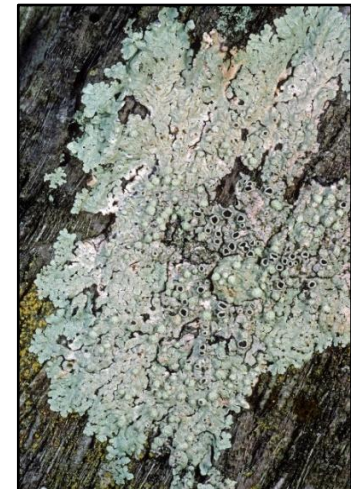
Rarity Ranking: G4, S unranked (S1?), L1

Thallus foliose, appressed to agglutinated, gray, bluish gray, or almost white, shiny. Apothecia very rare, jet-black. Substrate: on bark and wood along or near beaches.

VENTURA CO.: Santa Monica Mountains, on soil and rocks in scrub along Potrero Rd. (*Riefner 92-190* WIS).

SAN LUIS OBISPO CO.: Camarillo Peaks, on soil in coastal sage scrub at Morro Bay State Park (*Riefner 92-408* WIS).

SONOMA CO.: Outer North Coast Ranges, on rocks along SR1 near Fort Ross (*Riefner 88-78* WIS & *85-639* COLO). Photo by Stephen Sharnoff.



***Distopyrenis americana* Aptroot – American Invisible Lycium Lichen – Pyrenulaceae**

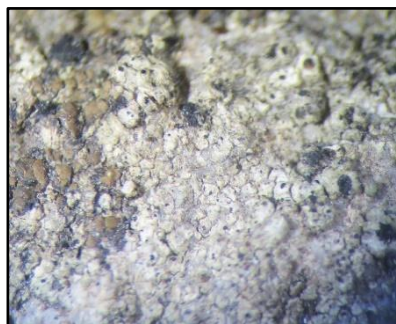
Rarity Ranking: G3, S unranked (S1?), L1

Thallus absent or immersed in substrate, if present, whitish gray, dull. Perithecia hemispherical, black. Substrate: on bark and wood of *Lycium*.

VENTURA CO.: San Nicolas Island, between NAFVAC Road and beach (*S. Tucker 33682B* ASU/SBBG).

Not known from any other California county.

***Endococcus matzeri* D. Hawks. & Iturr. – Matzer's Parasitic Lichen - Lichenotheliaceae**



Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, whitish gray. Apothecia dark gray.

Substrate: parasitic on lichens, such as *Mobergia angelica*.

VENTURA CO.: Santa Monica Mountains, on *Mobergia angelica* in deep-cut ravine in slope above SR 23 near Lake Eleanor Dam, Conejo Open Space, 34°8'12"N, 118°51'8"W, 297 m (*K. Knudsen et al. 10967* UCR).

SANTA BARBARA CO.: Santa Rosa Island near Cherry Canyon. Baja California, Mexico. Photo by Chris Coshland.

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***Enchylium polycarpon* (Hoffm.) Otálora, P.M. Jørg. & Wedin – Fruitful or Shaly Jelly Lichen – Collemataceae**

[*Collema melaenum* var. *polycarpon* (Hoffm.) Nyl., *Collema polycarpon* Hoffm., *Eucollemma polycarpon* (Hoffm.) Horw., *Lethagrium polycarpon* (Hoffm.) Arnold, *Parmelia multifida* var. *polycarpon* (Hoffm.) Schaer., *Synechoblastus polycarpus* (Hoffm.) Dalla Torre & Sarnth., *Synechoblastus wyomingensis* Fink ex J. Hedrick]

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus foliose, forming rosette-like cushions, dark olive-green to black. Apothecia numerous, red or red-brown or black. Substrate: hard, usually calcereous or acidic rocks, mesic habitats.

VENTURA CO.: Santa Monica Mountains, Decker Canyon Road (*H. theirs* 33611 ASU).

Also known from Lake, Los Angeles, Monterey, San Benito, San Bernardino, Santa Barbara, Santa Cruz, and Tulare Counties. Photo by Samuel Brinker.



***Enchylium tenax* (Sw.) Gray – Soil Jelly Lichen – Collemataceae**

[*Collema tenax* (Sw.) Ach., *Collema auriculatum* var. *ceranoides* (Borrer) Nyl., *Collema ceranoides* Borrer, *Collema crispum* subsp. *ceranoides* (Borrer) Nyl. ex Cromb., *Collema crispum* var. *cristatum* Nyl. ex Cromb., *Collema pulposum* (Bernh.) Ach., *Collema pulposum* f. *compactum*, *Collema pulposum* f. *hydrocharum*, *Collema pulposum* f. *papulosum* Schaer., *Collema pulposum* f. *pulposum* (Bernh.) Ach., *Collema pulposum* var. *ceranoides* (Borrer) Leight., *Collema pulposum* var. *compactum* (Ach.) Nyl., *Collema pulposum* var. *confertum* Harm., *Collema pulposum* var. *corallinum* A. Massal., *Collema pulposum* var. *cristatum*, *Collema pulposum* var. *diffractoareolatum* Schaer., *Collema pulposum* var. *ligerinum* Hy, *Collema pulposum* var. *pulposulum* (Nyl.) Cromb., *Collema pulposum* var. *pulposum* (Bernh.) Ach., *Collema pulposum* var. *tenax* (Sw.) Nyl., *Collema pulposum* var. *uniseptatum* Zahlbr., *Collema pulposum* var. *vulgare* Schaer., *Collema tenax* f. *tenax* (Sw.) Ach., *Collema tenax* var. *ceranoides* (Borrer) Degel., *Collema tenax* var. *corallinum* (A. Massal.) Degel., *Collema tenax* var. *coronatum* Körb., *Collema tenax* var. *tenax* (Sw.) Ach., *Collema tenax* var. *tenax* (Sw.) (Sw.), *Collema tenax* var. *vulgare* (Schaer.) Degel., *Eucollemma ceranoides* (Borrer) Horw., *Eucollemma ceranoides* f. *ceranoides* (Borrer) Horw., *Eucollemma ceranoides* f. *cristatum* (Nyl. ex Cromb.) Horw., *Leptogium palmatum* f. *corallinum* (A. Massal.) Zahlbr.]

Rarity Ranking: G5, S unranked (S4?), L2

Thallus foliose, appearing subcrustose, light or dark olive-green to blackish brown, smooth to slightly rugulose. Apothecia light or dark red to red-brown or black. Substrate: soils or soil over rock, mesic habitats.

VENTURA CO.: Cuyama Badlands in Ballinger Canyon (*C. Bratt sn 11-Apr-2003 SBBG*); Conejo Mountains, along Los Robles Trail (*R. Riefner 92-102 WIS*); Santa Monica Mountains, Deals Flat on Beltrami property (*K. Knudsen & D. Magney 5604 SBBG*), Deer Park Canyon ridge at 341 m (*K. Knudsen 5580 SBBG*), upper Little Sycamore Canyon along Yerba Buena Road at 550 m (*K. Knudsen 12040 SBBG*); San Nicolas Island.

Widespread worldwide. Also in Butte, Calaveras, Contra Costa, Imperial, Inyo, Kern, Lake, Los Angeles, Marin, Mendocino, Mono, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, and Tulare Counties. Photo by Stephen Sharnoff.



***Endocarpon pusillum* Hedwig – Scaly Stippled Lichen – Verrucariaceae**

[*Dermatocarpon pusillum* (Hedw.) Anzi, *Dermatocarpon pusillum* var. *pusillum* (Hedw.) Anzi, *Dermatocarpon sorediatum* (Borrer) Arnold, *Dermatocarpon trapeziforme* (J. König) Trevis., *Endocarpon hedwigii* (Ach.) Ach. nom. illegit., *Endocarpon pusillum* var. *pusillum* Hedw., *Endocarpon sorediatum* (Borrer) Hook., *Endocarpon trapeziforme* (J. König) Flagey, *Endopyrenium pusillum* (Hedw.) Schwend., *Endopyrenium pusillum* var. *pallidum* Körb., *Endopyrenium pusillum* var. *pusillum* Körb., *Endopyrenium trapeziforme* (J. König) Stein, *Leightonina pusilla* (Hedw.) Garov., *Lichen trapeziformis* J. König, *Placidium trapeziforme* (J. König) Arnold, *Verrucaria sorediata* Borrer, *Verrucaria trapeziformis* (J. König) Schrad.]

Rarity Ranking: G5, S unranked (S4?), L2

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Thallus squamulose, weakly to deeply lobate, pale ochraceous brown to dark brown. Perithecia globose, brown-black to black. Substrate: bare or mossy soil and soil cover over rocks.

VENTURA CO.: Conejo Mountains, N slope of Conejo Mountain above Conejo Creek (J.C. Lendemer & K. Knudsen 11442 NY, K. Knudsen 4052, 4060 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5606 SBBG), Mishe Mokwa Trail (K. Knudsen 5656 SBBG); Anacapa Islands, West Anacapa Island on W side of summit (T.H. Nash III 37109, 37110 ASU); San Nicolas Island on *Myoporum* N of pine grove (C.C. Bratt 8755 ASU/OMA/WIS), below Theodolite Road (T.H. Nash III 38768 ASU).



Also known from Contra Costa, El Dorado, Kern, Lake, Los Angeles, Marin, Mariposa, Mono, Monterey, Orange, Plumas, Riverside, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sutter, and Tulare Counties. Photo by Stephen Sharnoff.

Endocarpon subnitescens Nylander – Chalice Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus crustose, reddish brown. Apothecia blackish.
Substrate: soil.

VENTURA CO.: North Fork Matilija Creek (H.E. Hasse 1009 FH); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5606 SBBG); San Nicolas Island, in L Canyon (C.C. Bratt 8227 SBBG), between NAVFAC Road & beach, Upper Cave Canyon.



SAN LUIS OBISPO CO.: Camarillo Peaks-Morro Bay State Park (R. Riefner Jr. 92-415 UCR); La Panza Range, Navajo Road at SR58 (C. Bratt 8545 SBBG); Big Rocks N of SR166 (C. Bratt 8876b SBBG). SANTA BARBARA CO.: Santa Cruz Island, Centinela Grade Road (J. Robertson 7417 UC). LOS ANGELES CO.: Santa Monica Mountains (H. Hasse sn 1913 MIN). SAN DIEGO CO.: Daley Ranch in Escondido (C. Bratt 12092 SBBG). SONOMA CO.: Outer North Coast Ranges, 5 miles NW of Cazadero W of King Ridge Road to Bearpen Creek (R. Robertson 3952 UC).

Erichansenia epithallina (Lyngby) S.Y. Kondr., Kärnefelt & A. Thell – Parasitic Firedot Lichen – Teloschistaceae

[*Caloplaca epithallina* Lyngby]

Rarity Ranking: G4, S3.2, L1
Thallus little or none. Apothecia lecanorine, brownish orange. Substrate:, on lichens over non-calcareous rocks.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5631 SBBG), Mishe Mokwa Trail at 741 m (K. Knudsen 5680 SBBG), near summit of Sandstone Peak at 921 m (K. Knudsen 8481



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SBBG); Anacapa Islands (Riefner et al. 1995); San Nicolas Island (Riefner et al. 1995). INYO CO.: Sierra Nevada, along Rock Creek Road at 3170 m (*B.D. Ryan 12797* ASU); ELDORADO CO.: Sierra Nevada (Ryan and Nash 1991). RIVERSIDE CO.: summit of Santa Rosa Mountain at 2,500 meters on *Dimelaena* and *Rhizoplaca* (Riefner et al. 1995). SAN BERNARDINO CO.: San Bernardino Mountains, head of Jacoby Canyon (*C. Bratt 6048* ASU). Also known from Alpine, El Dorado, Glenn, Kern, Los Angeles, Mariposa, Modoc, Mono, Nevada, Orange, Placer, Riverside, San Benito, San Diego, San Luis Obispo, Santa Barbara, Sonoma, Trinity, Tulare, and Tuolumne Counties.

Caloplaca epithallina is a crustose-type lichen in the Teloschistaceae family. The thallus occurs within a host lichen, in clusters. Apothecia are dark rusty red-orange or reddish to black in places. The apothecial disk reacts C-, and margin reacts C+ deep red. The spores are 8-13 X 5-8 µm with a septum 2-3.5 µm wide – less than one third the length of the spore. (Brodo et al. 2001.) Photo by Stephen Sharnoff.

Caloplaca epithallina is found growing parasitic on a variety of arctic and alpine lichens (lichenicolous) growing on siliceous rocks, often those frequented by birds. It is now apparently rare in some area due to development.

***Evernia prunastri* (L.) Ach. – Valley Oakmoss Lichen – Parmeliaceae**

[*Borreria prunastri* (L.) Sibth. & Sm., *Evernia herinii* P.A. Duvign., *Evernia prunastri* f. *herinii* (P.A. Duvign.) D. Hawksw., *Evernia prunastri* f. *retusa* (Ach.) Cromb., *Evernia prunastri* var. *herinii* (P.A. Duvign.) Maas Geest., *Evernia prunastri* var. *prunastri* (L.) Ach., *Evernia prunastri* var. *stictoceros* (Sm.) Ach., *Evernia retusa* (Ach.) Röhl., *Evernia stictoceros* (Sm. & Sowerby) Sm. & Sowerby, *Lichen prunastri* L., *Lichen stictoceros* Sm., *Lobaria prunastri* (L.) Hoffm., *Parmelia mollis* var. *prunastri* (L.) Schaer., *Parmelia prunastri* (L.) Ach., *Parmelia prunastri* var. *prunastri* (L.) Ach., *Parmelia prunastri* var. *retusa* Ach., *Physcia prunastri* (L.) DC., *Physcia prunastri* f. *elongata* Gand., *Physcia prunastri* f. *prunastri* (L.) DC., *Platysma prunastri* (L.) Frege, *Ramalina prunastri* (L.) Chevall.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus fruticose, erect and tufted to drooping and subpendent, branches few to numerous, flattend, strap-shaped, green-gray to pale greenish yellow or pale yellowish green. Apothecia very rare, disc red-brown. Substrate: bark.

VENTURA CO.: Ojai Valley, Lake Casitas in dam expansion borrow area (*C. Bratt 11178* SBBG);

Ventura Hills, Harmon Canyon Preserve (*R. Reese Naesborg 2670, 2767* SBBG); Santa Monica Mountains, Deals Flat on Calderon property on twigs (*D. Magney 117-24* UCSB).

Also known from Alpine, Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Merced, Modoc, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Mateo, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties.



***Flavoparmelia baltimorensis* (Gyelnik & Főriiss) Hale – Rock Greenshield Lichen – Parmeliaceae**

[*Parmelia baltimorensis* Gyeln. & Főriiss, *Pseudoparmelia baltimorensis* (Gyeln. & Főriiss) Hale]

Rarity Ranking: G5, S unranked (S2?), L1

Thallus adnate, foliose, yellow-green, smooth becoming rugose with age. Apothecia rare, brown. Substrate: acidic rock, rarely tree bases.

VENTURA CO.: Upper Ojai Valley, Dennison Park on *Heteromeles arbutifolia* (*C. Bratt 1172* SBBG).



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ORANGE CO.: Santa Ana Mountains, Weir Canyon at 252 m (K. Knudsen 6344 UCR).
RIVERSIDE CO.: Santa Ana Mountains, San Juan Loop Trail near Ortega Oaks (R. Riefner 84-37 US). SAN DIEGO CO.: South Coast, Wood Canyon at 100 m (L. Ross 275 ASU).
SAN LUIS OBISPO CO.: Central Coast, Morro Bay in Los Osos (S.C. tucker 35057a SBBG). SANTA CLARA CO.: Loma Prieta at 914 m (A.W.C.T. Herre sn 28-Jan-1939 F).
Photo by Frank Bungartz

***Flavoparmelia caperata* (L.) Hale – Common Greenshield Lichen – Parmeliaceae**

[*Flavoparmelia caperata* f. *caperata* (L.) Hale, *Flavoparmelia caperata* f. *sorediosa* (Müll. Arg.) S.Y. Kondr., *Flavoparmelia caperata* var. *caperata* (L.) Hale, *Imbricaria caperata* (L.) DC., *Lichen caperatus* L., *Lobaria caperata* (L.) Hoffm., *Parmelia caperata* (L.) Ach., *Parmelia caperata* f. *caperata* (L.) Ach., *Parmelia caperata* f. *saxicola* Müll.Arg., *Parmelia caperata* f. *sorediosa* Müll.Arg., *Parmelia caperata* var. *caperata* (L.) Ach., *Parmelia caperata* var. *sorediosa* F. Wilson, *Parmelia flavicans* (Tuck.) Herre nom. illegit., *Parmelia herreana* Zahlbr., *Parmelia* negative Gyele., *Parmelia perlata* subsp. *flavicans* Tuck., *Parmelia perlata* var. *flavicans* Tuck., *Parmotrema caperatum* (L.) M. Choisy, *Platismia caperatum* (L.) Hoffm., *Pseudoparmelia caperata* (L.) Hale]

Rarity Ranking: G5, S unranked (S5?), L3

Thallus adnate to loosely adnate, foliose, yellow green to pale yellow, occasionally green-gray in shade. Apothecia rare, brown. Substrate: on broad-leaved trees, shrubs, and fence posts, rarely on rocks.



VENTURA CO.: Ojai Valley, above W arm of Lake Casitas (C. Bratt 11176 SBBG); Upper Ojai Valley, Dennison Park (C. Bratt 1145, 1146 SBBG); Sulphur Mountain, Weldon Canyon at 152 m (C. Bratt 5365, 5367 SBBG), Wheeler Canyon on UNOCAL property (C. Bratt 11298 SBBG); Conejo Mountains, Long Grade Canyon along W Potrero Road at 70 m (R. Riefner Jr. 20-251 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd., 34°6'31"N, 118°55'10"W, 355 m (K. Knudsen et al. 9621 SBBG), Lake Sherwood along Triunfo Road (R. Moore sn 22-Jan-1955 UC); Santa Monica Mountains, Deals Flat on Beltrami property, on *Adenostoma fasciculatum* twigs on Calderon property W of Deals Flat; Anacapa Islands, West Anacapa Island at 250 m; San Nicolas Island, near Twin Towers at 274 m, near Fern Canyon.

Also known from Alameda, Butte, Contra Costa, Del Norte, Humboldt, Los Angeles, Marin, Mendocino, Merced, Monterey, Napa, Orange, Plumas, Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Solano, Sonoma, and Tehama Counties.

***Flavoplaca citrina* (Hoffm.) Arup, Søchting & Frödén – Mealy Shield Lichen – Teloschistaceae**

[*Caloplaca citrina* (Hoffm.) Th. Fr., *Blastenia citrina* (Hoffm.) B. de Lesd., *Callopisma citrinum* (Hoffm.) A. Massal., *Caloplaca citrina* f. *citrina* (Hoffm.) Th. Fr., *Caloplaca citrina* var. *citrina* (Hoffm.) Th. Fr., *Caloplaca citrinella* (Hoffm.) Hepp, *Caloplaca incrustans* var. *citrina* (Hoffm.) B. de Lesd., *Lecanora citrina* (Hoffm.) Ach., *Lecidea citrina* (Hoffm.) D. Dietr., *Lichen citrinus* (Hoffm.) Ach., *Parmelia citrina* (Hoffm.) Ach., *Parmelia citrina* var. *citrina* (Hoffm.) Ach., *Placodium citrinum* (Hoffm.) Hepp, *Placodium citrinum* f. *citrinum* (Hoffm.) Th. Fr., *Placodium citrinum* var. *citrinum* (Hoffm.) Th. Fr., *Placodium citrinum* var. *vulcanica* Räsänen, *Pyrenodesmia citrina* (Hoffm.) Trevis., *Verrucaria citrina* Hoffm.]

Rarity Ranking: G4, S unranked (S4?), L2

Thallus crustose, areolate to subsquamulose, yellow-orange. Apothecia rare, lecanorine, orange. Substrate: on wood, bark, bryophytes, rocks.

VENTURA CO.: Santa Paula Canyon, 6.7 miles N of Santa Paula along SR150 (I. Taveres 1269a S); Peirpont Bay, San Buenaventura State Beach (G.B. Perlmutter 3733 NCU); Santa Monica



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Mountains (*H.E. Hasse sn 1906 OS*), Deals Flat on Beltrami property (*Knudsen & Magney 5629 SBBG*); Anacapa Islands, East Anacapa Island at W end (*K. Knudsen & L. Knudsen 5305 FH/UCR*); San Nicolas Island.

Also known from Calaveras, Colusa, Humboldt, Kern, Los Angeles, Marin, Mendocino, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Sutter, Tulare, Tuolumne, and Yolo Counties.

***Flavopunctelia flaventior* (Stirton) Hale – Speckled Greenshield Lichen – Parmeliaceae**

[*Parmelia andreana* Müll. Arg., *Parmelia andreana* f. *andreana* Müll. Arg., *Parmelia andreana* var. *andreana* Müll. Arg., *Parmelia andreana* var. *isidiata* Beschel, *Parmelia flaventior* Stirt., *Parmelia flaventior* var. *flaventior* Stirt., *Parmelia flaventior* var. *isidiata* (Beschel) Grunmann, *Parmelia kernstockii* Lynge & Zahlbr., *Punctelia flaventior* (Stirt.) Krog]

Rarity Ranking: G5, S unranked (S5?), L3

Thallus foliose, weakly appressed to tightly adnate, greenish yellow to yellow-green.

Apothecia rare, laminal, dark rusty-brown. Substrate: on rocks (all kinds), bark of hardwoods and bark and wood of conifers.



VENTURA CO.: Upper Ojai Valley, Dennison Park (*C. Bratt 1147, 1171, 1192 SBBG*); Ventura Hills, Aliso Canyon 3 miles N of Telegraph Road (*M. Cole 1216 US*); Conejo Mountains, N slope Conejo Mountain above Conejo Creek at 99 m (*J.C. Lendemer & K. Knudsen 11448 NY*), Long Grade Canyon at 70 m (*R. Riefner Jr. 20-252 SBBG*); Hidden Valley, on *Quercus agrifolia* & *Q. lobata* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (*K. Knudsen et al. 9623 UCR*), ~0.5 mile SW of Lake

Sherwood (*I. Tavares 547 ASU*); Santa Monica Mountains, top of Deer Creek at 407 m (*K. Knudsen 9623 SBBG*), Deals Flat on Beltrami property, Deals Flat on Calderon property on *Q. agrifolia* (*D. Magney 116-24 UCSB*); San Nicolas Island.

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Lake, Los Angeles, Madera, Marin, Mendocino, Merced, Monterey, Napa, Nevada, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Solano, Sonoma, Stanislaus, Sutter, Tuolumne, Yolo, and Yuba Counties.

***Gyalecta herrei* Vězda – Herre's Lichen – Gyalectaceae**



Rarity Ranking: G unranked, S unranked (S3?), L1; California endemic

Thallus crustose, epiphyloidal, dirty ochraceous or pale gray. Apothecia crowded, pale yellow to flesh colored or brown. Substrate: bark of dying trees.

VENTURA CO.: Santa Paula Ridge, Toland Road Landfill? (*C. Bratt sn SBBG*); Anacapa Islands, ¼ mile E of campground on West Anacapa Island (*C. Bratt 9181, 9216 SBBG*), West Anacapa Island at west end (*K. Knudsen 10883.1 UCR*).

Also known from Humboldt, Los Angeles, Marin, Mendocino, Monterey, Orange, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, and Sonoma Counties. Photo by Troy McMullin.

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***Gyalolechia bracteata* (Hoffm.) A. Massal. – Bract-like Firedot Lichen – Teloschistaceae**

[*Amphiloma bracteatum* (Hoffm.) Körb., *Berengeria bracteata* (Hoffm.) Trevis., *Caloplaca bracteata* (Hoffm.) Jatta, *Caloplaca bracteata* f. *bracteata* (Hoffm.) Jatta, *Caloplaca bracteata* var. *bracteata* (Hoffm.) Jatta, *Fulgensia bracteata* (Hoffm.) Räsänen, *Fulgensia bracteata* ssp. *bracteata*, *Fulgensia bracteata* var. *bracteata* (Hoffm.) Räsänen, *Lecanora bracteata* (Hoffm.) Röhl., *Lichen bracteatus* (Hoffm.) Ach., *Placodium bracteatum* (Hoffm.) Nyl., *Placodium fulgens* var. *bracteatum* (Hoffm.) Müll.Arg., *Psora bracteata* Hoffm., *Sporoblastia bracteata* (Hoffm.) Trevis., *Squamaria bracteata* (Hoffm.) H. Olivier]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, episubstratal, squamulose, yellowish, dull. Ascomata orange. Substrate: soil, clay, humus, turf, detritus, bryophytes.

VENTURA CO.: San Nicolas Island (*T. Nash 38927* ASU).

Also known from Inyo, Riverside, and San Bernardino Counties. Photo by Stephen Sharnoff.



***Gyalolechia desertorum* (Tomin) Søchting, Frödén & Arup – Desert Firedot Lichen – Teloschistaceae**

[*Fulgensia desertorum* (Tomin) Poelt, *Fulgensia desertorum* f. *desertorum* (Tomin) Poelt, *Placodium desertorum* Tomin]



Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, yellow or orange, covered with whitish prunina. Apothecia common, smooth, brighter than thallus. Substrate: soil and eroding sediments in xeric habitats.

VENTURA CO.: San Nicolas Island, below Twin Towers on bluff edge on southern side (*C. Bratt 7877* SBBG).

Also known from San Bernardino and Santa Barbara Counties. Photo by Stephen Sharnoff.

***Gyalolechia persimilis* (Wetm.) Søchting, Frödén & Arup – Look-alike Firedot Lichen - Teloschistaceae**

[*Caloplaca persimilis* Wetm.]

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, continuous or areolate, yellowish orange, pruinose. Apothecia lecanorine, dark reddish orange. Substrate: wood or bark.

VENTURA CO.: Conejo Mountains, Conejo Mountain (*C.M. Wetmore 92-101* ASU) along Los Robles Tr (*R. Riefner Jr 92-101* WIS); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (*K. Knudsen et al. 9660* UCR); Santa Monica Mountains, Point Mugu State Park in Wood Canyon at 122 m (*K. Knudsen 11565* SBBG).

Also known from Contra Costa, Monterey, Napa, Orange, Riverside, Sacramento, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Sonoma Counties.



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Hyperphyscia adglutinata (Flörke) H. Mayrth. & Poelt – Grainy Shadow-crust Lichen – Physciaceae

[*Dimelaena adglutinata* (Flörke) Trevis., *Hagenia adglutinata* (Flörke) Bagl. & Carestia, *Hagenia elaeina* (Sm.) Bagl., *Hyperphyscia adglutinata* var. *adglutinata* (Flörke) H. Mayrhofer & Poelt, *Imbricaria adglutinata* (Flörke) Chevall., *Parmelia adglutinata* (Flörke) Flörke, *Parmelia obscura* var. *adglutinata* (Flörke) Schaer., *Physcia adglutinata* (Flörke) Nyl., *Physcia adglutinata* f. *adglutinata* (Flörke) Nyl., *Physcia adglutinata* f. *sorediata* Nyl., *Physcia adglutinata* subsp. *adglutinata* (Flörke) Nyl., *Physcia adglutinata* var. *adglutinata* (Flörke) Nyl., *Physcia adglutinata* var. *lepraeformis* (Flörke) Zahlbr., *Physcia elaeina* (Sm.) A.L. Sm., *Physcia elaeina* f. *albida* B. de Lesd., *Physcia elaeina* f. *elaena* (Sm.) A.L. Sm., *Physcia elaeina* f. *pyrithrocardia* (Müll. Arg.) J.W. Thomson, *Physcia elaeina* f. *tenuissima* Nád., *Physcia elaeina* var. *elaena* (Sm.) A.L. Sm., *Physcia elaeina* var. *subvirella* Nyl., *Physciopsis adglutinata* (Flörke) M. Choisy, *Physciopsis elaeina* (Sm.) Poelt, *Physciopsis elaeina* var. *elaena* (Sm.) Poelt, *Physciopsis elaeina* var. *pyrithrocardia* (Müll. Arg.) D.D. Awasthi & Kr.P. Singh, *Squamaria elaeina* (Sm.) Hook., *Xanthoria adglutinata* (Flörke) Horw., *Xanthoria adglutinata* f. *adglutinata* (Flörke) Horw., *Xanthoria adglutinata* f. *sorediata* (Nyl.) Horw.]

Rarity Ranking: G4, S unranked (S4?), L2

Thallus foliose, very tightly adnate, gray-brown to brown or dark brown. Apothecia rare, 1 mm in diameter. Substrate: bark, wood.

VENTURA CO.: North Fork Matilija Canyon, Wheeler Springs (*M. Cole* 1260 WIS/US); Topatopa Mountains, upper Sisar Canyon 1 mile N of Summit (*M. Cole* 1246 US); Ojai Valley, Lake Casitas (*S.C. Tucker* 32272 SBBG), along SR33 at Meiners Oaks (*M. Cole* 1308 WIS); Santa Clara River Valley, Santa Clara River bottom 3 miles W of Castaic Junction (*M. Cole* 1301 MIN/WIS); Conejo Valley, Wildwood Mesa (*L. Ross* 406 ASU); Hidden Valley, Ash property at 1430 Hidden Valley Road in oak woodland above corrals at 362 m (*K. Knudsen et al.* 9676 UCR); San Nicolas Island.

Also known from Alameda, Contra Costa, Humboldt, Kern, Los Angeles, Marin, Monterey, Orange, Riverside, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Solano, and Sonoma Counties. Photo by Stephen Sharnoff



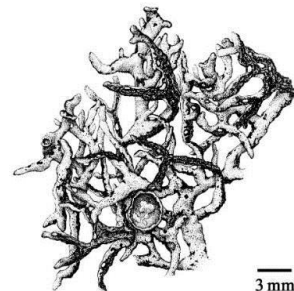
Hypogymnia gracilis McCune – Slender Tube Lichen - Parmeliaceae

Rarity Ranking: G2, S unranked (S3?), L1

Thallus foliose, suberect, lobe tips often upturned, cartilaginous, white to greenish gray. Apothecia common, brown to dark brown. Substrate: bark of shrubs, conifers, and hardwoods.

VENTURA CO.: Chuchupate Valley, along Mill Valley Road (*C. Bratt* 11665, 11678 SBBG); Topatopa Mountains, on *Adenostoma fasciculatum* at head of Wilsie Canyon (*C. Bratt* 1058 SBBG).

Also known from El Dorado, Glenn, Los Angeles, Marin, Mendocino, Monterey, Napa, Riverside, San Diego, San Luis Obispo, Santa Barbara, and Santa Cruz Counties.



Hypogymnia imshaugii Krog – Forked Tube Lichen - Parmeliaceae

Rarity Ranking: G5, S unranked (S5?), L3

Thallus foliose, erect to suberect, cartilaginous, white to greenish gray or brown. Apothecia common, light brown to dark red brown. Substrate: on bark or wood.

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VENTURA CO.: Cuyama Badlands, Quatal Canyon at 1250 m (C. Coon sn 6-Nov-2001



OSU); San Emigdio Mountains, Cowhead Potrero (C. Bratt 4531, 4565 SBBG); Chuchupate Valley, along Mill Valley Road (C. Bratt 11677, 11678 SBBG); Lockwood Valley (C. Bratt 7837 SBBG); San Guillermo Mountain, along Mutau Flat Road 1.7 miles S of Lockwood Valley Road (C. Bratt 4612 SBBG); Pine Mountain Ridge (C. Bratt 4608 SBBG), N of Reyes Peak Road W of Pine Mountain Campground at 1976 m (B. McCune 28595 OSU), Pine Mountain Campground (C. Bratt 5354 SBBG);

Topatopa Mountains, on *Adenostoma fasciculatum* at head of Wilsie Canyon (C. Bratt 1059 SBBG).

Also known from Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Los Angeles, Madera, Mendocino, Modoc, Monterey, Napa, Nevada, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Shasta, Sierra, Siskiyou, Solano, Tehama, Trinity, Tulare, Tuolumne, and Yuba Counties.

Kaernefeltia merrillii (DuRoi) Thell & Goward – Flattened Thornbush Lichen – Parmeliaceae

[*Cetraria merrillii* Du Rietz, *Tuckermannopsis merrillii* (Du Rietz) Hale, *Tuckermanopsis merrillii* (Du Rietz) Hale]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus foliose, rarely subfruticose, olive-brown to greenish black. Apothecia frequent, dark olivaceous brown. Substrate: bark or wood.

VENTURA CO.: Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1055 SBBG).

Also known to occur in Alameda, Amador, Butte, Colusa, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Lassen, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.



Kuettlingeria atroflava (Turner) I.V. Frolov, Vondrák & Arup. – a Firedot Lichen –

Teloschistaceae

[*Calloplisma atroflavum* (Turner) Arnold, *Caloplaca atroflava* (Turner) Mong., *Caloplaca atroflava* var. *atroflava* (Turner) Mong., *Caloplaca atroflava* var. *submersa* (Nyl.) H. Magn., *Caloplaca pyracea* f. *submersa* (Nyl.) Boistel, *Caloplaca turneriana* (Ach.) H. Olivier, *Lecanora atroflava* (Turner) Cromb., *Lecanora pyracea* f. *submersa* Nyl., *Lecanora turneriana* (Ach.) Nyl., *Lecidea atroflava* Turner, *Lecidea turneriana* Ach., *Lichen atroflavus* (Turner) Sm., *Placodium atroflavum* (Turner) A.L. Sm., *Placodium pyraceum* f. *submersum* (Nyl.) A.L. Sm., *Placodium turnerianum* (Ach.) A.L. Sm., *Pyrenodesmia atroflava* (Turner) Kondr.]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, areolate, black. Apothecia lecanorine, dark reddish orange to orange. Substrate: non-calcareous rocks.



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By David L. Magney

VENTURA CO.: Simi Valley, Rocky Point Park on sandstone outcrop (*C. Bratt 11318, 11328, 11360 SBBG*); Santa Monica Mountains, N side of Party Rock at 698 m (*K. Knudsen 5151.2 UCR*).

Also known to occur in Los Angeles, Mendocino, Riverside, San Bernardino, San Luis Obispo, and Santa Barbara Counties.

Lecania brunonis (Tuck.) Herre – Brown Rim Lichen - Ramalinaceae

[*Lecanora brunonis* Tuck.]

Rarity Ranking: G4, S unranked (S4?), L2

Thallus crustose to squamulose, grayish to yellowish brown to red-brown or dark brown.

Apothecia broadly sessile, deep or dark brown or dark grayish brown. Substrate: siliceous rock.

VENTURA CO.: Santa Susana Mountains, Pioneer Summit (*W.A. Weber & R. Santesson sn 11-Apr-1966 ASU*); Conejo Mountains, W Potrero Rd near Lewis Rd at 500 m (*R.E. Riefner 92-195 ASU*), N slope Conejo Mountain above Conejo Creek at 99 m (*K. Knudsen 4033 UCR*); Santa Monica Mountains, Point Mugu State Park at 6 m (*K. Knudsen 4063.1 UCR*), Deals Flat on Beltrami property (*Knudsen & Magney 5609 SBBG*); West Anacapa Island (*T.H. Nash III 37092 ASU*); San Nicolas Island, S side at 71 m (*K. Knudsen 16731, 16732 UCR*).

Also known from Alameda, Amador, Calaveras, Contra Costa, El Dorado, Los Angeles, Marin, Monterey, Orange, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, and Tulare Counties. Photo by Stephen Sharnoff.



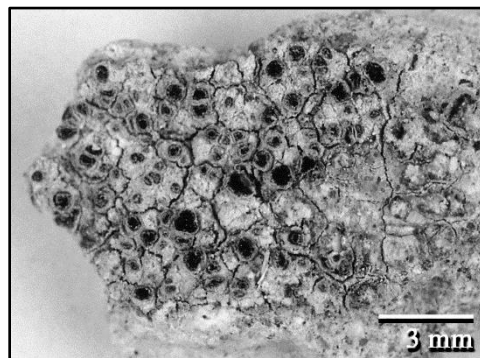
Lecania chalcophila B.D. Ryan & van den Boom – Copper Rim Lichen - Ramalinaceae

Rarity Ranking: G unranked, S unranked (S1?), L1, California endemic.

Thallus crustose, areolate to rimose-areolate, white, smooth. Apothecia frequent, adnate, black-brown to black. Substrate: soft calcareous outcrops.

VENTURA CO.: San Nicolas Island, N side at base of L Canyon near road (*C. Bratt 7950B SBBG*).

Also known from Kern County. Photo by Bruce Ryan.



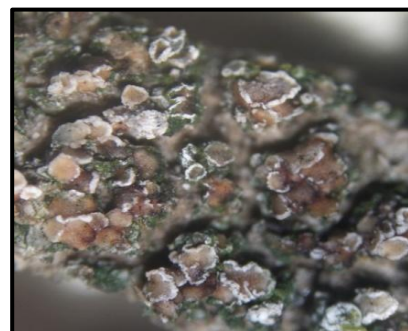
Lecania cyrtella (Ach.) Th. Fr. – Gray Rim Lichen - Ramalinaceae

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, very thin, pale to dirty gray-green or white. Apothecia numerous, pale or sordid red, pale yellow, pale pink, reddish brown, or almost black.

Substrate: nutrient-rich bark.

VENTURA CO.: Santa Monica Mountains, Point Mugu State Park along Chumash Trail at 180 m (*K. Knudsen 3999 UCR*), Big Sycamore Canyon (*M. Cole 1305 SBBG*), Deals Flat on Beltrami property (*K. Knudsen & D. Magney*



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5613 UC); San Nicolas Island, along Wilong Road at 50 m (*T.H. Nass III sn 7-Jan-1995* ASU).

Also known from Alameda, Contra Costa, El Dorado, Humboldt, Los Angeles, Monterey, Orange, Riverside, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, and Sonoma Counties. Photo by Jason Hollinger 2008.

***Lecania fuscella* (Schaer.) A. Massal. – Dusky Rim Lichen – Ramalinaceae**

[*Lecania syringea* (Ach.) Th. Fr., *Lecanora fuscella* (Schaer.) A. Massal., *Lecanora syringea* (Ach.) Hue, *Parmelia hagenii* var. *syringea* Ach., *Parmelia pallida* var. *fuscella* Schaer., *Patellaria fuscella* (Schaer.) Körb.]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, thin, areolate-granular, effuse, rarely granular-scruffy, contains numerous coarse crystal clusters, to 0.4 mm thick, whitish gray, sometimes slightly ochraceous, glaucous white or pale grayish brown. Apothecia dispersed or grouped, disc pale brown, pinkish brown, yellowish red, then becoming brown to brown-black. Substrate: on trunks or branches of trees with neutral bark, *Acer*, *Fraxinus*, *Populus*, *Sambucus*, *Ulmus*.



VENTURA CO.: Anacapa Islands, East Anacapa Island on W end near loop trail at 67 m (*K. Knudsen 5308 NY*); San Nicolas Island.

Also known from Los Angeles Counties. Photo by Jason Hollinger.

***Lecania naegelii* (Hepp) Diederich & van den Boom – Scruffy Rim Lichen - Ramalinaceae**

[*Bacidia naegelii* (Hepp) Zahlbr., *Bacidia naegelii* f. *cervinocincta* Erichsen, *Bacidia naegelii* f. *naegelii* (Hepp) Zahlbr., *Bacidia naegelii* f. *pallenscens* (Anzi) Grunmann, *Bacidia naegelii* f. *vacillans* (Nyl.) Zahlbr., *Biatra naegelii* Hepp, *Bilimbia naegelii* (Hepp) Kremp., *Bilimbia sphaeroides* var. *naegelii* (Hepp) Boistel, *Buellia naegelii* (Hepp) McClatchie, *Lecaniella naegelii* (Hepp) S.Y. Kondr., *Lecanora naegelii* (Hepp) Nyl., *Lecidea naegelii* (Hepp) Stizenb., *Lecidea naegelii* var. *naegelii* (Hepp) Stizenb., *Lecidea naegelii* var. *vacillans* (Nyl.) Vain., *Patellaria naegelii* (Hepp) Müll.Arg., *Sporoblastia naegelii* (Hepp) Trevis., *Weitenwebera naegelii* (Hepp) Poetsch]

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, thin, scruffy granulose, pale green-gray, ashy or white or pale brown-gray. Apothecia in small groups, whitish, blue-gray, gray-brown to black. Substrate: on nutrient-rich bark.



VENTURA CO.: Santa Monica Mountains, on *Malacothamnus fasciculatum* in Sycamore

Canyon, Point Mugu State Park at 34°8'10"N by 119°0'15"W at 213 m (*K. Knudsen & T. Sagar 11125 UCR*), along Chumash Trail at 180 m (*K. Knudsen 3997.2 UCR*), hills between Sycamore and Wood Canyons at 213 m (*K. Knudsen 11225 UCR*); San Nicolas Island, L Canyon (*C. Bratt 7935 SBBG*), mesa edge of Celery Canyon (*R. Reese Naesborg 2426a SBBG*).

Also known from Alameda, Del Norte, Los Angeles, Marin, Monterey, Orange, San Diego, San Luis Obispo, Santa Barbara, Santa Cruz, and Siskiyou Counties. Photo by Andrew Khitsun.

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By David L. Magney

***Lecania rabenhorstii* (Hepp) Arnold – Rabenhorst's Rim Lichen - Ramalinaceae**

[*Biatora rabenhorstii* (Hepp) Rabenh., *Biatorina proteiformis* var. *rabenhorstii* (Hepp) A. Massal., *Biatorina rabenhorstii* (Hepp) A. Massal., *Lecania erysibe* var. *rabenhorstii* (Hepp) Mudd, *Lecaniella rabenhorstii* (Hepp) Jatta, *Lecanora rabenhorstii* (Hepp) Stizenb., *Patellaria rabenhorstii* Hepp, *Sporoblastia rabenhorstii* (Hepp) Trevis.]

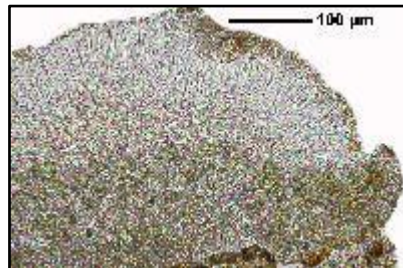
Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, very thin, areolate, yellowish brown to brownish gray, prothallus pale brown. Apothecia numerous, pale yellowish brown to brownish back.

Substrate: various rocks.

VENTURA CO.: San Nicolas Island (*H. Hasse s.n.* ASU).

Also known from Los Angeles and Santa Barbara Counties.



***Lecanographa dimelaenoides* (Egea & Torrente) Egea & Torrente – Dimelaena-like Scribble Lichen – Lecanographaceae**

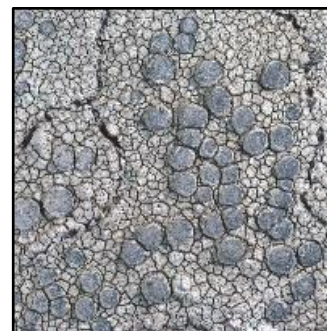
[*Lecanactis dimelaenoides* Egea & Torrente]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, areolate, whitish gray or gray, smooth or slightly granulose. Apothecia numerous, black. Substrate: volcanic rock in coastal areas.

VENTURA CO.: Anacapa Islands, West Anacapa Island above Rat Island (*K. Knudsen 10650, 10653* UCR); East Anacapa Island near lighthouse (*K. Knudsen 10737* UCR); San Nicolas Island (*T. Nash 38754* ASU), end of Theodolite Road at 225 m (*K. Knudsen 16766* UCR), near Daytona Beach (*K. Knudsen 16743* UCR).

Also known from Los Angeles, Marin, and Santa Barbara Counties. Photo by Stephan Sharnoff.



***Lecanographa subdryophila* (Follmann & Vězda) Egea & Torrente – Dry Wood Scribble Lichen – Lecanographaceae**

[*Lecanactis subdryophila* Follmann & Vězda]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, epiphyloidal, rimose to areolate, white, surrounded by black prothalline. Ascomata rounded to somewhat irregular, black. Substrate: on bark.

VENTURA CO.: San Nicolas Island (*B. Trask s.n.* ASU), on redwood lighthouse at Dutch Harbor (*R. Reese Naesborg 2404a* SBBG), Tule Creek (*R. Reese Naesborg 2406a, 2211a* SBBG).

Also known from Los Angeles and Santa Barbara Counties.

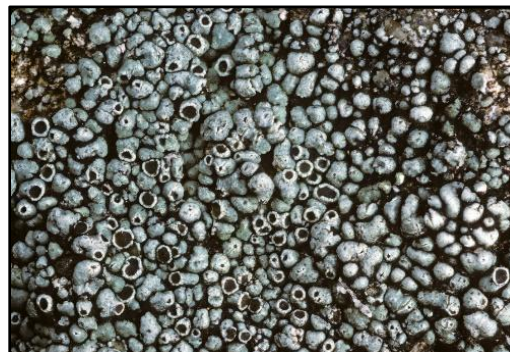


***Lecanora argopholis* (Ach.) Ach. – Varying Rim Lichen – Lecanoraceae**

[*Lecanora argopholis* f. *argopholis* (Ach.) Ach., *Lecanora argopholis* f. *grisea* Čern., *Lecanora argopholis* f. *viridis* Čern., *Lecanora blyttii* (Fr.) Schaer., *Lecanora frustulosa* f. *grisea* (Cern.) Zahlbr., *Lecanora frustulosa* f. *musciicola* Tomin, *Lecanora frustulosa* f. *viridis* (Cern.) Zahlbr., *Lecanora frustulosa* var. *argopholis* (Ach.) Fr., *Lecanora frustulosa* var. *candida* Cretz., *Lecanora frustulosa* var. *occidentalis* Lynge, *Lecanora frustulosa* var. *subventosa* Nyl., *Lecanora frustulosa* var. *thiodes* (Spreng.) Link, *Lecanora occidentalis* (Lynge) Lynge, *Lecanora oregana* Tuck., *Lecanora sarcopsis* f. *saxicola* Nyl. ex Norrlin, *Lecanora subventosa* (Nyl.) Nyl., *Lecanora thiodes* Spreng., *Lichen argopholis* (Ach.) Wahlenb., *Parmelia atra* var. *argopholis* Ach., *Parmelia blyttii* Fr., *Parmelia oreina* var. *macropsis* D. Dietr., *Schistoplaca argopholis* (Ach.) Brusse]

Rarity Ranking: G5, S unranked (S4?), L2

Thallus crustose, variable, verrucose-areolate to distinctly lobed, gray to pale yellow or yellow-



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green. Apothecia red-brown to black. Substrate: rock, sometimes on moss or detritus. VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1196 SBBG).

Also known from Inyo, Los Angeles, Madera, Marin, Mono, Monterey, Orange, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Clara, Siskiyou, and Sonoma Counties. Photo by Stephen Sharnoff.

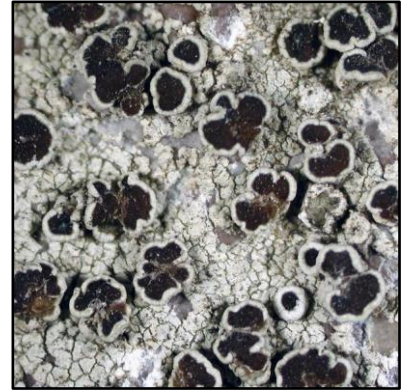
Lecanora campestris (Schaer.) Hue – Flat Rim Lichen - Lecanoraceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, continuous or verrucose-areolate, yellowish white to yellowish gray or whitish gray to gray. Apothecia lecanorine, red-brown, plane. Substrate: soil or siliceous or calciferous rocks.

VENTURA CO.: Matilija Canyon, 3.5 miles W of Matilija Hot Springs (W. Weber S-1034 ASU); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10407 SBBG); Ventura Hills, Harmon Canyon Preserve along Harmon Creek at 280 m (R. Reese Naesborg 2737 SBBG); Anacapa Islands, West Anacapa Island on plateau on south side (K. Knudsen 10758 UCR).

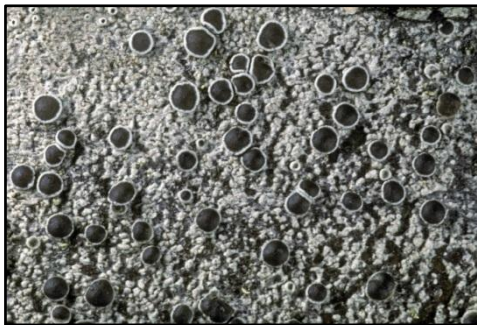
Also known from Colusa, Contra Costa, Los Angeles, Marin, Mendocino, Monterey, Riverside, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, and Sonoma Counties. Photo by Nora Wirtz.



Lecanora circumborealis Brodo & Vitik. – Black-eyed Rim Lichen - Lecanoraceae

Rarity Ranking: G5, S unranked (S4?), L1

Thallus crustose, continuous or dispersed-areolate, yellowish white to yellowish gray or whitish gray to gray. Apothecia lecanorine, brown or dark brown to blackish brown or gray-brown. Substrate: bark, mostly of conifers.



VENTURA CO.: Sulphur Mountain, UNOCAL property (C. Bratt 11297 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (K. Knudsen et al. 9627 UCR), Lake Sherwood District (W. Eyerdam 2099 MIN).

Also known from Kern, Lake, Los Angeles, Madera, Marin, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo,

Santa Barbara, Santa Clara, Santa Cruz, Sierra, Siskiyou, Sonoma, Trinity, and Tuolumne Counties. Photo by Stephen Sharnoff.

Lecanora confusa Almb. – Bumpy Rim Lichen - Lecanoraceae

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus crustose, granular-warted forming a rimose-areolate crust, light gray to beige or ochre, dull. Apothecia light orange-brown to pinkish ochre. Substrate: tree bark or wood in coastal areas.

VENTURA CO.: Ojai Valley, on *Baccharis pilularis* ssp. *consanguinea* at Lake Casitas (S.



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Tucker 32269, 32271 ASU/SBBG); Upper Ojai Valley, Dennison Park (C. Bratt 1190 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen et al. 9671 UCR); Santa Monica Mountains, on *Malosma laurina* in Wood Canyon, Point Mugu State Park, Ranch Center Road on Hidden Pond Trail near water tank on ridge between Wood and Sycamore Canyons - 34°8'2"N, 119°0'37"W at 212 m (K. Knudsen et al. 11549 UCR), 0.8 km SW of Lake Sherwood (I. Tavares 544 ASU). Often on bark of *Malosma laurina*.

Also known from Amador, Contra Costa, El Dorado, Humboldt, Lake, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Napa, Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Sonoma, and Trinity Counties.

Photo by Stephen Sharnoff.

***Lecanora expallens* Nyl. – Pale Rim Lichen – Lecanoraceae**

[*Lecanora conizaea* (Ach.) Nyl., *Lecanora conizaea* f. *conizaea* (Ach.) Nyl., *Lecanora conizaea* f. *variola* Arnold, *Lecanora conizaea* var. *conizaea* (Ach.) Nyl., *Lecanora conizaea* var. *conizaeoides* (Nyl. ex Cromb.) A.L. Sm., *Lecanora expallens* var. *conizaea* Ach., *Lecidea expallens* (Ach.) Borrer, *Lepraria expallens* (Ach.) Fr., *Rinodina conizaea* (Ach.) Nyl.]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus crustose, endosubstratal, leprose, thin, green or pale yellow, rarely deep yellow or green with a blue or gray tinge, protothallus distinct,

white or rarely tinged blue. Apothecia lecanorine, sparse, dull yellow. Substrate: on bark and wood of shrubs.



VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1190 SBBG); San Nicolas Island, Humphrey's Sump Area at 102 m (R. Reese Naesborg 2207c, 2209c SBBG).

Also known from El Dorado, Humboldt, Los Angeles, Marin, Mendocino, Monterey, Orange, Riverside, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Tuolumne Counties. Photo by Andre Aptroot.

***Lecanora gangaleoides* Nyl. – Knotted Rim Lichen – Lecanoraceae**

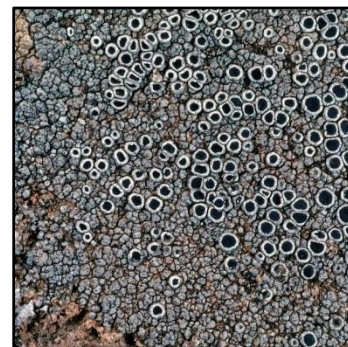
[*Lecanora atrynea* var. *melacarpa* Nyl., *Lecanora subfusca* f. *melacarpa* (Nyl. ex Cromb.) Leight.]

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus crustose, rimose-areolate or verrucose-areolate. Apothecia lecanorine, dark brown to blackish brown. Substrate: exposed siliceous rocks.

VENTURA CO.: Hidden Valley at 1430 Hidden Valley Rd at 355 m (K. Knudsen et al. 9678 PRM/SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5628 SBBG); West Anacapa Island at 250 m (T.H. Nash III 37095, 37096 ASU); San Nicolas Island, between NAVFAC Road & beach (S.C. Tucker 33685 SBBG).

Also known from Alameda, Alpine, Contra Costa, El Dorado, Humboldt, Los Angeles, Marin, Merced, Mono, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Sierra, Solano, Sonoma, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.



***Lecanora impudens* Degel. – Bold Rim Lichen – Lecanoraceae**

[*Lecanora chloropolia* (Erichsen) Almb., *Lecanora chloropolia* f. *cana* (Erichsen) Grummann, *Lecanora chloropolia* f. *chloropolia* (Erichsen) Almb., *Lecanora chloropolia* f. *maculata* Erichsen]

Rarity Ranking: G5, S unranked (S1?), L2

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Thallus crustose, continuous or verrucose-areolate, yellowish white to yellowish gray or whitish gray to gray, smooth or rough. Apothecia sessile or adnate, lecanorine, red-brown. Substrate: bark of deciduous trees.

VENTURA CO.: Santa Monica Mountains, on *Malacothamnus fasciculatus* in upper La Jolla Valley in Point Mugu State Park - 34°6'37"N, 119°01'46"W at 270 m (K. Knudsen et al. 11573 UCR).

Also known from Humboldt, Santa Cruz, and Santa Barbara Counties. Photo by Troy McCullin.



Lecanora mellea W. Weber – Honey-colored Rim Lichen - Lecanoraceae

Rarity Ranking: G unranked, S unranked (S5?), L2

Thallus crustose, placodoid, often forming neat rosettes, various shades of red to yellow or olivaceous brown to pale gray, yellow, or white, dull to shiny; prothallus absent or vestigial and black. Apothecia few, pale to dark reddish to yellowish brown. Substrate: shaded to open areas on granite or volcanic rocks.

VENTURA CO.: Frazier Mountain, along Forest Service Rte 8N04 at 2320 m (K.M. Kellman 8678 KELLMAN); Upper Piru Creek, Thorn Meadows (C. Bratt 6041b SBBG); Pine Mountain Ridge, head of Chorro Grande Trail at Reyes Peak Road (S. Sharnoff 950.24 UCR); Upper Sespe Creek, Derrydale Creek at Sespe Gorge (C. Bratt 5033 SBBG); Ojai Valley, Ventura River S of Santa Ana Blvd bridge at 37 m (G. Perlmutter NCU); Santa Monica Mountains, near summit of Santstone Peak at 921 m (K. Knudsen 8466 PH/UCR), Tri-Peaks at 870 m (K. Knudsen 8487 UCR).



Also known from Alameda, Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Inyo, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Mono, Monterey, Nevada, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Mateo, Santa Barbara, Santa Cruz, Shasta, Sierra, Siskiyou, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yuba Counties. Photo by Frank Bungartz.

Lecanora pacifica Tuck. – Pacific or Multi-colored Rim Lichen – Lecanoraceae

[*Lecanora tetraspora* H. Magn.]

Rarity Ranking: G4, S unranked (S5?), L3

Thallus crustose, continuous or verrucose-aeriolate, yellowish white to yellowish gray or whitish gray to gray. Apothecia lecanorine, brown or orange-brown. Substrate: bark of deciduous trees, sometimes on conifers.



VENTURA CO.: Cuyama Badlands, Ozena at SR33 & Lockwood Valley Road (C. Bratt 3298 US); Chuchupate Valley, Mill Valley Road (C. Bratt 11669 SBBG); Pine Mountain Ridge, Pine Mountain Campground at 1829 m (C. Bratt 5353 LSU); Sulphur Mountain, Wheeler Canyon on UNOCAL property

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(*C. Bratt 11297, 11306 SBBG*); Simi Hills, Wildwood at 100 m (*L. Ross 409, 411 ASU*); Hidden Valley, 1430 Hidden Valley Road next to corrals at 355 m (*K. Knudsen et al. 9627 UCR*); Santa Monica Mountains, N slope Clark Peak along Cotharin Road at 342 m (*K. Knudsen 18276 UCR*); Anacapa Islands, West Anacapa Island above Rat Rock at 28 m (*K. Knudsen 10659 UCR*); San Nicolas Island, living compound at 100 m (*J. Marsh 7784 ASU*), W of Borrow Pit (*C. Bratt 8205 SBBG*), near Twin Towers (*C. Bratt 11957 SBBG*), between N & S Spur Canyons at 38 m (*C. Bratt 12028 SBBG*).

Also known from Alameda, Amador, Butte, Calaveras, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Monterey, Napa, Orange, Riverside, San Bernardino, San Diego, San Francisco, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Tuolumne, and Yuba Counties. Photo by Stephen Sharnoff.

Lecanora varia (Hoffm.) Ach. – Varying Rim Lichen – Lecanoraceae

[*Lecanora varia* var. *denigrata* Mudd, *Patellaria varia* Hoffm.]

Rarity Ranking: G5, S unranked (S5?), L1
Thallus crustose, rimose-areolate, beige to ochre, somewhat glossy. Apothecia irregular, dull, white pruinose. Substrate: wood near sea level.
VENTURA CO.: Mount Pinos, top of Mount Abel [Kern County] (*C. Bratt 1086, 1098 US*); Upper Ojai Valley, Dennison Park (*C. Bratt 1188, 1189 SBBG*); Hidden Valley, 0.5 mile SW of Lake Sherwood (*I. Tavares 544 F/FH/MS*).

Also known from Amador, Butte, Contra Costa, El Dorado, Fresno, Humboldt, Kern, Los Angeles, Madera, Marin, Modoc, Monterey, Nevada, Plumas, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sonoma, Tulare, Yolo, and Yuba Counties. Photo by Shiela Strawn.

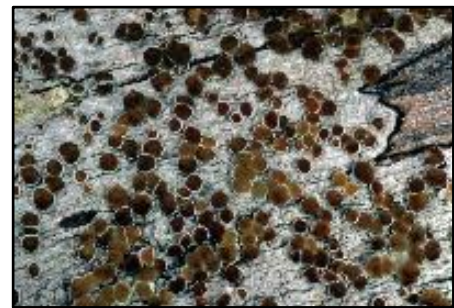


Lecanora xylophila Hue – Driftwood Rim Lichen – Lecanoraceae

[*Lecanora riparia* G. Merr. Non (Glot.) M. Stein]

Rarity Ranking: G3, S unranked (S1?), L1
Thallus crustose, episubstratal, grayish, whitish. Ascomata apothecial, reddish brown. Substrate: bark, cork, trunks, branches, twigs.
VENTURA CO.: San Nicolas Island, next to NAVFAC & in gullies behind Tranquility Beach (*T. Nash 38641 ASU*).

Also known from Point Reyes in Marin County. Photo by Stephen Sharnoff.



Lecidea atrobrunnea (Raymond ex Lam. & DC.) Shaer. – Brown Tile Lichen – Lecidiaceae

Rarity Ranking: G4, S unranked (S5?), L2

Thallus crustose, areolate, pale brown to dark reddish brown; prothallus black. Apothecia black or dark yellowish brown. Substrate: rock.

VENTURA CO.: Frazier Mountain, on schist above Forest Service Rte 8N04 at 2320 m (*K.M. Kellman 8677 Kellman*); Upper Piru Creek, Thorn Meadows on sandstone (*C. Bratt & E. Timdal 6041a SBBG*); Pine Mountain Ridge, summit at start of Chorro Grande Trail at 1830 m (*S. Sharnoff 952.21 ASU*); Santa Monica Mountains, below trail to Tri-Peaks at 829 m (*K. Knudsen 8492 PH*), near summit of Sandstone Peak (*K. Knudsen 8479 PH*).

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Also known from Alpine, Butte, Calaveras, Contra Costa, Del Norte, El Dorado, Fresno, Imperial, Inyo, Kern, Lake, Lassen, Los Angeles, Marin, Mariposa, Modoc, Mono, Nevada, Placer, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Cruz, Siskiyou, Tehema, Trinity, Toulumne, Tulare, and Yuba Counties.



Photos by Stephen Sharnoff.

Lecidea cruciaria Tuck. – Santa Cruz Island Tile Lichen – Lecidiaceae

Rarity Ranking: G unranked, S unranked (S3?), L1
Thallus lacking or inconspicuous, rimose, white (if present). Apothecia black. Substrate: non-calcareous pebbles and rock chips.

VENTURA CO.: North Fork Matilija Canyon
(Unknown sn Apr-1903 F).

SANTA BARBARA CO.: Santa Cruz Island [Type Locality].

Also known from Amador, Inyo, Los Angeles, Mariposa, San Benito, San Diego, San Luis Obispo, Santa Clara, Santa Cruz, and Sonoma Counties. Photo by Ken Kellman



Lecidea fuscoatra (L.) Ach. – Dusky Tile Lichen – Lecidiaceae

[*Biatora fumosa* (Hoffm.) Hepp, *Biatora livescens* (Leight.) Walt. Watson, *Lecidea cechumena* Ach., *Lecidea cechumena* var. *cechumena* Ach., *Lecidea fumosa* (Hoffm.) Ach., *Lecidea fumosa* f. *fumosa* (Hoffm.) Ach., *Lecidea fumosa* f. *symphicarpea* Hazsl., *Lecidea fumosa* var. *deusta*, *Lecidea fumosa* var. *fumosa* (Hoffm.) Ach., *Lecidea fumosa* var. *mosigii* Ach., *Lecidea fumosa* var. *nitida* Schaer., *Lecidea fumosa* var. *ocellulata* Schaer., *Lecidea fumosa* var. *polygonia* Flot., *Lecidea fuscoatra* f. *mosigii* (Ach.) Nyl., *Lecidea fuscoatra* (L.) Ach., *Lecidea livescens* Leight., *Lecidea prostratula* Stirt., *Lichen cechumenus* (Ach.) Sm., *Lichen cechumenus* var. *cechumenus* (Ach.) Sm., *Lichen fuscoater* L., *Patellaria fumosa* (Hoffm.) Hoffm., *Patellaria fuscoatra* (L.) DC., *Placodium fumosum* (Hoffm.) Link, *Psora fumosa* (Hoffm.) A. Massal., *Psora fumosa* var. *fumosa* (Hoffm.) A. Massal., *Psora fumosa* var. *turgida* Anzi, *Psora prostratula* (Stirt.) Walt. Watson, *Verrucaria fumosa* Hoffm.]

Rarity Ranking: G unranked, S unranked (S4?), L2

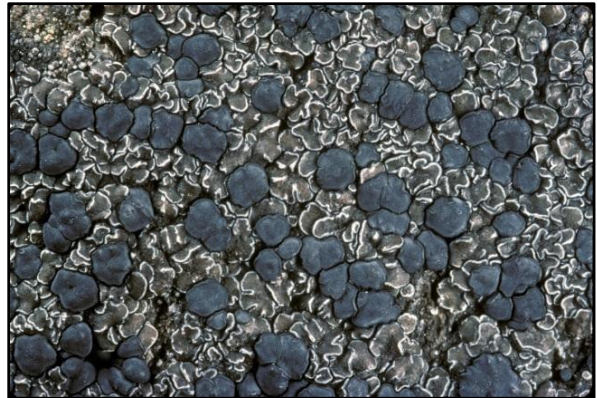
Thallus crustose, areolate, pale ochre to greenish ochre to reddish brown. Apothecia black. Substrate: open habitats on acidic rocks.

VENTURA CO.: Matilija Canyon (*H.E. Hasse* 899 MICH); Simi Valley, Rocky Pointe park (*C.C. Bratt* 11361 SBBG); Santa Monica Mountains, Mishe Mokwa Trail at 670 m (*K. Knudsen* 5647 SBBG/UC), Deals Flat on Beltrami property; West Anacapa Island on W side of summit at 250 m (*T.H. Nash III* 37116 ASU); San Nicolas Island S side at W end at 71 m (*K. Knudsen* 16747 SBBG).

Also known from Alpine, Butte, Calaveras, Contra Costa, Humboldt, Los Angeles, Marin, Mariposa, Monterey, Orange, Plumas, Riverside, San Benito, San Bernardino, San Mateo, Santa Clara, San Diego, San Luis Obispo, Santa Barbara, Siskiyou, Sonoma, and Tulare Counties.

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Photos by Stephen Sharnoff.

Lecidea fuscoatrina Hertel & Leuckert– Brown & Black Tile Lichen - Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus crustose to subsquamulose or squamulose, ochre to light brown. Apothecia black. Substrate: acid rock.

VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics on slope above State Route 23 near Lake Eleanor Dam at 34°8'12"N, 118°51'8"W - 297 m (K. Knudsen *et al.* 10704 NY/UCR). Usually at higher elevations in California.

Also known from Contra Costa, Los Angeles, Mariposa, Mendocino, Riverside, San Diego, and Tulare Counties. Photo by Bruce McCune.



Lecidea hassei Zahlbr. – Hasse's Tile Lichen – Stereocaulaceae



Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus endolithic, white. Apothecia black. Substrate: open habitats on granites, schist, and other acidic rocks.

VENTURA CO.: Matilija Canyon. 3.5 miles up at 500 m (W.A. Weber S-1032 ASU/COLO). Also known from Alpine, Amador, Fresno, Inyo, Los Angeles, Mono, Monterey, Riverside, San Bernardino, San Diego, Santa Barbara, and Siskiyou Counties.

Lecidea laboriosa Mull. Arg. – Working Tile Lichen – Stereocaulaceae

Rarity Ranking: G4, S unranked (S4?), L2
Thallus endolithic, scarcely epilithic, white, pale gray, or sand colored. Apothecia black. Substrate: open habitats on acidic rocks.

VENTURA CO.: Lockwood Valley, S end along Lockwood Valley Road near Grade Valley Road (C. Bratt 7288 SBBG); Upper Piru Creek, Mutau Flat on sandstone outcrop (C. Bratt 4615 SBBG);



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Upper Sespe Creek, Sespe Gorge on S-facing slope (C. Bratt 4130B SBBG); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10411, 10413, 10431 SBBG); Santa Monica Mountains, Sandstone Peak between Tri-Peaks & Backbone Trail at 829 m (K. Knudsen 8391 PH), along Mishe Mokwa Trail at 810 m (K. Knudsen 8504 PH). Photo by Stephen Sharnoff.

Also known from Calaveras, Contra Costa, Fresno, Inyo, Kern, Los Angeles, Madera, Marin, Mariposa, Monterey, Nevada, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Shasta, Solano, and Tulare Counties.

Lecidea lactea Flörke ex Schaer. – Ashy Tile Lichen – Stereocaulaceae

[*Biatora cyanea* (Ach.) Hepp, *Biatorina obsoleta* (Nyl.) Arnold, *Lecidea contigua* var. *cyanea* (Ach.) Schaer., *Lecidea cyanea* f. *lactea* (Flörke) Vain., *Lecidea cyanea* f. *polycarpa* (Flörke) Vain., *Lecidea lapicida* subsp. *cyanea* Ach., *Lecidea lapicida* var. *lactea* (Flörke) V. Wirth, *Lecidea lithophila* f. *cyanea* (Ach.) Nyl., *Lecidea obsoleta* Nyl., *Lecidea pammicta* Stirt., *Lecidea pantherina* (Ach.) Th. Fr., *Lecidea pantherina* f. *cyanea* (Ach.) Vain., *Lecidea polycarpa* Flörke ex Sommerf., *Lecidea polycarpa* f. *ecrustacea* (Bausch) Hellb., *Lecidea polycarpa* f. *oxydata* (Körb.) Anzi, *Lecidea polycarpa* f. *polycarpa* Flörke ex Sommerf., *Lecidea polycarpa* var. *composita* Vain., *Lecidea polycarpa* var. *polycarpa* Flörke ex Sommerf., *Lecidea symplecta* H. Magn., *Lecidella cyanea* (Ach.) Stein, *Lecidella lactea* (Flörke) Arnold, *Lecidella pantherina* (Hoffm.) Stein, *Lecidella polycarpa* (Flörke ex Sommerf.) Körb., *Lecidella polycarpa* f. *oxydata* Körb., *Lecidella polycarpa* f. *polycarpa* (Flörke ex Sommerf.) Körb., *Lecidella polycarpa* var. *polycarpa* (Flörke ex Sommerf.) Körb., *Patellaria cyanea* (Ach.) Flörke, *Patellaria lapicida* var. *pantherina* DC., *Patellaria pantherina* (Hoffm.) Hoffm., *Verrucaria pantherina* Hoffm.]

Rarity Ranking: G unranked, S unranked (S1?), L1
Thallus crustose, chinky or areolate, ashy, white, or rarely darker or orange. Apothecia black. Substrate: acid rocks in open habitats.



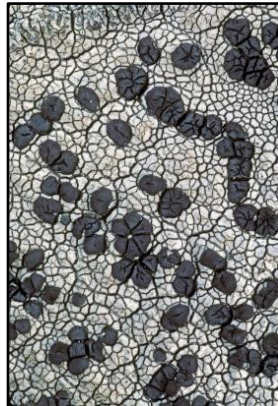
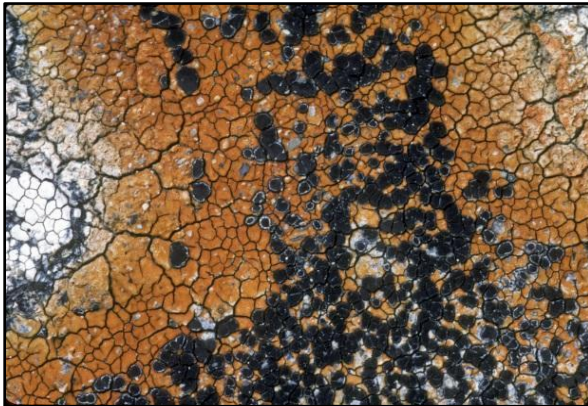
VENTURA CO.: North Fork Matilija Canyon (H.E. Hasse sn 1903 COLO). Also known from Los Angeles and Riverside Counties. Photo by Stephen Sharnoff.

Lecidea lapicida (Ach.) Ach. – Gray-orange Disk Lichen – Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S4?), L1
Thallus crustose, rimose to irregularly areolate; prothallus, when distinct, black. Apothecia black. Substrate: granites, schist, and other acidic rocks.

VENTURA CO.: Pine Mountain Ridge, ridgetop along Pine Mountain Road at 6000 ft (C. Bratt 5357, 5360 SBBG).

Also known from Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Inyo, Kern, Los Angeles, Marin, Mono, Monterey, Napa, Orange, Riverside, San Benito, San Mateo, Santa Barbara, Santa Cruz, Santa Clara, Sierra, Siskiyou, Sonoma, and Yuba Counties.



Photos by Stephen Sharnoff.

Ventura County Lichens: Annotated Checklist

By David L. Magney

Lecidea mannii Tuckerman – Mann’s Tile Lichen – Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S4?), L1
Thallus crustose, areolate to subsquamulose, pale ochre to pale brown; prothallus black. Apothecia black. Substrate: granites, schist, and other acidic rocks.

VENTURA CO.: Matilija Canyon, 3.5 miles W of Matilija Hot Springs at 1500 ft (W.A. Weber S-1032 COLO); North Fork Matilija Canyon (H. Hasse 870 FH); Santa Monica Mountains, near summit of Sandstone Peak at 921 m (K. Knudsen 8479 SBBG).

Also known from Alameda, Amador, Butte, Colusa, Contra Costa, El Dorado, Kern, Los Angeles, Madera, Marin, Mariposa, Orange, Placer, Riverside, San Benito, San Bernardino, San Diego, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Siskiyou, Solano, and Sonoma Counties. Photo by Bruce McCune.



Lecidea perlatolica Hertel & Leuckert – a Tile Lichen – Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S3?), L1
Thallus crustose, areolate, pale to medium brown to dark brown; prothallus black, black-green. Apothecia black. Substrate: acidic rocks in open habitats.

VENTURA CO.: Upper Piru Creek, Thorn Meadows on sandstone (C. Bratt & E. Timdal 6042 SBBG). Photo by Hollinger

Also known from El Dorado, Fresno, Inyo, Los Angeles, Mariposa, Mono, San Bernardino, Tulare, and Tuolumne Counties.



Lecidea truckeei Herre – Truckee Tile Lichen – Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, areolate, reddish brown. Apothecia black. Substrate: acid rocks.

VENTURA CO.: Russell Valley, S of Agoura Road at 875 ft (J.C. Lendemer & K. Knudsen 11459 NY). Photo by Hollinger

Also known from Los Angeles, Modoc, Riverside, San Bernardino, and San Diego Counties.



Ventura County Lichens: Annotated Checklist

By David L. Magney

***Lecidella asema* (Nyl.) Körb. – Ghost Disc Lichen – Lecanoraceae**

[*Lecidea alienata* Nyl., *Lecidea asema* Nyl., *Lecidea catalinaria* Stizenb., *Lecidea effugiens* Nilson, *Lecidea elaeochromoides* (Nyl.) Flagey, *Lecidea parasema* var. *elaeochromoides* Nyl., *Lecidea polyantha* Taylor ex Leight., *Lecidea subincongrua* Nyl., *Lecidea subincongrua* f. *elaeochromoides* (Nyl.) H. Magn., *Lecidea subincongrua* f. *subincongrua* Nyl., *Lecidea subincongrua* var. *elaeochromoides* (Nyl.) Poelt, *Lecidea subincongrua* var. *subincongrua* Nyl., *Lecidea vulgata* f. *effugiens* (Nilson) Zahlbr., *Lecidella asema* var. *elaeochromoides* (Nyl.) Nimis & Tretiach, *Lecidella elaeochromoides* (Nyl.) Knoph & Hertel, *Lecidella polyantha* Taylor ex Leight., *Lecidella subincongrua* var. *elaeochromoides* (Nyl.) Hertel & Leuckert, *Lithographa larbalestieri* Leight.]

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, strongly rimose to areolate, white, yellowish white, or yellowish green.

Apothecia black or hyaline to brown if damaged.

Substrate: soil, wood, bark, non-calciferous rocks.

VENTURA CO.: Conejo Mountains, N base of Conejo Mountain next to Conejo Creek (K.

Knudsen 4340 SBBG); Santa Monica Mountains,

Deals Flat on Beltrami property; West Anacapa Island above Rat Rock (*T.H. Nash III 37017* ASU) on W side of summit (*T.H. Nash III 37093, 37112* ASU); East Anacapa Island N of campground (K. Knudsen 5326 SBBG); San Nicolas Island at W end (*T.H. Nash III 38699* ASU).

Also known from Contra Costa, Humboldt, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Orange, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, and Sonoma Counties. Photo by Stephen Sharnoff.



***Lecidella scabra* (Taylor) Hertel & Leuckert – Rough Disc Lichen – Lecanoraceae**

[*Lecidea enteroclora* Taylor, *Lecidea parasema* var. *prasinula* Wedd., *Lecidea prasinula* (Wedd.) B. de Lesd., *Lecidea prasinula* f. *major* B. de Lesd., *Lecidea prasinula* f. *prasinula* (Wedd.) B. de Lesd., *Lecidea scabra* Taylor, *Lecidea scabra* f. *scabra* Taylor, *Lecidella prasinula* (Wedd.) Hertel 1980]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, strongly rimose to areolate, yellowish white to dirty grayish yellow. Apothecia black. Substrate: on non-calciferous rocks.

VENTURA CO.: Anacapa Islands, West Anacapa Island (*T. Nash 37061* ASU) on terrace at west end (K. Knudsen 10780 UCR).

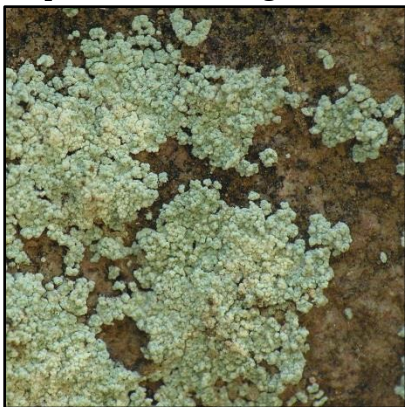
Also known from Contra Costa, Los Angeles, Riverside, San Luis Obispo, and Santa Barbara Counties.



***Lepraria texta* K. Knudsen, Elix & Lendemer – Woven Dust Lichen - Stereocaulaceae**

Rarity Ranking: G unranked, S unranked (S1?), L1. California endemic.

Thallus crustose, indeterminate, without lobes, usnic acid-derived green. Soredia irregularly shaped subcorticate granules. Substrate: sandstone, volcanic rock, and granite, often in humid microhabitats.



VENTURA CO.: Conejo Mountains, at 63 m (K. Knudsen 5127 UCR), Long Grade Valley on north slope above Conejo Creek (K. Knudsen 4306 NY/UC); Santa Monica Mountains (Knudsen 5127 UCR), N side of Party Rock at 698 m (K. Knudsen 5153 ASU/UCR, J. Lendemer & K. Knudsen 11499, 11500 NY), NW-facing slope along Yerba Buena Road (K. Knudsen 3699 UCR), S of Agoura Road at 267 m (J. Lendemer & K. Knudsen 11462 NY).

Also known to occur in Los Angeles, Orange, Riverside, and San Benito Counties. Photo by Rolf Muerter.

Ventura County Lichens: Annotated Checklist

By David L. Magney

Lepraria xerophila Tonsberg – Dry Dirt Dust Lichen – Stereocaulaceae

Rarity Ranking: G unranked, S unranked (S2?), L2
Thallus variable, crustose, rarely squamulose, whitish gray to pale yellowish gray, even to rough. Soredia few to absent, white. Substrate: dry soil, rarely on bare rock and wood in herblands, coastal scrub, and chaparral.

VENTURA CO.: Anacapa Islands, West Anacapa Island on plateau (*T.H. Nash III* 37069 ASU); San Nicolas Island, near NAFAC behind Tranquility Beach (*T.H. Nash III* 38686 ASU).

Also known from Los Angeles, Marin, Monterey, Orange, San Diego, San Francisco, San Luis Obispo, and Santa Barbara Counties. Photo by Frank Bungartz.

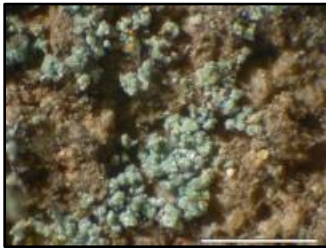


Leprocaulon adhaerens (K. Knudsen, Elix & Lendemer) Lendemer & Hodk. – Sticky Mealy Lichen – Leprocaulaceae

[*Lepraria adhaerens* K. Knudsen, Elix & Lendemer]

Rarity Ranking: G unranked, S unranked (S3?), L1. California endemic.

Thallus crustose, leprose, without lobes, diffuse, blue to lead-gray or bluish green. Soredia granules lumpy. Substrate: on soil and acidic or carbonate rock adhering to lichens and mosses.



VENTURA CO.: Santa Monica Mountains, Backbone Trail to Sandstone Peak at 774 m (*K. Knudsen* 8484 PH), Sandstone Peak between Tri-Peaks & Backbone Trail at 829 m (*K. Knudsen* 8395 UCR), S of Agoura Road at 267 m (*J. Lendemer & K. Knudsen* 11466 NY).

Also known from Kern, Los Angeles, Mariposa, Orange, Riverside, San Benito, San Bernardino, San Diego, Sonoma, and Tulare Counties. Photo by Bruce McCune.

Leprocaulon santamonicae (K. Knudsen & Elix) Lendemer & Hodk. – Santa Monica Mealy Lichen – Leprocaulaceae

[*Leparia santamonicae* K. Knudsen & Elix]

Rarity Ranking: G unranked, S unranked (S2?), L1. California endemic.

Thallus leprose, diffuse, without lobes, granules contiguous or dispersed; turquoise to dull blue-green or green. Soredia corticated granules. Substrate: soil and rocks, over mosses and other lichens, especially as pioneer on vertical sites exposed to rain on north and shaded slopes.

VENTURA CO.: Conejo Mountains, N-slope Conejo Mountain above Conejo Creek at 325 ft (*J.C. Lendemer & K. Knudsen* 11458 NY), Montclef Ridge (*R. Riefner* 99-275 ASU); Santa Monica Mountains, W of Deals Flat on Calderon property, Little Sycamore Canyon on NW slope along Yerba Buena Road (*K. Knudsen* 3691, 3692 NY).

Also known to occur in Los Angeles, Mariposa, Orange, San Diego, Santa Barbara, Tulare, and Tuolumne Counties.

Ventura County Lichens: Annotated Checklist

By David L. Magney



***Leptochidium albociliatum* (Desmaz.) M. Choisy** – White-fringe Lichen – Massalongiaceae

[*Leptogium albociliatum* (Desmaz.) Choisy, *Leptogium pilosellum* G. Merr., *Polychidium albociliatum* (Desmaz.) Zahlbr.]

Rarity Ranking: G unranked, S unranked (S5?), L2

Thallus foliose, continuous with margin rounded or lobate, dark greenish black, covered with scattered white hairs. Apothecia reddish brown. Substrate: on rocks and soil among mosses in moist habitats.



VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics on slope above SR23 near Lake Eleanor Dam - 34°8'12"N, 118°51'8"W at 297 m (K. Knudsen *et al.* 10701 UCR). Common in Southern California but rare in the Santa Monica Mountains.

Also known from Alameda, Amador, Butte, Del Norte, Fresno, Glenn, Humboldt, Kern, Lake, Los Angeles, Marin, Madera, Mariposa, Mendocino,

Merced, Modoc, Monterey, Napa, Placer, Plumas, Riverside, San Benito, San Diego, San Francisco, Santa Barbara, Santa Clara, Shasta, Siskiyou, Sonoma, Tehama, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

Ventura County Lichens: Annotated Checklist

By David L. Magney

Letharia columbiana (Nutt.) J.W. Thomson – Brown-eyed Wolf Lichen – Parmeliaceae

[*Borreria columbiana* Nutt., *Letharia californica* (Lév.) Hue]

Rarity Ranking: G4, S unranked (S4?), L3
Thallus fruticose, tufted to subpendulous, bright greenish yellow or chartreuse yellow-green. Apothecia common, dark grayish to reddish brown, or deep brown. Substrate: on bark or wood of conifers.

VENTURA CO.: Cuyama Badlands, beyond Ballinger Campground (C.C. Bratt 12553 ASU/SBBG), Quatal Canyon (M. Owenbey & R.P. Owenbey sn 8-Jul-1938 ASU), Dry Canyon tributary at 4350 ft (D. Magney 88-24 UCSB); San Emigdio Mountains, Cowhead Potrero (C.C. Bratt 4528 SBBG); Mount Pinos; Chuchupate Valley, Mill

Valley Rd (C.C. Bratt 11673, 11676 SBBG); Frazier Mountain; San Guillermo Mountain, N of Pine Springs Campground; Upper Piru Creek, E of Lockwood Peak (W. Foss sn 30-Jun-1998 OSU); Pine Mountain Ridge, SR33 at 1463 m (M.E. Hale 56,759 US), Pine Mountain Campground (S.D. Sharnoff 953-07 ASU); Alamo Mountain; Topatopa Mountains, ridgetop between Bear & Santa Paula Canyons on *Pseudotsuga macrocarpa* (C.C. Bratt 1005, 1006, 1007, 1008 SBBG), Sisar Canyon (C.C. Bratt 1050, 1051 SBBG).

Also known from Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Mariposa, Mendocino, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Trinity, Tulare, and Tuolumne Counties.



Letharia lupina Altermann, Leavitt & Goward – Mountain Wolf Lichen - Parmeliaceae

Rarity Ranking: G unranked, S unranked (S4?), L2

Thallus shrubby fruticose, highly variable, tightly tufted to loosely subpendulous, bright lemon yellow to chartreuse green, usually brown to black at branch tips and whitish towards base; resembles *L. columbiana*.

Apothecia rare, brown to dark brown; pycnidia rare. Substrate: on bark or wood of conifers.

VENTURA CO.: Frazier Mountain, FS Rte 8N04 at 2249 m (S. Altermann 121 UC) at 2348 m (S. Altermann 126 UC); Pine Mountain Ridge, SR33 on N side of ridge at 1442 m (S. Altermann 114 UC).

Also known from Alpine, El Dorado, Humboldt, Kern, Lassen, Los Angeles, Madera, Monterey, Mono, Nevada, Plumas, Riverside, San Bernardino, San Diego, Santa Cruz, Shasta, Siskiyou, Trinity, Tulare, and Tuolumne Counties.



Letharia vulpina (L.) Hue – Wolf Lichen - Parmeliaceae

Rarity Ranking: G5, S unranked (S5?), L3

Ventura County Lichens: Annotated Checklist

By David L. Magney

Thallus shrubby fruticose, highly variable, tightly tufted to loosely subpendulous, bright lemon yellow to chartreuse green. Apothecia scarce. Substrate: fence posts, wood and bark of *Pseudotsuga menziesii* and *Pinus ponderosa*, as well as *P. coulteri*, *P. jeffreyi*, *Pseudotsuga macrocarpa*, *Juniperus californica*, and *Arctostaphylos*.



VENTURA CO.: Cuyama Badlands, Quatal Canyon (M. Ownbey & R. Ownbey sn 2-ul-1938 US); Mount Pinos; Lockwood Valley, along Lockwood Valley Road at 1463 m (M.E. Hale 56,107 US); Pine Mountain Ridge, Pine Mountain Summit (I. Tavares 1318 UC), N side

of ridge along SR33 at 1516 m (S. Altermann 116 UC), SR33 on S side of ridge at 1364 m (S. Altermann OZ1a UC), Pine Mountain Campground (S.D. Sharnoff 953-07 ASU), N face Reyes Peak (G.B. Perlmutter 1-b NCU); Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* on (C. Bratt 1050, 1051, 1052 SBBG), headwaters of Wilsie Creek (C. Bratt 1050, 1051 US), between Bear and Santa Paula Canyons (G. Bratt 1007 US).

Also known from Alpine, Amador, Butte, Calaveras, Colusa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Inyo, Lake, Lassen, Los Angeles, Madera, Mariposa, Mendocino, Modoc, Monterey, Nevada, Orange, Placer, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Shasta, Sierra, Siskiyou, Sonoma, Tehama, Trinity, Tuolumne, Tulare, and Yuba Counties. Photo by Stephen Sharnoff.

Lichenella nigritella (Lettau) P.P. Moreno & Egea – Black Rock Licorice Lichen – Lichinellaceae

[*Gonohymenia nigritella* (Lettau) Henssen, *Thallinocarpon nigritellum* (Lettau) P.M. Jørg., *Thyrea nigritella* Lettau]

Rarity Ranking: G4, S unranked (S4?), L1

Thallus foliose-fruticose, polyphyllous, individual cushions up to 20 mm wide, lobes broadly rounded then soon deeply divided, black. Apothecia thallinocarpous, submarginal to marginal, 0.3-0.6 mm wide, disc rough. Substrate: calcareous and siliceous rock.



VENTURA CO.: Upper Sespe Creek, SR33 N of Derrydale Creek (C. Bratt 4117, 4118 SBBG); Santa Monica Mountains, on Decker Road ½ mile from West Potrero Road (J. Malachowski 288 MIN/SBBG), Mishe Mokwa Trail at 670 m (K. Knudsen 5645.1 UCR).

Also known from Butte, Contra Costa, Inyo, Kern, Los Angeles, Marin, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa

Barbara, Sierra, Siskiyou, Tehama, and Tulare Counties. Photo by Samuel Brinker.

Lichenella stipatula Nyl. – Shrubby Rock Licorice Lichen - Lichinaceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus fruticose cushions appear to be crustose, black. Apothecia thallinocarpous, terminal on tips of branches, black. Substrate: siliceous rock, desert soil crust, sand-filled clefts.

Ventura County Lichens: Annotated Checklist

By David L. Magney



VENTURA CO.: Upper Sespe Creek, SR33 N of Derrydale Creek (C. Bratt 4122 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5621 SBBG).

Also known from Humboldt, Monterey, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Clara, Santa Barbara, Sutter, and Tulare Counties. Photo by Stephen Sharnoff.

Lichenosonium xanthoriae M.S. Christ. – Xanthoria Parasite Lichen - Lichenosoniaceae

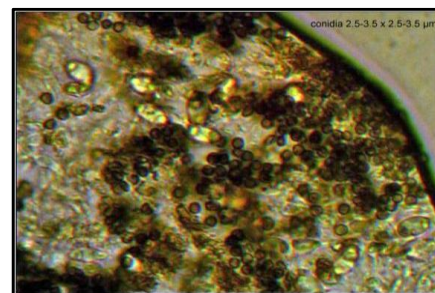
Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus immersed to erumpent, subglobose, black.

Conidia brown to dark brown. Substrate: *Caloplaca*, *Teloschistes*, and *Xanthoria* species.

VENTURA CO.: Santa Monica Mountains, on *Xanthomendoza fulva* in Wood Canyon in Point Mugu State Park - 34°7'38"N, 119°0'51"W at 383 m (J. Kocourkova et al. sn 13-Aug-2009 UCR). RIVERSIDE CO.: Santa Ana Mountains, Santa Rosa Plateau near Clinton Keith Road.

It is not known from any other California counties.



Lichenostigma alpinum (R. Sant., Alstrup & D. Hawksw.) Ertz & Diederich – Mountain Lichen – Phaeococcomycetaceae

[*Phaeosporobolus alpinus* R. Sant., Alstrup & D. Hawksw.]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, gray. Apothecia black. Substrate: on bark.

VENTURA CO.: Santa Monica Mountains, Leo Carrillo State Park on corticolous *Pertusaria* (J. Kocourkova s.n. UCR).

Also known from Los Angeles County.



Lichenostigma cosmopolites Hafellner & Calat. – Shield Lichen Parasite - Phaeococcomycetaceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus hyphal strands superficial, dark brown, spreading over host thallus. Ascomata superficial, dark brown to black. Substrate: on thallus and rarely apothecia of *Xanthoparmelia*.

VENTURA CO.: Santa Monica Mountains, on *Xanthoparmelia* above Little Sycamore Canyon Road, Santa Monica Mountains, 34°6'44"N, 118°54'59"W, 671 m (K. Knudsen & R. Muerter 7155 UCR). Common in Southern California but rare in the Santa Monica Mountains. This lichen is the brownish strands on *Xanthoparmelia*.



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Also known from Los Angeles, Mariposa, Monterey, Orange, Riverside, San Benito, San Bernardino, San Luis Obispo, San Mateo, and Santa Barbara Counties. Photo by Gary Perlmutter.

Macroconstrictolumina lyrata (R. Harris) Lücking, R. Miranda & Aptroot – Oak Bark Lichen – Trypethellaceae

[*Arthopyrenia lyrata* R. Harris, *Constrictolumina lyrata* (R. Harris) Lücking, M. P. Nelsen & Aptroot]

Rarity Ranking: G3, S unranked (S2?), L1

Thallus crustose, immersed in substrate, white to rarely yellowish gray. Perithecia semi-immersed in thallus, black.

Substrate: on bark of woody plants, most common on *Quercus*.

VENTURA CO.: Ojai Valley, Lake Casitas (S.C. Tucker 32265 SBBG) on bark; San Nicolas Island.

Also known from Los Angeles, Monterey, San Luis Obispo, San Mateo, Santa Barbara, San Diego, and Santa Cruz Counties. Photo by Ken Kellman



Maronea polyphaea H. Magn. – Mountain Mahogany Lichen – Fuscideaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus closely attached, thin, then becoming rough to almost bullate, green-gray, rugose. Apothecia usually numerous, crowded, dark brown to black. Substrate: on bark of *Cercocarpus*.

VENTURA CO.: Santa Monica Mountains (H. Hasse sn nd ASU).

Also known from Los Angeles, Mono, and Santa Barbara Counties.

Photo by Troy McMullin.



Melanelixia glabra (Schaer.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch – Polished Camouflage Lichen – Parmeliaceae

[*Melanelixia glabra* (Schaerer) Essl., *Imbricaria glabra* (Schaer.) Arnold, *Melanelixia glabra* f. *imbricata* (A. Massal.) S.Y. Kondr., *Parmelia glabra* (Schaer.) Nyl., *Parmelia glabra* f. *glabra* (Schaer.) Nyl., *Parmelia glabra* var. *glabra* (Schaer.) Nyl.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus crustose, shiny, green to brown, with isidia.

Apothecia shiny red-brown disc. Substrate: bark, fences, rarely on rock.

VENTURA CO.: Upper Sespe Creek, SR33 N of Derrydale

Creek (C. Bratt 4126 SBBG); Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* on (C. Bratt 1056, 1057 SBBG).

Also known from Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Humboldt, Kern, Lake, Los Angeles, Madera, Mendocino, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Siskiyou, Tehama, Trinity, Tuolumne, Tulare, Yolo Counties.



Melanohalea multispora (A. Schneider) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch – Many-spored Camouflage Lichen – Parmeliaceae

[*Melanelixia multispora* (A. Schneider) Essl., *Parmelia multispora* A. Schneid.]

Rarity Ranking: G5, S unranked (S5?), L1

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By David L. Magney

Thallus foliose. Apothecia common. Substrate: usually on bark of deciduous trees and shrubs.



VENTURA CO.: Cuyama Badlands, Dry Canyon (D. Magney 91-24 UCSB); Pine Mountain Ridge, Pine Mountain along Reyes Peak Road on dead branches of *Quercus john-tuckeri* (S. Tucker 37958 CHSC/PH/ UCR/UCSB), along SR33 3.5 miles S of Lockwood Valley Road (C. Bratt 4609 SBBG).

Also known from Amador, Butte, Calaveras, Glenn, Humboldt, Kern, Lake, Mariposa, Modoc, Monterey, Napa, Plumas, Riverside, Sacramento,

San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Sonoma, Tehama, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

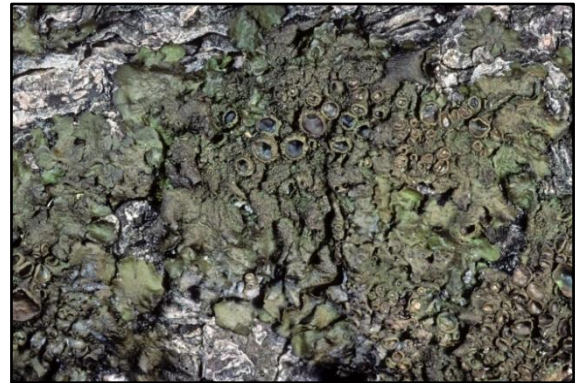
***Melanohalea subolivacea* (Nyl.) O. Blanco, A. Crespo, Divakar, Essl., D. Hawksw. & Lumbsch**
– Camouflaged Lichen - Parmeliaceae

[*Melanelia subolivacea* (Nyl.) Essl., *Parmelia subolivacea* Nyl.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus foliose, lobate, adnate to loosely adnate, olive-brown to dark brown. Apothecia common, up to 5 mm diam. Substrate: bark or rarely wood.

VENTURA CO.: Cuyama Badlands, beyond campground, before corrals in Ballinger Canyon (C. Bratt 12550B SBBG), Quatal Canyon at 4100 ft (C. Coon sn 6-Nov-2001 OSC); Upper Piru Creek, E of Lockwood Peak (W. Foss sn 30-Jun-1998 OSC); Upper Sespe Creek, SR33 N of Derrydale Creek (C. Bratt 4127 SBBG).



Also known from Alpine, Amador, Butte, Calaveras, Colusa, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Napa, Placer, Plumas, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Siskiyou, Solano, Sonoma, Tehama, Trinity, Tuolumne, Tulare, and Yuba Counties. Photo by Stephen Sharnoff.

***Miriquidica scotopholis* (Tuck.) B.D. Ryan & Timdal** – Dark-scale Rim Lichen - Lecanoraceae

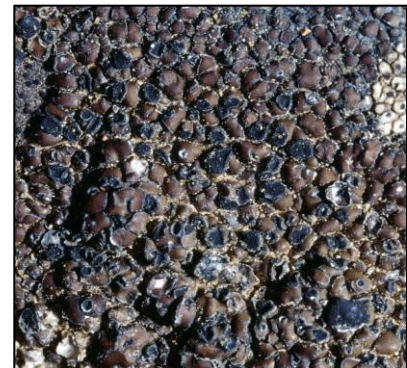
[*Biatora scotopholis* Tuck., *Lecanora scotopholis* (Tuck.) Timdal, *Lecidea scotopholis* (Tuck.) Herre, *Miriquidica mexicana* Rambold, Sipman & Hertel, *Psora scotopholis* (Tuck.) Fink, *Psorula scotopholis* (Tuck.) G. Schneider]

Rarity Ranking: G unranked, S unranked (S5?), L2

Thallus crustose, contiguous to dispersed areolate, black, prothallus conspicuous, black. Apothecia sessile, black.

Substrate: siliceous stones on soil, exposed sites.

VENTURA CO.: Rose Valley, on rocks in stream ravine (R.E. Riefner 87-85 COLO); Matilija Canyon, 3.5 miles upstream of Matilija Hot Springs (W.A Weber S-1042 ASU); Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen et al. 9647 SBBG); Santa Monica Mountains, Sandstone Peak at 2703 ft (K. Knudsen 2488 ASU), below Sandstone Peak at 2919 ft (K. Knudsen & B. Owe-Larsson 1996 UCR).



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Also known to occur in Alameda, Contra Costa, El Dorado, Fresno, Humboldt, Kern, Los Angeles, Madera, Marin, Mendocino, Modoc, Mono, Monterey, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sonoma, and Tulare Counties. Photo by Matthias Shultz.

Monerolechia californica (H. Magn.) Elix – California Moonglow Lichen – Caliciaceae

[*Dimelaena californica* (H. Magn.) Sheard, *Rinodina californica* H. Magn.]

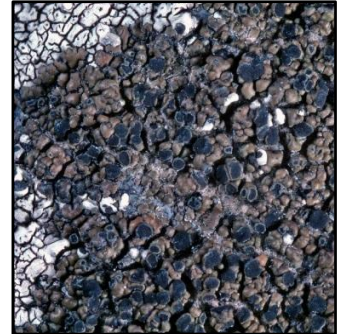
Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus areolate, dark copper-brown with black prothallus.

Apothecia cryptolecanorine, black. Parasitic on *Dimelaena radiata*.

VENTURA CO.: Upper Sespe Creek, SR33 N of Potrero John Creek (C. Bratt 5041 SBBG); Hidden Valley, Lake Sherwood area (W.J. Eyerdam 2133 WTU); Anacapa Islands, West Anacapa Island; San Nicolas Island.

Also in Los Angeles, Madera, Monterey, Riverside, San Bernardino, San Luis Obispo, and Santa Barbara Counties. Photo by Stephen Sharnoff.



Myriolecis crenulata (Ach.) Šliwa, Zhao Xin & Lumbsch – Crenulate Rim Lichen – Lecanoraceae

[*Lecanora crenulata* (Ach.) Hook., *Lecanora crenulata* f. *crenulata* (Ach.) Hook., *Lecanora crenulata* var. *crenulata* (Ach.) Hook., *Lecanora exomila* Stirt., *Lecanora hagenii* var. *crenulata* Ach., *Patellaria crenulata* (Hook.) Wallr., *Polyozosia crenulata* (Ach.) S.Y. Kondr., Lőkös & Farkas]

Rarity Ranking: G4, S unranked (S2?), L1

Thallus crustose within substrate, not visible. Apothecia cup-like, occurring singly, pale brown to blackish brown. Substrate: calcareous rocks.

VENTURA CO.: San Nicolas Island, end of Theodolite Road above Elephant Seal Beach (S. Tucker 33800 SBBG, ridge above Dutch Harbor (R. Reese Naesborg 2440a SBBG), west mesa (K. Knudsen 16713.1 UCR).

Also known from Los Angeles, San Bernardino, San Luis Obispo, and Santa Barbara Counties. Photo by Stephen Sharnoff.



Naevia pinastri (Anzi) Thiagaraja, Lücking & K.D. Hyde – a Comma Lichen – Arthoniaceae

[*Arthonia pinastri* Anzi]

Rarity Ranking: G unranked, S unranked (S2?), L2

Thallus effuse, not lichenized. Apothecia olivaceous brown.

Substrate: photophilic pioneer species on smooth bark of conifers and young deciduous shrubs.

VENTURA CO.: Ojai Valley, at Bass campsite at Lake Casitas (G.B. Perlmutter 4272 SBBG); Ventura Hills, Harmon Canyon Preserve along Family Farr Trail at 193 m (R. Reese-Naesborg 2655 SBBG); Oxnard Plain, Oxnard along Callas Drive at 3 m (G. Perlmutter 237-c NCU); Santa Monica Mountains, on

Coreopsis gigantea on hillside above Pacific Coast Highway, W of Yerba Buena Road, 34°3'24"N, 118°58'5"W at 14 m (K. Knudsen 11156 UCR), N slope of Conejo Mountain, 34°11'21"N, 119°1'1"W at 99 m (J.C. Lendemer & K. Knudsen 11444 NY, UCR). Also known from Los Angeles, San Luis Obispo, and Santa Barbara Counties. Photo by Gary Perlmutter.



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Neoechinodiscus lesdainii (Vouaux) R. Sierra & Molinari – xxxxx Parasitic Lecania Lichen – Helotiales – family placement yet to be determined

[*Echinodiscus lesdainii* (Vouaux) Etayo & Diederich, *Phacopsis lesdainii* Vouaux]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus parasitic on *Lecania*. Apothecia black.

VENTURA CO.: Santa Monica Mountains, Point Mugu State Park on *Lecania cyrtella* apothecia on

Malacothamnus fasciculatus (J. Kocourková 7344 & K. Knudsen SBBG).

Not known from any other California county. One collection from NW of Oslo, Norway; otherwise known from Great Britain, France, and Sweden.



Ochrolechia subpallescens Vers. – Pale Yellow Lichen - Ochrolechiaceae

Rarity Ranking: G unranked, S unranked (S5?), L1

Thallus crustose, verruculose, yellowish gray to yellowish white, rugose, continuous, epruinose. Apothecia lecanorine, sessile, light orange to light orange-yellow or yellowish pink. Substrate: on bark of mainly deciduous trees (*Quercus*, *Rhamnus*, *Alnus*) and rarely *Pseudotsuga*.

VENTURA CO.: Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (K. Knudsen et al. 9633 UCR).

Also known from Alameda, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Glenn, Humboldt, Lake, Los Angeles, Marin, Mendocino, Merced, Monterey, Napa, Placer, Plumas, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Shasta, Siskiyou, Sonoma, Trinity, and Yuba Counties. Photo by Stephen Sharnoff.



Opegrapha erosa Egea & Torrente – Gnawed Scribble Lichen – Opegraphaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus inconspicuous or immersed, crustose but indeterminate. Ascomata simple or branched, adnate, scattered or aggregated, pale brown. Substrate: on bark and wood.

VENTURA CO.: San Nicolas Island (S. Junak 413D SBBG).

Also known from Marin, Monterey, San Luis Obispo, and Santa Barbara Counties. Photo from iNaturalist.



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Opegrapha xerica Egea & Torrente – Dry Scribble Lichen – Opegraphaceae

[*Alyxoria xerica* (Torrente & Egea) Van Haluwyn & Cl. Roux]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus lichenized, thin, effuse, granulose to inconspicuous, whitish or grayish. Ascomata scattered, simple, disc slit-like, white-pruinose. Substrate: trees and woody or fleshy shrubs, *Cupressus macrocarpa*.

VENTURA CO.: San Nicolas Island (S. Tucker 33716 ASU/SBBG), E of commissary (T. Nash 38799 ASU), along Wilong Road at 50 m (T. Nash 38895 ASU), S of Spur Canyon (C. Bratt 12046 SBBG).

Also known from Los Angeles, Monterey, and San Luis Obispo Counties.



Parmelina coleae Arguello – Fringed Shield Lichen - Parmeliaceae



Rarity Ranking: G unranked, S unranked (S5?), L1

Thallus foliose, lobate, grayish. Apothecia brown. Substrate: twigs.

VENTURA CO.: Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1053 SBBG).

Also known from Amador, Butte, Calaveras, Contra Costa, El Dorado, Fresno, Inyo, Lake, Los Angeles, Mariposa, Monterey, Napa,

Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Sierra, Siskiyou, Solano, Sutter, Tulare, and Yuba Counties.

Photo by Stephen Sharnoff.

Parmelina quercina (Willd.) Hale – Oak or Fringed Shield Lichen – Parmeliaceae

[*Imbricaria quercina* (Willd.) DC., *Lichen quercinus* Willd., *Lobaria quercina* (Willd.) Gaertn., G. Mey. & Scherb., *Parmelia quercina* (Willd.) Vain., *Parmelia quercina* f. *caperata* Hillmann, *Parmelia quercina* f. *cupiseda* Vain., *Parmelia quercina* f. *isidifrugifera* Maheu & Werner, *Parmelia quercina* f. *minor* (Kremp.) Zahlbr., *Parmelia quercina* f. *quercina* (Willd.) Vain., *Parmelia quercina* f. *rugosula* (Leight.) Hillmann, *Parmelia quercina* var. *affixa* (Stirt.) Zahlbr., *Parmelia quercina* var. *arborea* (Weiss) Maas Geest., *Parmelia quercina* var. *carporrhizans* (Taylor) V. Wirth, *Parmelia quercina* var. *feracissima* (Müll. Arg.) Hillmann, *Parmelia quercina* var. *quercina* (Willd.) Vain., *Parmelia quercina* var. *regulata* (Müll. Arg.) Zahlbr., *Parmelia quercina* var. *rimulosa* (Müll. Arg.) Zahlbr., *Parmelia quercina* var. *sulphurea* (Tuck.) Zahlbr., *Parmelia quercina* var. *verrucosa* Erichsen]

Rarity Ranking: G4, S unranked (S5?), L1

Thallus foliose, adnate, irregularly branched, lobate, whiteish gray to pale greenish gray, smooth but cracked with age, dull. Apothecia numerous, laminal, brown. Substrate: bark, rare on rock.

VENTURA CO.: Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1054 SBBG).

Also known from Alameda, Amador, Butte, Calaveras, Colusa, El Dorado, Fresno, Glenn, Lake, Los Angeles, Madera, Mariposa, Mendocino,



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Monterey, Napa, Nevada, Placer, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Sierra, Siskiyou, Sonoma, Stanislaus, Tehama, Trinity, Tuolumne, Tulare, and Yolo Counties.

***Parmotrema austrosinense* (Zahlbr.) Hale – Unwrinkled Ruffle Lichen – Parmeliaceae**

[*Parmelia austrosinensis* Zahlbr.]

Rarity Ranking: G4, S unranked (S2?), L1.

Thallus foliose, adnate, lobate, gray with some blackened areas. Apothecia rare, substipitate, disc brown. Substrate: on trees in open habitats, rarely on rock.

VENTURA CO.: Ventura Hills, Harmon Canyon Preserve at 186 m (*R. Reese Naesborg* 2646 SBBG); Santa Monica Mountains; Anacapa Islands.

SAN LUIS OBISPO CO.: Los Osos on oaks at Morro Bay State Park, on oaks near Arroyo



Laguna along State Route 1. SANTA BARBARA CO.: San Marcos Foothills at northwest corner of SR154 and SR192, Mission Canyon at Santa Barbara Botanic Garden. LOS ANGELES CO.: extirpated (Hale and Cole 1988). ORANGE CO.: on oaks on canyon slopes along Aliso Creek, Buck Gully, on oaks in Aliso-Wood Canyon Park. SAN DIEGO CO.: San Mateo Creek scrub.

Also known from Marin, Monterey, and Santa Cruz Counties.

Parmotrema austrosinense is a foliose (leaf-like) lichen in the Parmeliaceae family. The thallus is loosely adnate, 3-10 cm in diameter, and lobate. The lobes are subirregular, elongate, slightly imbricate, plane, separate, 10-30 mm wide with apices rotund and often ascending, elacinate and eciliate. The upper surface of the thallus is gray with some blackened areas, smooth, dull to shiny, usually weakly white maculate. The soredia are granular, common, in linear, submarginal or marginal soralia. Isidia and pustulae are absent. The medulla is white with a continuous algal layer. The lower thallus surface is black with brown to mottled white naked zone peripherally, centrally rhizinate. The rhizines are scattered and simple. The apothecia are rare, substipitate, up to 10 mm in diameter, with margins sparsely sorediate. The apothecia disc is brown, often perforate. The Ascospores are ellipsoid to broadly ellipsoid, 12-18 x 7-10 μm . Pycnidia are not seen. Spot chemical tests on. (Nash et al. 2002.)

Lichen chemistry finds the upper cortex is K⁺ yellow, C⁻, KC⁻, P⁻; medulla tests are K⁻, C⁺ red, KC⁺ red, and P⁻. Secondary metabolites in the upper cortex consist of atranorin and chloroatranorin, and lecanoric acid in the medulla. (Nash et al. 2002.)

Parmotrema austrosinense grows on bark (corticolous) along the California coast in open habitats, rarely on rocks (saxicolous).

Parmotrema austrosinense is a pantropical species extending into some adjacent temperate areas. It is reported in California from only eight sites in California from San Luis Obispo County south to San Diego County and is known in the Santa Barbara region from Mission Canyon and Rattlesnake Canyon in the Santa Ynez Mountain foothills (Bratt pers. comm. 1997).

***Peltigera rufescens* (Weiss) Humb. – Field Dog Lichen – Peltigeraceae**

[*Lichen caninus* var. *rufescens* Weiss, *Lichen rufescens* (Weiss) Neck., *Peltidea rufescens* (Weiss) Ach., *Peltidea rufescens* var. *rufescens* (Weiss) Ach., *Peltigera canina* var. *rufescens* (Weiss) Mudd]

Rarity Ranking: G5, S unranked (S5?), L1

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Thallus foliose, circular in outline, 5-15 cm in diameter, grayish brown to brown when dry, blackish green when wet. Apothecia frequent, oblong, disc red-brown to black. Substrate: among mosses or on bare soil at higher elevations.

VENTURA CO.: Santa Monica Mountains, on slope above State Route 23 near Lake Eleanor Dam - 34°8'12"N, 118°51'8"W at 297 m (K.

Knudsen *et al.* 10705 (UCR). Rare in the Santa Monica Mountains.

Also known from Alameda, Del Norte, Fresno, Humboldt, Inyo, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Nevada, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Mateo, Santa Clara, Santa Cruz, Shasta, Siskiyou, Sonoma, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.



***Peltula euploca* (Ach.) Poelt – Powdery Rock-olive Lichen – Peltulaceae**

[*Dermatocarpon euplocum* (Ach.) A.L. Sm., *Endocarpon euplocum* (Ach.) Ach., *Heppia euploca* (Ach.) Vain., *Heppia guepinii* (Delise) Nyl., *Heppia polyphylla* B. de Lesd., *Lichen euplocus* Ach., *Verrucaria euploca* (Ach.) Borrer]

Rarity Ranking: G4, S unranked (S5?), L2

Thallus crustose, peltate, tan-olive-green to dark olive-brown. Apothecia rare, disc punctiform, yellowish brown or pinkish. Substrate: acidic rocks in arid habitats.

VENTURA CO. (*unknown sn nd* FH): North Fork Matilija Canyon, Wheeler Springs (*Unknown 4* SBBG, *M. Cole* 1269 US); Conejo Mountains, N slope Conejo Mountain above Conejo Creek at 99 m (K. Knudsen 4055 UCR); Hidden Valley, Lake Sherwood District (W.J. Eyerdam 2104 WTU); Santa Monica Mountains, Deals



Flat on Beltrami property, Party Rock above Carlisle Canyon at 2286 ft (J.C. Lendemer & K. Knudsen 11507 NY, K. Knudsen 4005 UCR), Mulholland Highway on N side of large Conejo Volcanics boulder 0.83 miles E of SR23 at 577 m (K. Knudsen 18255 SBBG). Also known from Amador, Butte, Contra Costa, El Dorado, Fresno, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Monterey, Nevada, Orange, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tulare, and Tuolumne Counties. Photo by Frank Bungartz.

***Peltula hassei* (Zahlbr.) Büdel, Kauff & Bachran – Hasse's Common Rock-olive Lichen - Peltulaceae**

[*Heppia hassei* Zahlbr., *Peltula obscurans* var. *hassei* (Zahlbr.) Wetmore]

Rarity Ranking: T5, S unranked (S4?), L2

Thallus crustose, squamulose, olive-brown to brown.

Apothecia 1/squamule, adnate, disc red to yellow-brown.

Substrate: soil and acidic rocks.

VENTURA CO.: Santa Paula Canyon, along SR150 6.7 mi N of Santa Paula (*I. Tavares* 1270a UC); Simi Hills, Lang Ranch on Woodridge Open Space at 373 m (K. Knudsen 11180 SBBG); Santa Monica Mountains, hilltop E of Little Sycamore Canyon Rd near Mishe Mokwa Trail at 668 m (K. Knudsen 6255 SBBG), Deals Flat on Beltrami property,



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Sandstone Peak off Mishe Mokwa Trail (*K. Knudsen 8383 SBBG*); West Anacapa Island on S side of W end at 122 m (*K. Knudsen 10818, 10834 SBBG*).

Also known from Butte, Contra Costa, Kern, Los Angeles, Mariposa, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Cruz, Solano, Sonoma, and Sutter Counties. Photo by Frank Bungartz.

Peltula obscurans* var. *deserticola (Zahlbr.) Wetmore – Common Rock-olive Lichen - Peltulaceae

Rarity Ranking: T3, S unranked (S3?), L1

Thallus squamulose, usually squamules widely scattered, olive-brown. Apothecia 1 or 2 per squamule, yellowish brown.

Substrate: calcareous rocks, caliche, arid habitats.

VENTURA CO.: Sulphur Mountain, above Salt Marsh Canyon on UNOCAL property (*C. Bratt 11310 SBBG*).

Also known from Inyo, Los Angeles, Monterey, Riverside, San Bernardino, San Diego, Santa Barbara, Solano, and Sonoma Counties.



Peltula omphaliza (Nyl. Ex Eckf.) Wetmore – Navel Rock-olive Lichen - Peltulaceae
[*Heppia omphaliza* Nyl., *Endocarpiscum omphalizum* (Nyl.) Müll.Arg.]

Rarity Ranking: G3, S unranked (S3?), L1

Thallus crustose peltate, widely scattered orbicular convex, dull greenish-olive, brown to black. Apothecia 5-20 per squamule, yellow to yellowish brown. Substrate: rocks in open arid habitats.

VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics at Party Rock - 34°6'37"N by 118°54'22"W at 698 m (*K. Knudsen et al. 5152.3 UCR*). Infrequent in the Santa Monica Mountains.

Also known from Lake, Los Angeles, Orange, Riverside, San Benito, San Diego, San Luis Obispo, Santa Barbara, Sonoma, and Stanislaus Counties.
Photo by Matthias Schultz.



Pertusaria brattiae Lumbsch & T.H. Nash – Bratt's Wart Lichen - Pertusariaceae

Rarity Ranking: G1, S unranked (S1?), L1



Thallus crustose, rimose- to verrucose-areolate, whitish gray to reddish gray. Apothecia 1-2/ fertile verruca, gray-brown to blackish brown. Substrate: coastal siliceous rocks.

VENTURA CO.: Anacapa Islands, West Anacapa Island campground (*C. Bratt 9194 SBBG*).

Also known from San Luis Obispo and Santa Barbara Counties.

Pertusaria californica Dibben – California Wart Lichen - Pertusariaceae

Rarity Ranking: G1, S unranked (S1?), L1

Thallus crustose, areolate with moderately thick verrucae, ash gray to dark gray. Apothecia 1-10 per verruca, dark brown to black. Substrate: coastal siliceous rocks.



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VENTURA CO.: Anacapa Islands, West Anacapa Island (*T. Hash 37062* ASU).

Also known from Counties. Photo by Stephen Sharnoff.

Pertusaria flavicunda Tuck. – Sulphur Wart Lichen - Pertusariaceae

Rarity Ranking: G3, S unranked (S2?), L1

Thallus crustose, fissured to fissured-areolate, green-yellow to sulfur-yellow. Apothecia ~1 per verruca, disc brown to blackish brown. Substrate: coastal siliceous rocks up to 750 m.

VENTURA CO.: Conejo Mountain, 4 miles N of Newbury Park along Ventura Blvd. (*W.A. Weber S-1740* COLO); Anacapa Islands, West Anacapa Island (*T.H. Nash III 37063, 37094* ASU); San Nicolas Island, S of research station (*C. Bratt 7979* ASU), along Theodolite Road (*C. Bratt 11971* SBBG).

Also known from Los Angeles, Monterey, San Diego, San Luis Obispo, Santa Barbara, and Santa Cruz Counties. Photo by Stephen Sharnoff.



Pertusaria occidentalis Bratt, Lumbsch & Schmitt – Western Wart Lichen - Pertusariaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, fissured or rimose to rimose-areolate, whitish gray to crème colored. Apothecia 1-3 per verruca, disc dark brown to black. Substrate: limestone and sandstone in coastal areas.

VENTURA CO.: San Nicolas Island, W end (*T. Nash 38700* ASU), below Twin Towers at edge of bluff (*C. Bratt 7855* SBBG). Also known Santa Barbara County.



Phaeophyscia hirsuta (Mereschk.) Essl. – Hairy Shadow Lichen – Physciaceae

[*Phaeophyscia cernohorskyi* (Nádv.) Essl., *Physcia cernohorskyi* Nádv., *Physcia cernohorskyi* var. *cernohorskyi* Nádv., *Physcia hirsute* Mereschk., *Physcia hirsuta* var. *hirsuta* Mereschk., *Physcia labrata* Mereschk., *Physcia labrata* f. *labrata* Mereschk., *Physcia labrata* var. *labrata* Mereschk., *Physcia strigose* Poelt & Buschardt]

Rarity Ranking: G unranked, S unranked (S5?), L2
Thallus foliose to 3 cm in diameter, gray to gray-brown or brown. Apothecia infrequent, up to 2 mm in diameter. Substrate: bark, sometimes on rock.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon at Ballinger Canyon Campground (*C. Bratt 3293, 3296, 8318* SBBG), along SR33 at 457 m (*E.A. Schmidt 862* WIS); North Fork Matilija Canyon, Wheeler Springs (*M. Cole 1319* US);

Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (*K. Knudsen et al. 9617* UCR); Santa Monica Mountains, Point Mugu State Park below high tide (*K. Knudsen 4064.2* UCR).

Also known from Amador, Calaveras, Contra Costa, Inyo, Kern, Los Angeles, Marin, Monterey, Napa, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Solano, Sonoma, Sutter, Tehama, and Tuolumne Counties. Photo by Stephen Sharnoff.



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***Phaeophyscia kairamoi* (Vainio) Moberg – Least Shadow Lichen – Physciaceae**

[*Physcia kairamoi* Vain., *Physcia nadvornikii* Frey & Poelt, *Physcia nadvornikii* f. *nadvornikii* Frey & Poelt]



Rarity Ranking: G4, S unranked (S2?), L1
Thallus foliose, to 4 cm in diameter, gray to mostly gray-brown. Apothecia infrequent, to 2.5 mm in diameter. Substrate: rock or mosses over rock.

VENTURA CO.: Santa Monica Mountains, outcrops in coastal sage scrub near Point Mugu (*Riefner* 92-132 WIS).

INYO CO.: Sierra Nevada, Cottonwood Canyon at 5577 ft (*J. Hollinger* 22432 NY); Death Valley National Monument, on NW-facing cliff, SE side of SR267, elev. 1220 m

(*B.D. Ryan* 14872, 14885, 14888 ASU). LOS ANGELES CO.: Santa Catalina Island, on rock at Land's End, elev. 20 m (*B.D. Ryan* 30956 ASU). MONTEREY CO.: Santa Lucia Range, Arroyo Seco Canyon on *Quercus* at Arroyo Seco Canyon Campground (*Ryan* 26888 SBBG). SANTA BARBARA CO.: Santa Rosa Island, on rock, along pass on main road SE of Black Mountain, elev. 240-320 m (*Ryan* 31666 ASU). SAN LUIS OBISPO CO.: Coon Creek Canyon, on shale in Montaña de Oro State Park (*Riefner* 87-392 WIS).

Phaeophyscia kairamoi is a rock-dwelling (saxicolous), foliose-type lichen of the Physciaceae family. The thallus bears soredia, isidia, or lobules, primarily asexual, and measures 5 to 6 cm across. The thallus has small, pale (occasionally darkening) cortical hairs, especially on young lobe tips, and on apothecial margins and on the isidia or soredia. Soralia are marginal, with very granular isidioid soredia or isidia bearing sparse pale or darkening hairs. Medulla is white. The lobes are up to 2 mm wide. It has cortical hairs on the dark, marginal isidia. The apothecia are up to 3 mm broad and rather frequent. Characteristic features: dark marginal isidia that bears sparse, pale cortical hairs. Chemistry-lichen substances: none. Photo by Samuel Brinker.

***Phaeophyscia orbicularis* (Necker) Moberg – Rounded Shadow Lichen – Physciaceae**

[*Anaptychia obscura* (Ehrh.) A. Massal., *Anaptychia obscura* var. *cyclozelis* (Ach.) A. Massal., *Anaptychia obscura* var. *obscura* (Ehrh.) A. Massal., *Borreria obscura* (Ehrh.) Mudd, *Borreria obscura* var. *obscura* (Ehrh.) Mudd, *Borreria obscura* var. *virella* (Ach.) Mudd, *Dimelaena obscura* (Ehrh.) Norman, *Hagenia obscura* (Ehrh.) De Not., *Imbricaria cyclozelis* (Ach.) DC., *Imbricaria obscura* (Ehrh.) Kickx, *Lecanora virella* (Ach.) Ach., *Lichen cyclozelis* Ach., *Lichen orbicularis* Neck., *Lichen virellus* Ach., *Lobaria obscura* (Ehrh.) Gaertn., G. Mey. & Scherb., *Lobaria orbicularis* (Baumg.) Hoffm., *Parmelia cyclozelis* (Ach.) Ach., *Parmelia cyclozelis* var. *cyclozelis* (Ach.) Ach., *Parmelia obscura* (Ehrh.) Fr., *Parmelia obscura* f. *cyclozelis* (Ach.) Körb., *Parmelia obscura* f. *obscura* (Ehrh.) Fr., *Parmelia obscura* f. *orbicularis* (Baumg.) Arnold, *Parmelia obscura* f. *pseudoplatani* Britzelm., *Parmelia obscura* var. *musciola* Schaer., *Parmelia obscura* var. *obscura* (Ehrh.) Fr., *Parmelia obscura* var. *saxicola* A. Massal., *Parmelia virella* (Ach.) Ach., *Phaeophyscia orbicularis* f. *virella* (Ach.) J. Nowak, *Phaeophyscia orbicularis* var. *hueana* (Harm.) Clauzade & Cl. Roux, *Physcia cyclozelis* (Ach.) Vain. ex Räsänen, *Physcia cyclozelis* f. *cyclozelis* (Ach.) Vain., *Physcia cyclozelis* f. *elongate* Räsänen, *Physcia cyclozelis* f. *sorediifera* (Nyl.) Räsänen, *Physcia cyclozelis* var. *cyclozelis* (Ach.) Vain. ex Räsänen, *Physcia hueana* (Harm.) Klem., *Physcia obscura* Nyl., *Physcia obscura* f. *hueana* Harm., *Physcia obscura* f. *obscura* (Ehrh.) Fűrnr., *Physcia obscura* var. *cyclozelis* (Ach.) J.J. Kickx, *Physcia obscura* var. *obscura* (Ehrh.) Fűrnr., *Physcia obscura* var. *virella* (Ach.) Leight., *Physcia orbicularis* (Necker) Poetsch, *Physcia orbicularis* f. *albida* B. de Lesd., *Physcia orbicularis* f. *albociliata* (B. de Lesd.) J.W. Thomson, *Physcia orbicularis* f. *bicolor* (Britzelm.) Grummann, *Physcia orbicularis* f. *calicicola* Nád., *Physcia orbicularis* f. *cyclozelis* (Ach.) Szatala, *Physcia orbicularis* f. *elongate* (Räsänen) Räsänen, *Physcia orbicularis* f. *insignis* (Mereschk.) Frey, *Physcia orbicularis* f. *intermedia* Schade, *Physcia orbicularis* f. *orbicularis* (Baumg.) Poetsch, *Physcia orbicularis* f. *pallida* Räsänen, *Physcia orbicularis* f. *pseudoplatani* (Britzelm.) Säntha, *Physcia orbicularis* f. *tristis* Räsänen, *Physcia orbicularis* f. *virella* (Ach.) Schade, *Physcia orbicularis* var. *ciliata*, *Physcia orbicularis* var. *hueana* (Harm.) Clauzade & Cl. Roux, *Physcia orbicularis* var. *labrata* (Mereschk.) B. de Lesd., *Physcia orbicularis* var. *orbicularis* (Baumg.) Poetsch, *Physcia orbicularis* var. *sorediifera* (Nyl.) Räsänen, *Physcia orbicularis* var. *transatlantica* Räsänen, *Physcia orbicularis* var. *virella* (Ach.) A.L. Sm., *Physcia ulothrix* var. *virella* (Ach.) Cromb., *Physcia virella* (Ach.) Flagey, *Physcia virella* f. *pallidior* Mereschk., *Physcia virella* f. *tenuisecta* Mereschk., *Physcia virella* f. *ticinensis* Mereschk., *Physcia virella* f. *virella* (Ach.) Flagey, *Physcia virella* var. *gracilis* Mereschk., *Physcia virella* var. *hueana* (Harm.) Lindau, *Physcia virella* var. *virella* (Ach.) Flagey, *Placodium orbiculare* (Baumg.) Hoffm., *Psora orbicularis* Baumg., *Rinodina virella* (Ach.) Körb., *Squamaria obscura* (Ehrh.) Beltr., *Xanthoria obscura* (Ehrh.) Horw., *Xanthoria ulothrix* var. *virella* (Ach.) Horw.]

Rarity Ranking: G5, S unranked (S5?), L2

Ventura County Lichens: Annotated Checklist

By David L. Magney

Thallus foliose, to 4 cm in diameter, pale gray to dark gray or pale brown. Apothecia infrequent, to 1.5 mm in diameter. Substrate: bark, sometimes on rock.

VENTURA CO.: Cuyama Badlands, Ozena Campground (C. Bratt 11190E Esslinger); Upper Piru Creek, E of Lockwood Peak at 5709 ft on *Quercus chrysolepis* (W. Foss sn 30-Jun-1998 OSU); Upper Ojai Valley, Dennison Park (C. Bratt 1181 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen 9676 et al. UCR).



Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Fresno, Glenn, Humboldt, Inyo, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mono, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yolo Counties. Photo by Stephen Sharnoff.

***Phaeophyscia sciastra* (Ach.) Moberg – Dark Shadow Lichen – Physciaceae**

[*Dimelaena obscura* var. *sciastra* (Ach.) Trevis., *Hagenia obscura* var. *sciastra* (Ach.) Bagl. & Carestia, *Lichen fahlunensis* var. *sciastrus* (Ach.) Wahlenb., Fl. lapp.: 428 (1812), *Parmelia fahlunensis* var. *sciastra* (Ach.) Ach., *Parmelia sciastra* Ach., *Physcia lithotea* (Ach.) Nyl., *Physcia lithotea* f. *arboricola* Räsänen, *Physcia lithotea* f. *erigens* (Vain.) H. Olivier, *Physcia lithotea* f. *lithotea* (Ach.) Nyl., *Physcia lithotea* f. *perisidiosa* Räsänen, *Physcia lithotea* var. *erigens* (Vain.) H. Olivier, *Physcia lithotea* var. *lithotea* (Ach.) Nyl., *Physcia lithotea* var. *sciastra* (Ach.) Nyl., *Physcia obscura* var. *sciastra* (Ach.) Nyl., *Physcia orbicularis* f. *sciastra* (Ach.) Schade, *Physcia sciastra* (Ach.) Du Rietz, *Physcia sciastra* f. *albicans* (Harm.) M. Choisy, *Physcia sciastra* f. *arboricola* Kosk.{?}, *Physcia sciastra* f. *cinerascens* Nád., *Physcia sciastra* f. *depallens* Nád., *Physcia sciastra* f. *erigens* (Vain.) Nád., *Physcia sciastra* f. *musciicola* (Schaer.) Szatala, *Physcia sciastra* f. *salina* (Erichsen) J.W. Thomson, *Physcia sciastra* f. *sciastra* (Ach.) Du Rietz, *Physcia sciastra* var. *arborea* Erichsen, *Physcia sciastra* var. *musciicola* (Schaer.) Frey, *Physcia sciastra* var. *salina* Erichsen, *Physcia sciastra* var. *sciastra* (Ach.) Du Rietz]

Rarity Ranking: G5, S unranked (S3?), L1
Thallus foliose, to 5 cm in diameter, gray-brown to brown. Apothecia to 2 mm in diameter. Substrate: rock, rare on bark or wood.

VENTURA CO.: Nordhoff Ridge, on rock along river canyon at SR33 N of Ojai (Riefner 87-79 WIS); Conejo Mountains, W base of hills N of Camarillo Sanitation plant (K. Knudsen et al. 5150.2 PH).



Also known from Alpine, Inyo, Kern, Mono, Orange, Riverside, San Bernardino, San Luis Obispo, Shasta, and Tulare Counties. Photo by Stephen Sharnoff.

***Physcia adscendens* H. Oliver – Hooded Rosette Lichen – Physciaceae**

[*Parmelia anthelina* Ach., *Parmelia stellaris* var. *adscendens* Fr., *Physcia aipolia* f. *anthelina* (Ach.) Vain., *Physcia ascendens* Bitter, *Physcia stellaris* var. *adscendens* (Fr.) Rabenh.]

Rarity Ranking: G5, S unranked (S5?), L3

Thallus foliose, to 2 cm in diameter, irregular, gray to dark gray. Apothecia rare. Substrate: grees and branches.

Ventura County Lichens: Annotated Checklist

By David L. Magney

VENTURA CO.: Upper Piru Creek, E of Lockwood Peak at 5709 ft (W. Foss sn 30-Jun-



1998 OSU); Matilija Canyon, 3.5 miles upstream of Matilija Hot Springs at 500 m (W.A. Weber S-1028 ASU); Ojai Valley, Lake Casitas picnic area (G.B. Perlmutter 4233 NCU); Upper Ojai Valley, Dennison Park (C. Bratt 1156, 1157, 1174, 1176, 1180, 1182 SBBG); Santa Paula Canyon, Sisar Canyon on hillside 6.7 miles N of Santa Paula (I. Tavares 1275 ASU); Sulphur Mountain, Wheeler Canyon on UNOCAL property (C. Bratt 11300, 11305 SBBG); Conejo Mountains, Long Grade Canyon (R. Mower 1577092 ASU); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (K. Knudsen et al. 9622 UCR), 0.5 mile SW of Lake Sherwood (I. Tavares 543 ASU); Santa Monica Mountains, Deals Flat on Beltrami property; Anacapa Islands, E end of East Anacapa Island; San Nicolas Island.

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Napa, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Sutter, Trinity, Tuolumne, Tulare, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.

Physcia biziana (Massal.) Zahlbr. – Frosted Rosette Lichen – Physciaceae

[*Dimelaena biziana* (A. Massal.) Trevis., *Physcia ragusana* var. *biziana* (A. Massal.) Zahlbr., *Squamaria biziana* A. Massal.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus crustose, orbicular to irregular to 3 cm diameter, white to brownish with white to dark gray rhizines. Apothecia numerous to 2.5 mm across, disc brown to black mostly covered with white prunia. Substrate: tree trunks and branches.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon at Ballinger Canyon Campground (C. Bratt 3282 SBBG/UCSB, C. Bratt 12557a SBBG), Quatal Canyon at 4100 ft (C. Coon sn 6-



Nov-2001 OSU), Corral Canyon at SR33 (C. Bratt 7830 OSC); Sulphur Mountain, Wheeler Canyon on UNOCAL property (C. Bratt 11301 SBBG); Anacapa Islands, West Anacapa Island (C. Bratt 9195 SBBG/UCR). Also known from Amador, Butte, Calaveras, Colusa, Fresno, Glenn, Humboldt, Inyo, Kern, Lake, Lassen, Los Angeles, Madera, Mariposa, Modoc, Mono, Monterey, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Shasta, Siskiyou, Stanislaus, Tulare, Tuolumne, and Yolo Counties. Photo by Stephen Sharnoff.

Physcia dimidiata (Arnold) Nyl. – Exuberant Rosette Lichen – Physciaceae

[*Parmelia albinea* var. *dimidiata* (Arnold) Jatta, *Parmelia dimidiata* (Arnold) Arnold, *Parmelia pulverulenta* var. *dimidiata* Arnold, *Physcia aipolia* var. *dimidiata* (Arnold) Nyl., *Physcia albinea* var. *dimidiata* (Arnold) Nyl., *Physcia dimidiata* f. *dimidiata* (Arnold) Nyl., *Physcia dimidiata* var. *dimidiata* (Arnold) Nyl., *Physcia stellaris* f. *dimidiata* (Arnold) Boistel, *Physcia stellaris* var. *dimidiata* (Arnold) Berdau]

Rarity Ranking: G5, S unranked (S5?), L2

Ventura County Lichens: Annotated Checklist

By David L. Magney

Thallus foliose, irregular, sometimes orbicular to 3 cm diameter, brownish gray to gray or cream. Apothecia rare, up to 2 mm diameter. Substrate: north exposed rocks.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon Campground (C.C. Bratt 3280 SBBG), Quatal Canyon (W. Foss OSC-M-237510a OSU), Ozena Campground (C. Bratt 11189D, 11190D Esslinger Herb); San Emigdio Mountains, Apache Potrero at 1448 m (C.C.



Bratt 4566 SBBG); Conejo Mountains, N slope Conejo Mountain above Conejo Creek at 99 m (J.C. Lendemer & K. Knudsen 11453 NY); Hidden Valley, oak woodland at 1430 Hidden Valley Rd (K. Knudsen et al. 9663, 9665 SBBG); Santa Monica Mountains, head of Deer Creek Canyon at 407 m (K. Knudsen 4072.1 PH/SBBG), Deals Flat on Beltrami property, near summit of Sandstone Peak at 921 m (K. Knudsen 8470 SBBG), Party Rock at 698 m (K. Knudsen 5155 NY/SBBG).

Also known from Alameda, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Inyo, Kern, Lake, Lassen, Los Angeles, Marin, Merced, Mono, Monterey, Napa, Orange, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Sonoma, Tehama, Trinity, Tulare, Tuolumne, and Yolo Counties. Photo by Gary Neil.

***Physcia stellaris* (L.) Nyl. – Star Rosette Lichen – Physciaceae**

[*Anaptychia stellaris* (L.) A. Massal., *Borreria stellaris* (L.) Mudd, *Dimelaena stellaris* (L.) Norman, *Geissodea stellaris* (L.) J. St.-Hil., *Hagenia stellaris* (L.) De Not., *Imbricaria stellaris* (L.) DC., *Lichen stellaris* L., *Lobaria stellaris* (L.) Hoffm., *Parmelia stellaris* (L.) Ach., *Parmelia stellaris* var. *pseudoincisa* Th. Fr., *Parmelia stellaris* var. *radiata* Ach., *Parmelia stellaris* var. *rosulata* Ach., *Parmelia stellaris* var. *stellaris* (L.) Ach., *Physcia retrogressa* Stirt., *Physcia stellaris* f. *rosulata* (Ach.) Nyl., *Squamaria stellaris* (L.) Frege, *Xanthoria stellaris* (L.) Horw., *Xanthoria stellaris* var. *leptalea* (Ach.) Horw., *Xanthoria stellaris* var. *stellaris* (L.) Horw., *Xanthoria stellaris* var. *subobscura* (Nyl.) Horw.]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus foliose, orbicular or irregular to 4 cm diameter, whitish gray to cream-colored. Apothecia abundant, to 1.5 mm diam, disc often pruinose.

Substrate: trees in open areas.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon beyond campground before corrals (C. Bratt 12547 ASU/CANL/OSU/SBBG); Pine Mountain Ridge, along SR33 (M.E. Hale 56603, 56796 US); North Fork Matilija Canyon, Wheeler Springs (M.S. Cole 1272 UC); Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1048, 1049 SBBG); Ojai Valley, Meiners Oaks along N Lomita Ave on *Quercus agrifolia* (G.B. Permuter 2 NCU); Upper Ojai Valley, Dennison Park (C. Bratt 1153, 1154, 1170, 1187 SBBG); Sulphur Mountain, Weldon Canyon (C. Bratt 5369 SBBG); Whiteacre Peak Ridge, Hopper Ranch on *Juglans californica* (C. Bratt 1317 SBBG).

Also known from Alpine, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Imperial, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Monterey, Napa, Nevada, Orange, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.



Ventura County Lichens: Annotated Checklist

By David L. Magney

***Physcia tenella* (Scop.) DC. – Fringed Rosette Lichen – Physciaceae**

[*Borreria tenella* (Scop.) Ach., *Hagenia tenella* (Scop.) de Not., *Lichen tenellus* Scop., *Parmelia stellaris* f. *tenella* (Scop.) Hazsl., *Physcia hispida* auct., *Physcia hispida* f. *subobscura* (Nyl.) A.L. Sm., *Physcia hispida* var. *leptalea* (Ach.) Zahlbr., *Physcia hispida* var. *tenella* (Scop.) Walt. Watson]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus foliose, to 5 cm diameter, under surface white with scattered dark-tipped rhizines, pale gray. Apothecia scarce, disc black. Substrate: trees and twigs, rarely on rock.

VENTURA CO.: Cuyama Badlands, Ozena Valley at Ozena Campground (*C. Bratt 11189e* Esslinger); Upper Piru Creek, E of Lockwood Peak at 5709 ft (*FHM Crew sn 1994 OSU*); Upper Sespe Creek, SR33 N of Derrydale Creek (*C. Bratt 4129 SBBG*); Ojai Valley, Lake Casitas (*S.C. Tucker 32267 SBBG*).

Also known from Butte, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Kern, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Nevada, Orange, Placer, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Stanislaus, Tehama, Trinity, Tulare, Tuolumne, Yolo Counties.



***Physconia enteroxantha* (Nyl.) Poelt – a Frost Lichen - Physciaceae**

[*Parmelia cyclozelis* var. *lithotea* Ach., *Parmelia subdetersa* (Nyl.) Kernst., *Physcia cyclozelis* var. *lithotea* (Ach.) Ach., *Physcia enteroxantha* Nyl., *Physcia enteroxanthella* (Harm.) H. Olivier, *Physcia grisea* f. *enteroxanthella* (Harm.) Erichsen, *Physcia grisea* var. *enteroxanthella* (Harm.) Servit, *Physcia leucoleiptes* f. *enteroxanthella* (Harm.) Mereschk., *Physcia obscura* var. *lithotea* (Ach.) Nyl., *Physcia pityrea* var. *enteroxanthella* Harm., *Physcia subdetersa* Nyl., *Xanthoria subdetersa* (Nyl.) Horw.]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus foliose, to 6 cm in diameter, lobes linear and discrete, gray-brown to dark brown. Apothecia infrequent to 2 mm in diameter. Substrate: bark, rock, mosses on rock, soil.



VENTURA CO.: Upper Ojai Valley, Dennison Park (*C. Bratt 1168 SBBG*); Sulphur Mountain, ridgetop on UNOCAL property (*C. Bratt 11307 SBBG*); Anacapa Islands, West Anacapa Island on W side of summit (*T. Nash 37115 ASU*).

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Fresno, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mendocino, Modoc, Mono, Monterey, Napa, Nevada, Orange, Plumas,

Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Sutter, Tehama, Trinity, Tulare, Tuolumne, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.

***Physconia fallax* Essl. – a Frost Lichen - Physciaceae**

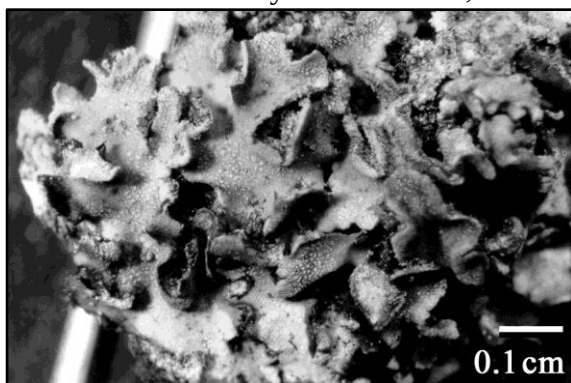
Rarity Ranking: G3, S unranked (S4?), L2

Thallus foliose, to 4.5 cm in diameter, lobes elongate and linear, gray to gray-brown or dark brown, usually pruinose. Apothecia infrequent to 2 mm in diameter. Substrate: bark and sometimes rock.

Ventura County Lichens: Annotated Checklist

By David L. Magney

VENTURA CO.: Cuyama Badlands, Ozena Valley at Ozena Campground (C. Bratt 11189 ASU/DUKE/SBBG); Pine Mountain Ridge, Potero John Canyon near SR33 (C. Bratt 5038 SBBG), Thorn Meadows area (C. Bratt 6231 SBBG); Topatopa Mountains, Sisar Canyon on *Adenostoma fasciculatum* (C. Bratt 1052 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen et al. 9675 UCR); Santa Monica Mountains, Party Rock at 698 m (K. Knudsen 4094 UCR).



Also known from Amador, Calaveras, Contra Costa, Kern, Lassen, Los Angeles, Madera, Monterey, Orange, Placer, Riverside, Sacramento, San Benito, San Bernardino, San Diego, Santa Barbara, Shasta, Siskiyou, Tehama, and Yolo Counties. Photo by Theodore Esslinger.

***Physconia isidiigera* (Zahlbr.) Essl. –Bottlebrush Frost Lichen - Physciaceae**

Rarity Ranking: G3, S unranked (S5?), L3

Thallus foliose to 7cm in diameter, irregular to orbicular, lobes linear to irregular-rounded, gray to brown. Apothecia infrequent to 2 mm diameter. Substrate: bark or wood, and rock.

VENTURA CO.: Cuyama Badlands, Ballinger Canyon at campground (C. Bratt 3281

SBBG), Ozena Valley at Ozena Campground (C. Bratt 11189A, 11190B SBBG); Upper Sespe Creek, SR33 N of Derrydale Creek (C. Bratt 4123 SBBG); Sulphur Mountain, Wheeler Canyon on UNOCAL property (C. Bratt 11299 SBBG); Ventura Hills, Harmon Canyon Preserve at 250 m (R. Reese Naesborg 2754 SBBG); Conejo Mountains, Wildwood Mesa (L. Ross 413 ASU); Simi Hills, Lang Ranch in Woodridge Open Space at 1223 ft (K. Knudsen & T. Sagar 11181 UCR);



Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen et al. 9677 UCR), 0.5 mile SW of Lake Sherwood on *Quercus lobata* (I. Tavares & E. Hutsman sn nd ASU); Santa Monica Mountains, near summit of Sandstone Peak at 3,021 ft (K. Knudsen 8471 UCR), near Lake Eleanor Dam (K. Knudsen et al. 10700 UCR).

Also known from Alameda, Amador, Butte, Calaveras, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Los Angeles, Madera, Mendocino, Merced, Modoc, Monterey, Napa, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Sonoma, Tehama, Trinity, Tulare, Yolo, and Yuba Counties. Photo by Stephen Sharnoff.

Ventura County Lichens: Annotated Checklist

By David L. Magney

Placidium californicum Breuss – California Stipplescale Lichen - Verrucariaceae

Rarity Ranking: G2, S unranked (S2?), L1

Thallus crustose, squamulose, squamules 2-4 mm wide, brown, dull. Perithecia broadly pyriform to subglobose. Substrate: soil, open areas, mostly coastal.

VENTURA CO.: San Nicolas Island, W of NAVFAC on Tranquility Beach (C. Bratt 8241 ASU/SBBG), on central mesa W of borrow pit (C. Bratt 8172 SBBG), along Theodolite Road at 122 m (C. Bratt 12712 NY/SBBG).

Also known from Inyo, Kern, Los Angeles, San Bernardino, San Luis Obispo, and San Diego Counties.



Placocarpus americanus K. Knudsen, Breuss & Kocourk. – American Plate Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S1?), L1. California endemic.

Thallus crustose parasite of dispersed areoles, gray-green, pale gray, grayish-white. Perithecia globose, 0.2-0.3 mm, brownish. Substrate: rock on lichens.

VENTURA CO.: Santa Monica Mountains, on *Protoparmeliopsis muralis* on Conejo Volcanics on slope above SR23 near Lake Eleanor Dam, Conejo Open Space, 34°8'12"N, 118°51'8"W, 297 m (K. Knudsen et al. 10711 UCR).

Also known from Los Angeles and Riverside Counties.



Placopyrenium noxium Breuss – Parasitic Flat Fire Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, rimose-areolate, parasitic on other lichens, tan. Perithecia broadly pyriform to subglobose, colorless. Substrate: lichens on rocks. *Placopyrenium noxium* has only been collected a total of six times at four locations, and the collection on the Ash property represents the first record for the Santa Monica Mountains and second record for Ventura County. It was found from a medium-sized boulder of Conejo Volcanics in the Wildflower Field of Parcel 3, at the edge of the oak woodland. This species is extremely rare and qualifies to be listed as Endangered.



VENTURA CO.: San Guillermo Mountain, 4 miles S of Lockwood Valley Road along road to Mutau Flat (C. Bratt 5085b SBBG); Santa Monica Mountains, on Conejo Volcanics boulder outcrop at edge of the Santa Monica Mountains and Hidden Valley in Wildflower Field, Ventura County on Charles Ash's property at 1430 Hidden Valley Road (K. Knudsen et al. 9656 UCR).

Also known from Los Angeles, Orange, and San Bernardino Counties.

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Placopyrenium stanfordii (Herre) K. Knudsen – Stanford Flat Fire Lichen - Verrucariaceae

[*Placopyrenium zahlbruckneri* (Hasse) Breuss, *Catapyrenium zahlbruckneri* (Hasse) J. W. Thomson, *Dermatocarpon zahlbruckneri* Hasse, *Verrucaria stanfordii* Herre]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, chinky areolate, grayish, lateral parts brown to blackish. Perithecia broadly pyriform to subglobose, pale, browning with age. Substrate: on rocks below 1,000 m. VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics on slope above SR23 near Lake Eleanor Dam, Conejo Open Space, 34°8'10"N, 118°51'13"W, 296 m (K. Knudsen 11241 UCR).

Also known from Alpine, Kern, Lake, Los Angeles, Madera, Monterey, Riverside, San Benito, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Solano, and Tulare Counties.



Placynthiella hyporhoda (Th. Fr.) Coppins & P. James – Spikemoss Tar-spot Lichen – Trapeliaceae

[*Lecidea hyporhoda* Th. Fr., *Lecidea uliginascens* Stirt., *Lecidea uliginosa* f. *hyporhoda* (Th. Fr.) Hedl., *Saccomorpha hyporhoda* (Th. Fr.) Clauzade & Cl. Roux]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, of irregular granules forming areolate crust, dark olive brown to nearly black. Apothecia rounded to slightly deformed or angular, black. Substrate: on coarse soil, sandstone, *Selaginella bigelovii*.

VENTURA CO.: Santa Monica Mountains, below Sandstone Peak at 890 m (K. Knudsen 1964 UCR), Sandstone Peak along Backbone Trail at 838 m (K. Knudsen 8396 UCR), Deals Flat on Beltrami property at 443 m (K. Knudsen & D. Magney 5600 UCR), hilltop E of Little Sycamore Canyon Road near Mishe Mokwa Trail at 668 m (K. Knudsen 6252 UCR).

Also known from Los Angeles, Orange, and San Diego Counties. Photo by Bruce McCune.



Placynthiella knudsenii Lendemer – Knudsen's Rubble or Tar-spot Lichen – Trapeliaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, areolate, dispersed to continuous, dark brown. Apothecia scattered, 06 mm diameter, disc black. Substrate: thin soil over granitic boulders, rock, detritus of *Adenostoma fasciculatum*.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5600, 5610 SBBG); thin-soiled Cenozoic surfaces below Sandstone Peak strewn with rubble (Knudsen & Owe-Larsson 1964 SBBG).

Also known from Kern, Mariposa, Riverside, San Diego, San Luis Obispo, and Trinity Counties.

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Placynthiella knudsenii was described (Lendemer 2004) as thallus terricolous to saxicolous, areolate, dispersed to continuous, dark brown (not olive-gray), esorediate, isidia absent; areoles brown, with distinct margins at early stages of development, surface flat and quickly becoming wrinkled, fissured, and somewhat convex; with age margins of areoles becoming



verruculose and eventually producing structures resembling small cylindrical to flattened isidia (up to ca. 140 μ m tall), these structures overtake the surface of the areole as the cortex and eventually medulla break down giving the appearance of many small overlapping isidioid squamules. Apothecia common, rounded in outline when young, sessile; margins prominent, concolorous with disk, with age becoming flexuous and deformed, eventually excluded; disk

becoming slightly convex (not hemispherical); exciple black, K-, C-, ca. 30 μ m wide; epihymenium brownish, K-C-; hypothecium brown, K-, C-; hymenium brown to yellow-brown or red, pigment turning brown-gray in K and eventually dissolving, ca. 100 μ m tall, IKI+ blue; paraphyses slender, obtuse ellipsoid, often with oil droplets, colorless, 10-12-(14) μ m x 6-8 μ m; pycnidia not seen. The type collection of *P. knudsenii* contains two unknowns by TLC and lacks gyrophoric acid.

Placynthiella knudsenii prefers the compacted soil that overlays granitic boulders as a substrate, and also rock. It is often associated with other soil crusts such as species of *Peltula*, *Psora*, and members of the Verrucariaceae. It is a rare species with only four Southern California occurrences.

***Placynthium nigrum* (Hudson) Gray – Black Rubble Lichen – Placynthiaceae**

[*Biatra corallinoides* var. *fuscum* Hepp, *Biatra fuliginosa* var. *psotina* Fr., *Collema nigrum* (Huds.) Hoffm., *Collema trachypomum* Taylor, *Lecidea microphylla* var. *corallinoides* Schaer., *Lecidea nigra* (Huds.) Ach., *Lecothecium nigrum* (Huds.) A. Massal., *Lecothecium nigrum* f. *fuscum* (Hepp) Mudd, *Lecothecium nigrum* f. *nigrum* (Huds.) A. Massal., *Lichen niger* Huds., *Pannaria nigra* (Huds.) Nyl., *Pannaria nigra* subsp. *nigra* (Huds.) Nyl., *Pannaria nigra* subsp. *psotina* (Nyl.) Cromb., *Pannaria nigra* subsp. *triseptata* (Nyl.) Nyl. ex Cromb., *Pannaria nigra* var. *caespititia* Wedd., *Pannaria nigra* var. *nigra* (Huds.) Nyl., *Pannaria nigra* var. *psotina* Nyl., *Pannaria nigra* var. *triseptata* Nyl., *Pannaria psotina* (Nyl.) Leight., *Pannaria triseptata* (Nyl.) A. Rich., *Pannularia nigra* (Huds.) Nyl., *Pannularia nigra* f. *densata* Harm., *Pannularia nigra* f. *nigra* (Huds.) Nyl., *Pannularia nigra* subsp. *nigra* (Huds.) Nyl., *Pannularia nigra* subsp. *psotina* (Nyl.) Cromb., *Pannularia psotina* (Nyl.) Nyl., *Pannularia triseptata* (Nyl.) Cromb., *Parmelia nigra* (Huds.) Mart., *Parmeliella nigra* (Huds.) Müll. Arg., *Patellaria nigra* (Huds.) Spreng., *Placynthium dolichotermum* f. *triseptatum* (Nyl.) Gyeln., *Placynthium nigrum* f. *agglomeratum* Walt. Watson, *Placynthium nigrum* f. *caespitium* (Wedd.) Walt. Watson, *Placynthium nigrum* f. *corallinodes* (Schaer.) Walt. Watson, *Placynthium nigrum* f. *crustaceum* (Hepp) Walt. Watson, *Placynthium nigrum* f. *nigrum* (Huds.) Gray, *Placynthium nigrum* f. *psotinum* (Nyl.) Walt. Watson, *Placynthium nigrum* f. *triseptatum* (Nyl.) Walt. Watson, *Placynthium nigrum* var. *crustaceum* Hepp, *Placynthium nigrum* var. *fuscum* (Hepp) Trevis., *Placynthium nigrum* var. *nigrum* (Huds.) Gray, *Placynthium nigrum* var. *psotina* (Nyl.) Trevis., *Placynthium nigrum* var. *triseptatum* (Nyl.) Hue, *Placynthium psotinum* (Nyl.) Harm., *Placynthium tremniacum* f. *fuscum* (Hepp) Gyeln., *Placynthium triseptatum* (Nyl.) Vain., *Psora nigra* (Huds.) L. Marchand]

Rarity Ranking: G5, S unranked (S3?), L1

Thallus crustose, small squamulose, to several cm across, squamules irregular, dark olive, brownish to black. Apothecia laminal, lecideine, 0.5-1 mm wide, disc dark brown to black. Substrate: calcareous rocks, soil, or bark.

VENTURA CO.: Chuchupate Valley, Mill Valley Road on rock (*C. Bratt 11655 SBBG*); Matilija Canyon, calcereous rock (*H.E. Hasse 102 FH*);



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North Fork Matilija (*H.E. Hasse* 2375 FH/NY); Nordhoff Ridge, Ilvento Preserve at 1,635 ft; San Nicolas Island.

Also known from Calaveras, Los Angeles, Marin, Mariposa, Monterey, Riverside, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Solano, Sonoma, and Tulare Counties. Photo by Stephen Sharnoff.

Polyscaulium brattiae (W. A. Weber) Arup, Frödén & Sørching – Bratt's Firedot Lichen – Teloschistaceae

[*Caloplaca brattiae* W.A. Weber, *Caloplaca etesia* (Nyl.) Du Rietz, *Gasparrinia etesia* (Nyl.) Oxner, *Lecanora etesia* Nyl.]

Rarity Ranking: G1, S unranked (S3?), L1

Thallus crustose with elongate lobes, yellowish orange. Apothecia lecanorine, orange. Substrate: volcanic and sedimentary rock.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (*K. Knudsen* 5631 UCR), Point Mugu State Park above high tide (*K. Knudsen* 4064.1, 4067.1 UCR); Anacapa Islands, West Anacapa Island above Rat Rock at 60 m (*T. Nash* 37007 ASU/MIN); San Nicolas Island W of Daytona Beach at 15 m (*R. Reese Naesborg* 2400e SBBG).

Also known to occur in Del Norte, Los Angeles, Marin, Monterey, San Francisco, San Luis Obispo, Santa Barbara, Siskiyou, and Sonoma Counties. Photo by Stephen Sharnoff.



Polyscaulium bolacina (Tuck.) Arup, Frödén & Sørching – Waxy Firedot Lichen - Teloschistaceae

[*Caloplaca bolacina* (Tuck.) H. Magn.]

Rarity Ranking: G4, S unranked (S4?), L3

Thallus crustose, squamulose, areolate to subsquamulose w/o elongated lobes, orange. Apothecia adnate, 0.4-138 mm diameter, disc orange. Substrate: non-calcareous rocks.

VENTURA CO.: Ventura Hills, Harmon Canyon Preserve (*R. Reese Naesborg* 2775 SBBG); Camarillo Hills, Camarillo (*R.O. Schuster* 38 DAV); Simi Valley, Santa Susana at Rocky Pointe (*C. Bratt* 11351 SBBG); Conejo Mountains, 4 miles N of Newbury Park (*W.A. Weber* S1746 COLO); Conejo Valley, Thousand Oaks (*H.D. Thiers* 33604 SFSU); Santa Monica Mountains, near Point Mugu at 1200 ft (*R. Riefner Jr* 92-192 SBBG), Deals Flat on Beltrami property (*Knudsen & Magney* 5619 SBBG), Clarks Peak (*U. Arup* sn 17-Mar-1989 LD), near summit of Sandstone Peak at 921 m (*K. Knudsen* 8476 SBBG); Anacapa Islands, West Anacapa Island above Rat Rock (*T.H. Nash III* 37006 ASU), East Anacapa Island W of campground (*K. Knudsen* 5298 PH); San Nicolas Island, E end of island (*T.H. Nash III* 38921 ASU).

Also known from Contra Costa, Del Norte, Humboldt, Kern, Los Angeles, Marin, Mendocino, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, and Sonoma Counties.



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***Polyscaulion candalaria* (L.) Frödén, Arup, & Søchting – Shrubby Sunburst Lichen – Teloschitaceae**

[*Borreria candalaria* (Weber ex F.H. Wigg.) Kickx, *Callospisma candalarium* (L.) Trevis., *Courtoisia candalaria* (L.) L. Marchand, *Diblastia candalaria* (L.) Trevis., *Imbricaria candalaria* (Weber ex F.H. Wigg.) Chevall., *Lecanora candalaria* (L.) Ach., *Lecanora candalaria* var. *candalaria* (L.) Ach., *Lepropinacia candalaria* (Weber ex F.H. Wigg.) A. St.-Hil., *Lichen candalaria* L., *Lobaria candalaria* (L.) Hoffm., *Massjukiella candalaria* (L.) S.Y. Kondr., Fedorenko, S. Stenroos, Kärnefelt, Elix, Hur & A. Thell, *Parmelia candalaria* (Weber ex F.H. Wigg.) Ach., *Parmelia candalaria* var. *candalaria* (Weber ex F.H. Wigg.) Ach., *Parmelia candalaria* var. *lychnea* Ach., *Parmelia parietina* f. *candalaria* (L.) Körb., *Parmelia parietina* var. *lychnea* (Ach.) Fr., *Parmelia parietina* var. *pygmaea* Bory, *Parmocarpus pygmaeus* (Fr.) Trevis., *Patellaria candalaria* (L.) DC., *Physcia candalaria* (Weber ex F.H. Wigg.) Anzi, *Physcia candalaria* var. *candalaria* (Weber ex F.H. Wigg.) Anzi, *Physcia controversa* var. *lychnea* (Ach.) Rabenh., *Physcia lychnea* (Ach.) Nyl., *Physcia lychnea* f. *lychnea* (Ach.) Nyl., *Physcia lychnea* var. *lychnea* (Ach.) Nyl., *Physcia parietina* subsp. *lychnea* (Ach.) Nyl., *Physcia parietina* var. *lychnea* (Ach.) A. Massal., *Physcia polycarpa* var. *lychnea* (Ach.) Vain., *Placodium candalarium* Weber ex F.H. Wigg., *Placodium candalarium* f. *candalarium* (L.) Weber ex F.H. Wigg., *Placodium candalarium* var. *candalarium* (L.) Weber ex F.H. Wigg., *Psora candalaria* (L.) Baumg., *Psoroma candalarium* (L.) Gray, *Pyrenodesmia candalaria* (Weber ex F.H. Wigg.) Trevis., *Squamaria candalaria* (L.) Howitt, *Squamaria candalaria* var. *candalaria* (L.) Howitt, *Teloschistes candalaria* (L.) Fink, *Teloschistes candalaria* var. *candalaria* (L.) Fink, *Teloschistes candalaria* var. *pygmaeus* (Bory) Fink, *Teloschistes controversus* var. *lychneus* (Ach.) Müll.Arg., *Teloschistes lychneus* (Ach.) Tuck., *Teloschistes parietinus* var. *lychneus* (Ach.) F. Wilson, *Xanthoria candalaria* (L.) Th. Fr., *Xanthoria candalaria* f. *candalaria* (L.) Th. Fr., *Xanthoria candalaria* var. *candalaria* (L.) Th. Fr., *Xanthoria controversa* var. *lychnea* (Ach.) Rabenh., *Xanthoria lychnea* (Ach.) Th. Fr., *Xanthoria lychnea* f. *lychnea* (Ach.) Th. Fr., *Xanthoria lychnea* var. *lychnea* (Ach.) Th. Fr., *Xanthoria lychnea* var. *pygmaea* (Borrer) Th. Fr., *Xanthoria nowakii* S.Y. Kondr. & Bielczyk]

Rarity Ranking: G5, S unranked (S5?), L3

Thallus foliose to subfruticose, forming small cushions to 3 cm wide or extensive colonies, lobate, lobes dorsiventral to subterete, 0.2-0.5 mm wide, yellow to light orange. Apothecia rare, laminal or appearing terminal, to 4 mm diam., disc orange. Substrate: bark, rock, and detritus.

VENTURA CO.: Cuyama Badlands, Quatal Canyon at 4,100 ft (W. Foss sn 1-Jul-1998

OSU); Mount Pinos, on county line on granite (R. Mower 1577094 ASU); Topatopa Mountains, head of Bear Canyon at 1524 m (C. Bratt 994 SBBG); Laguna Ridge, along SR150 at 600 ft (E. Schmidt 1058 WIS); Ojai Valley, Lake Casitas at Bass CG on dead *Salix* branches (G. Perlmutter 4237 NCU); Sulphur Mountain, Wheeler Canyon on UNOCAL property (C. Bratt 11303 SBBG); Ventura Hills, head of Sanjon Canyon on Mariano property on wood fence post at 334 m (R. Reese Naesborg 2842 SBBG) next to radio tower on



Crimea Road at 349 m on bark of *Eucalyptus camaldulensis* (R. Reese Naesborg 2828 SBBG), Harmon Canyon preserve maintenance area at 129 m (R. Reese Naesborg 2742 SBBG), Aliso Canyon 3 miles N of Telegraph Road on *Quercus agrifolia* at 800 ft (M. Cole 1218 WIS); Santa Monica Mountains?; Anacapa Islands, West Anacapa Island on W end above Rat Rock at 60 m (T. Nash 37032 ASU), West Anacapa Island in Box Canyon at 91 m (C. Bratt 8702 SBBG), East Anacapa Island on N side at 52 m (K. Knudsen 10916 NY); San Nicolas Island, W end above S side at 71 m (K. Knudsen 16702 NY), E of commissary at 100 m (T. Nash 38853 ASH), near Twin Towers at 274 m (C. Bratt 11959 SBBG).

Also known from Alameda, Alpine, Amador, Calaveras, Colusa, Contra Costa, Del Norte, Humboldt, Inyo, Kern, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Mono, Monterey, Napa, Nevada, Orange, Placer, Plumas, Sacramento, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tuolumne, and Yolo Counties. Photo by Troy McMullin.

***Polyscaulion ignea* (Arup) Arup, Frödén & Søchting – Flame Firedot Lichen – Teloschistaceae**

[*Caloplaca ignea* Arup, *Igneoplaca ignea* (Arup) S.Y. Kondr., Kärnefelt, Elix, A. Thell, Jung Kim, M.H. Jeong, N.N. Yu, A.S. Kondr. & Hur]

Rarity Ranking: G4, S unranked (S5?), L2

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Thallus crustose with elongated lobes 0.7-3 mm long, red to orange. Apothecia adnate or stipitate, lecanorine, 0.3-1 mm diam., disc red or orange. Substrate: rocks.

VENTURA CO.: Cuyama Badlands, along SR33 (E. Schmidt 894 US); Ojai Valley, Ventura River S of Santa Ana Blvd bridge at 118 ft (G.B. Perlmutter 8 NCU); Camarillo Hills, Camarillo (R. Schuster 37 COLO); Santa Rosa Valley, Hill Canyon Road near Santa Rosa Park at 70 m (Schuster 37 ASU); Conejo Mountains, N of Newbury Park (W.A. Weber S-1733 ASU); Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen et al. 9651 SBBG); Santa Monica Mountains, Clarks Peak (U. Arup sn 17-Mar-1989 LD). Photo by Frank Bungartz. Also known from Alameda, Butte, Calaveras, Colusa, Contra Costa, Imperial, Kern, Lassen, Los Angeles, Madera, Marin, Mariposa, Merced, Mono, Monterey, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Sonoma, Stanislaus, Sutter, Tulare, and Yolo Counties.



Polyscaenia impolita (Arup) Arup, Frödén & Søchting – Fan-lobed Firedot Lichen - Teloschistaceae

[*Caloplaca impolita* Arup]

Rarity Ranking: G4, S unranked (S4?), L3

Thallus crustose, elongate lobed, orange to red-orange. Apothecia adnate, orange. Substrate: rock, sometimes bark.

VENTURA CO.: Upper Sespe Creek, Potrero John Creek at 3,000 ft (C. Bratt 5040a SBBG); Topatopa Mountains, Sesar Canyon Rd (M. Cole 1233SBBG); Santa Rosa Valley, Hill Canyon Road near Santa Rosa Park (R. Riefner 87-86 ASU); Simi Valley, Santa Susana at Rocky Pointe (C. Bratt 11360 SBBG); Oxnard Plain, along Hueneme Road 2 miles S of Lewis Road (R. Riefner 87-68 COLO); Conejo Mountains, N slope Conejo Mountain above Conejo Creek at 99 m (K. Knudsen 4044 SBBG), mouth of Hill Canyon near Santa Rosa Park at 70 m (R. Riefner 87-68 ASU); Santa Monica Mountains, W of Deals Flat on Calderon property (D. Magney 138-24 UCSB), Deals Flat on Beltrami property (Knudsen & Magney 5618 SBBG); Anacapa Islands, West Anacapa Island above Rat Rock (T.H. Nash III 37007 ASU), West Anacapa Island at W end (C. Bratt 9172 SBBG), East Anacapa Island (K. Knudsen 10721, 10742 SBBG).

Also known from Alameda, Alpine, Contra Costa, Fresno, Kern, Los Angeles, Marin, Monterey, Orange, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Solano, Sonoma, Sutter, and Tulare Counties.



Left: photo by David Magney. Right: photo by Stephen Sharnoff

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***Polycauliona luteominia* (Tuck.) Arup, Frödén & Søchting – Bolander Red Firedot Lichen – Teloschistaceae**

[*Caloplaca luteominia* var. *bolanderi* (Tuck.) Arup, *Blastenia luteominia* (Tuck.) Hasse, *Caloplaca bolanderi* (Tuck.) H. Magn., *Caloplaca ferruginea* f. *bolanderi* (Tuck.) Zahlbr., *Caloplaca laeta* H. Magn., *Caloplaca luteominia* (Tuck.) Zahlbr., *Caloplaca luteominia* var. *bolanderi* (Tuck.) Arup, *Caloplaca luteominia* var. *luteominia* (Tuck.) Zahlbr., *Lecidea luteominia* (Tuck.) Hue, *Placodium ferrugineum* f. *bolanderi* Tuck., *Polycauliona luteominia* var. *bolanderi* (Tuck.) Arup, Frödén & Søchting, *Polycauliona luteominia* var. *luteominia*, *Tomnashia luteominia* (Tuck.) S.Y. Kondr. & Hur]

Rarity Ranking: G2G3, S2.2, L2.

Thallus crustose, little or none, crustose or areolate, orange to gray. Apothecia lecanorine, adnate, 0.4-0.8 mm diam., disc orange. Substrate: on soil, rocks.

VENTURA CO.: Upper Sespe Creek, mouth of Potrero John Canyon at 3000 ft (C. Bratt & W.A. Weber 5039 COLO), Sespe Gorge (Hamber 5 ASU), Derrydale Creek at 914 m (C. Bratt 5030 ASU); Matilija Canyon, on sandstone boulders 3.5 miles W of Matilija Hot Springs at 1500 ft (W.A. Weber S-1035 COLO); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10400 SBBG); Simi Valley, Rocky Pointe Park in Santa Susana (C. Bratt 11346 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property at 425 m (K. Knudsen & D. Magney 5603 SBBG), Little Sycamore Canyon along Yerba Buena Road (K. Knudsen 3701 SBBG); Anacapa Islands, West Anacapa Island; San Nicolas Island.

Also known from Counties.

Caloplaca luteominia var. *bolanderi* is a crustose-type lichen in the Teloschistaceae family.

The thallus is often entirely within the rock (endolithic), or areolate with continuous or scattered pale brown to pinkish areoles. Apothecia are scarlet or pale red, generally 0.6-1.2 mm in diameter.

The apothecia margin is paler than the disk, essentially biatorine (lacking algae), or rarely with a very thin, outer thalline layer. The spores are 14-20 X 4-7.5(-8.5) μ m, and polarilocular, with septa generally 2-3 mm wide. (Brodo et al. 2001.)

Caloplaca luteominia var. *bolanderi* is found growing on rocks (saxicolous) of all types, from the upper intertidal zone to shaded sites in coastal mountains.

Red apothecia as shown in the photo below are absolutely diagnostic of this subspecies. It is now apparently rare in some areas due to development.

Photo by Matthias Schultz.



***Polycauliona polycarpa* (Hoffm.) Frödén, Arup, & Søchting – Pincushion Sunburst Lichen – Teloschistaceae**

[*Lecanora candelaria* var. *polycarpa* (Hoffm.) Ach., *Lichen polycarpus* (Hoffm.) Ehrh., *Lobaria polycarpa* Hoffm., *Massjukiella polycarpa* (Hoffm.) S.Y. Kondr., Fedorenko, S. Stenroos, Känefelt, Elix, Hur & A. Thell, *Physcia parietina* var. *polycarpa* (Hoffm.) A. Massal., *Physcia parietina* var. *ramulosa* Tuck., *Physcia polycarpa* (Hoffm.) Linds., *Physcia polycarpa* f. *polycarpa* (Hoffm.) Linds., *Physcia polycarpa* var. *polycarpa* (Hoffm.) Linds., *Psoroma polycarpum* (Hoffm.) Gray, *Squamaria candelaria* var. *polycarpa* (Hoffm.) Hook., *Teloschistes polycarpus* (Ehrh.) Tuck., *Teloschistes ramulosus* Tuck., *Xanthoria alaskana* J.W. Thomson, *Xanthoria lychnea* var. *polycarpa* (Ehrh.) Th. Fr., *Xanthoria polycarpa* (Hoffm.) Rieber, *Xanthoria polycarpa* f. *polycarpa* (Hoffm.) Rieber, *Xanthoria polycarpa* var. *maritima* I.M. Lamb, *Xanthoria polycarpa* var. *polycarpa* (Hoffm.) Rieber, *Xanthoria polycarpa* (Hoffm.) Rieber]

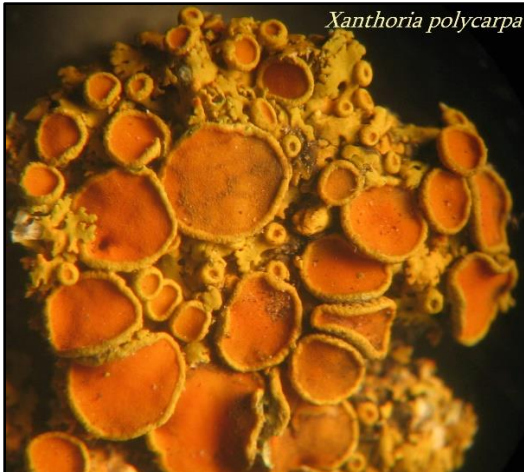
Rarity Ranking: G5, S unranked (S5?), L2

Thallus foliose forming small cushions to 3 cm wide, tightly adnate, lobate, yellow to bright orange. Apothecia abundant, laminal, orange. Substrate: bark, mostly twigs.

VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1178 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°6'31"N, 118°55'10"W at 355 m (K. Knudsen et al. 9681 UCR); Santa Monica Mountains, Deals Flat on Beltrami property, Deals Flat on Calderon property.

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Also known from Alameda, Amador, Butte, Calaveras, Contra Costa, El Dorado, Fresno, Glenn, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Merced, Modoc, Monterey, Napa, Nevada, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Sierra, Siskiyou, Sonoma, Stanislaus, Tulare, Tuolumne, Yolo, and Yuba Counties.

Polyschista stellata (Wetmore & Kärnefelt) Arup, Frödén & Sørø – Star Firedot Lichen – Teloschistaceae

[*Caloplaca stellata* Wetmore & Kärnefelt, *Massjukiella stellata* (Wetmore & Kärnefelt) S.Y. Kondr.]

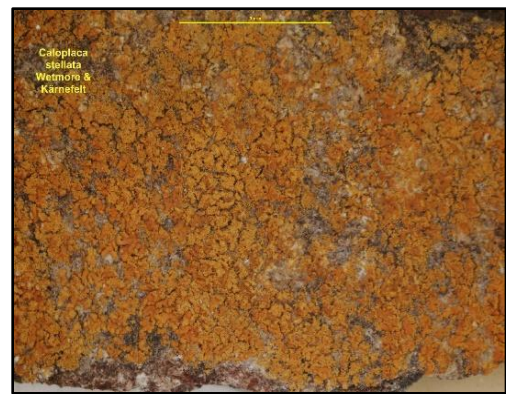
Rarity Ranking: G4, S unranked (S4?), L2

Thallus crustose, elongate lobed, orange, smooth.

Apothecia rare, adnate or stipitate, 0.2-0.9 mm diam., disc orange. Substrate: non-calcareous rocks.

VENTURA CO.: Santa Monica Mountains, top of Deer Creek at 407 m (K. Knudsen 4071 PH, 4070, 4071 CAS/SBBG/UCR), Deals Flat on Beltrami property (Knudsen & Magney 5629, 5630 UCR).

Also known from Alameda, Fresno, Inyo, Los Angeles, Madera, Marin, Mariposa, Merced, Monterey, Napa, Nevada, Orange, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Shasta, Siskiyou, Solano, Stanislaus, Tulare, and Tuolumne Counties.



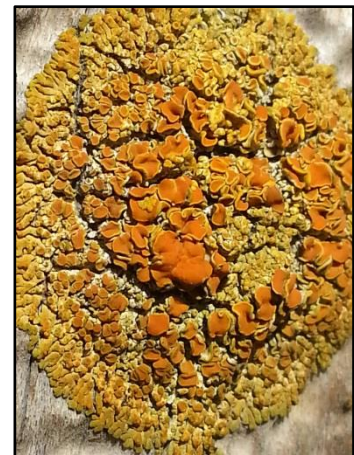
Polyschista tenax (L. Lindbl.) Frödén, Arup, & Sørø – Tenaceous Orangebush Lichen – Teloschistaceae

[*Xanthoria tenax* L. Lindbl.]

Rarity Ranking: G unranked, S unranked (S5?), L2

Thallus foliose to subcrostose, forming small rosettes to 2.5 cm wide, tightly adnate, lobate, lobes dorsiventral, 0.2-0.7 mm wide, yellow to orange, smooth, slightly to heavily pruinose, esorediate. Apothecia common, laminal, sessile, to 3 mm diam., disc orange. Substrate: bark, often on twigs.

VENTURA CO.: Cuyama Badlands, Quatal Canyon at 4,100 ft (C. Coon sn 6-Nov-2001 OSU); Ventura Hills, Hall Canyon W of Hall Canyon Road on Mariano property at 81 m (R. Reese Naesborg 2855 SBBG), Sanjon Canyon on Mariano property at



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194 m (R. Reese Naesborg 2880 SBBG); Anacapa Islands, West Anacapa Island on west end terrace (K. Knudsen 10900.1 UCR); San Nicolas Island, E of commissary (T. Nash 38854 ASU), base of L Canyon at 30 m (C. Bratt 7960 ASU/SBBG), near NAVFAC (T. Nash 38649, 38868 ASU), behind pine grove by Navy Post Exchange (S. Tucker 33771 SBBG). Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Fresno, Glenn, Kern, Los Angeles, Merced, Monterey, Napa, Orange, Plumas, Riverside, Sacramento, San Benito, San Joaquin, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, Stanislaus, Sutter, Tehama, Tulare, and Yolo Counties. Photo by Jason Dart.

***Polyscauliona tenuiloba* (L. Lindbl.) Frödén, Arup, & Søchting – Slender-lobed Sunburst Lichen – Teloschitaceae**

[*Xanthoria tenuiloba* L. Lindbl.]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus subfruticose to fruticose, forming small cushions to 1.5 cm wide, lobate, lobes dorsiventral, raised, 0.1-0.6 mm wide, tips terete, dodulose, 0.05-0.2 mm wide, gray or yellow to orange, smooth, sorediate, soredia granular. Apothecia common but scattered, laminal, to 2 mm diam., disc orange.

Substrate: dry twigs.

VENTURA CO.: San Nicolas Island, near Tufts Road (T. Nash 38784a ASU).

Also known from San Diego, San Luis Obispo, and Santa Cruz Counties.



Polysporina simplex* = *Acarospora privigna

***Protoparmelia badia* (Hoffm.) Hafellner – Chocolate Rim Lichen - Lecanoraceae**

[*Lecanora badia* [Hoffm.] Ach., *Lecanora badia* f. *badia* (Pers.) Ach., *Lecanora badia* f. *pallescent* Harm., *Lecanora badia* f. *rosea* Lynge, *Lecanora badia* subsp. *badia* (Hoffm.) Ach., *Lecanora badia* subsp. *picea*, *Lecanora badia* var. *badia* (Pers.) Ach., *Lecanora badia* var. *biatorina* Kremp., *Lecanora badia* var. *cinerascens* Flot., *Lecanora badia* var. *cinereobadia* Harm., *Lecanora badia* var. *crassa* Hellb., *Lecanora badia* var. *cupreobadia* (Nyl.) Boistel, *Lecanora badia* var. *fuscobrunnea* Nyl., *Lecanora badia* var. *major* (Schaer.) Rabenh., *Lecanora badia* var. *picea* (Dicks.) Link, *Lecanora badia* var. *spermogonians* Räsänen, *Lecanora grandis* H. Magn., *Lecanora picea* (Dicks.) Nyl., *Lichen badius* (Hoffm.) Ach., *Lichen piceus* Dicks., *Parmelia badia* (Hoffm.) Hepp, *Parmelia badia* var. *badia* (Hoffm.) Hepp, *Parmelia badia* var. *major* Schaer., *Patellaria badia* (Hoffm.) DC., *Rinodina badia* (Hoffm.) Gray, *Solenopsora badia* (Hoffm.) M. Choisy & Werner, *Solenopsora badia* f. *pallescent* (Harm.) M. Choisy & Werner, *Solenopsora badia* var. *badia* (Hoffm.) M. Choisy & Werner, *Solenopsora badia* var. *cinerascens* (Flot.) M. Choisy, *Verrucaria badia* Hoffm.]

Rarity Ranking: G4, S unranked (S4?), L1

Thallus crustose, to 10 cm diam, gray- or yellow-brown, or dark brown. Apothecia crowded, chestnut brown to dark brown or brownish black or mottled. Substrate: rock, on cliffs or large boulders.

VENTURA CO.: Santa Monica Mountains, on outcrops in coastal sage scrub near Pt. Mugu (Riefner 92-129 WIS).

Also known from Alpine, Amador, Del Norte, El Dorado, Fresno, Inyo, Kern, Los Angeles, Marin, Merced, Modoc, Riverside, San Benito, San Bernardino, San Francisco, San Mateo, Santa Barbara, Sonoma, and Tulare Counties. Photo by Stephen Sharnoff.



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***Protoparmeliopsis muralis* (Schreber) Rabenh. – Stonewall Rim Lichen – Lecanoraceae**

[*Lecanora muralis* Schreber, *Gasparrinia saxicola* (Pollich) Tornab., *Lecanora diffracta* Ach., *Lecanora muralis* (Schreber) Rabenh., *Lecanora muralis* f. *muralis* (Schreb.) Rabenh., *Lecanora muralis* subsp. *dubyi* (Müll. Arg.) Poelt, *Lecanora muralis* subsp. *muralis* (Schreb.) Rabenh., *Lecanora muralis* subsp. *versicolor* (Pers.) Cl. Roux, *Lecanora muralis* var. *albomarginata* (Nyl. ex Th. Fr.) Tomin, *Lecanora muralis* var. *areolate* (Leight.) J. Steiner, *Lecanora muralis* var. *muralis* (Schreb.) Rabenh., *Lecanora muralis* var. *muralis* (Schreb.) (Schreb.), *Lecanora muralis* var. *versicolor* (Pers.) Tuck., *Lecanora semitensis* Tuck., *Lecanora versicolor* (Pers.) Ach., *Placodium murorum* var. *pusillum* (Trevis.) Malbr.]

Rarity Ranking: G5, S unranked (S5?), L4

Thallus crustose, placodioid, 1.5-3.5 cm + wide, areolate to squamulose, grayish yellow green to pale greenish yellow, grayish yellow, more yellow towards lobe tips. Apothecia few to crowded towards thallus center, disc light yellow to pale to dark yellow, orange- or red-brown or backening. Substrate: basalt, punice, rhyolite, ganite, sandstone, limestone, sometimes on bark.



VENTURA CO.: Chuchupate Valley, Mill Valley Road (C. Bratt 11642, 11643 SBBG); Pine Mountain Ridge, Reyes Peak Road 1 mile E of SR33 (M. Hale 55619 US); Matilija Canyon, 6 km W of Matilija Hot Springs (W. Beber S-1026 ASU); North Fork Matilija Creek, Wheeler Springs (M. Cole 1273 SBBG); Nordhoff Ridge, Sheldon Canyon near Cozy Dell Trail at 84 m (G. Perlmutter 4 NCU); Topatopa Mountains, Sisar Canyon along road (M. Cole 1237 MIN); Ojai Valley, Lake Casitas in picnic area above Santa Ana Creek (G. Perlmutter 4196 NCU); Ventura Hills, Harmon

Canyon Preserve along Harmon Creek at 280 m (R. Reese Naesborg 2736 SBBG); Santa Paula Peak, Toland Road Landfill (C. Bratt 10408, 10409 SBBG); Simi Valley, Rocky Pointe Park at 335 m (C. Bratt 11323, 11338 SBBG); Conejo Mountains, 6 km N of Newbury Park (W. Weber S-1743 ASU), N slope Conejo Mountain above creek (J. Lendemer & K. Knudsen 11441 NY); Simi Hills, Box Canyon at Pioneer Summit at 520 m (W. Weber L-42674 ASU); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen et al. 9668.1 UCR), near Commencias Ranch at 600 m (B. Ryan 11188, 11189 ASU); Santa Monica Mountains, Sandstone Peak near summit at 810 m (Brodo et al. 31787 CANL, K. Knudsen 8462 UCR), Calderon property W of Deals Flat (D. Magney 121-24 UCSB), Deals Flat on Beltrami property, Party Rock above Carlisle Canyon at 697 m (J. Lendemer & K. Knudsen 11506 NY), below trail to Tri-Peaks at 829 m (K. Knudsen 8489 UCR); Anacapa Islands, West Anacapa Island on plateau above W-end terrace at 122 m (K. Knudsen 10812-2 UCR).

Also known from Alpine, Amador, Butte, Colusa, Contra Costa, El Dorado, Fresno, Humboldt, Imperial, Inyo, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Merced, Modoc, Mono, Monterey, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yolo Counties.

***Psora decipiens* (Hedwig) Hoffm. – Blushing Scale Lichen – Psoraceae**

[*Biatora decipiens* (Hedw.) Fr., *Lecidea decipiens* Ach., *Lecidea decipiens* f. *circumpruinata* Servit, *Lecidea decipiens* f. *decipiens* (Hedw.) Ach., *Lecidea decipiens* f. *endorubescens* Servit, *Lecidea decipiens* var. *albomarginata* (Müll. Arg.) Zahlbr., *Lecidea decipiens* var. *decipiens* (Hedw.) Ach., *Lecidea decipiens* var. *galactina* Zahlbr., *Lecidea decipiens* var. *olympica* Szatala ex Gyeln., *Lepidoma decipiens* (Hedw.) Gray, *Lichen decipiens* Hedw., *Parmelia decipiens* (Hedw.) Mart., *Patellaria decipiens* (Hedw.) Wallr., *Peltiphylla decipiens* (Hedw.) M. Choisy, *Peltiphylla decipiens* var. *albomarginata* (Müll. Arg.) M. Choisy, *Peltiphylla decipiens* var. *decipiens* (Hedw.) M. Choisy, *Psora decipiens* var.

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albomarginata Müll.Arg., *Schaereria decipiens* (Hedw.) Gyeln., *Schaereria decipiens* var. *decipiens* (Hedw.) Gyeln., *Schaereria decipiens* var. *olympica* (Szatala) Gyeln.]

Rarity Ranking: G5, S unranked (S3?), L1

Thallus squamulose, squamules to 6 mm wide, rounded, orange to bright red or rose.

Apothecia black. Substrate: calciferous soil and rock crevices.

VENTURA CO.: Ojai Valley, Rice Canyon on vertical N-facing sandstone cliff face at 940 ft (*D. Magney* 17-24 UCSB).

Also known from Contra Costa, Imperial, Inyo, Kern, Los Angeles, Mariposa, Monterey, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Stanislaus, and Tulare Counties.



Psora luridella (Tuck.) Fink – Pale Scale Lichen – Psoraceae

[*Lecidea luridella* Tuck.]

Rarity Ranking: G2, S unranked (S3?), L2

Thallus crustose, squamules to 4 mm wide, medium brown to dark brown, dull. Apothecia laminal, to 1.5 mm diam., dark brown to black. Substrate: soil, rock, arid sites.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (*C. Bratt* 7043 ASU); Conejo Valley, Thousand Oaks (*H. Theirs* 33655 ASU); Simi Hills, Lang Ranch (*K. Knudsen* 11171 UCR).

Also known from Inyo, Kern, Los Angeles, Marin, Mono, Monterey, Orange, Riverside, San Bernardino, San Diego, Santa Barbara, Santa Clara, and Siskiyou Counties. Photo by Jason Hollinger.



Psora pacifica Timdal – Pacific Scale Lichen - Psoraceae

Rarity Ranking: G3, S unranked (S3?), L1



Thallus crustose, squamulose, squamules to 3 mm wide, medium to castaneous brown, dull. Apothecia laminal, to 1.3 mm diam. Substrate: soil in open habitats.

VENTURA CO.: Conejo Mountains, 4 mi N of Newbury Park (*W.A. Weber* sn 29-Dec-1952 ASU); Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney* 5590, 5594 SBBG), hilltop E of Little Sycamore Canyon Rd near Mishe Mokwa Trail at 668 m

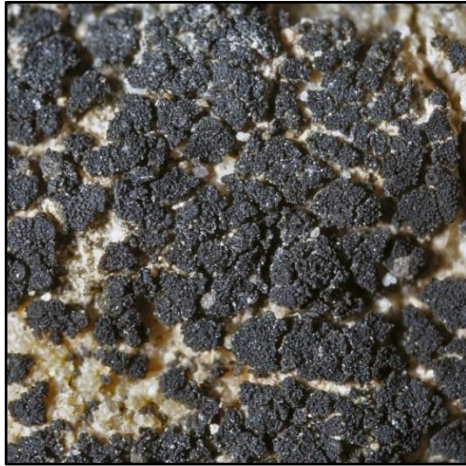
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(*K. Knudsen et al.* 6253 SBBG/UC), along Decker Canyon Rd/SR23 (*H.D. Thiers* 33618 ASU).

Also known from Contra Costa, Lake, Los Angeles, Marin, Mariposa, Monterey, Orange, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, Sonoma, and Tulare Counties. Photo by Stephen Sharnoff.

Psorotichia hassei Fink ex J. Hedrick – Hasse's Rock-crack Lichen - Lichinaceae



Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus crustose areolate to granulose, often spreading along rock crevices. Apothecia laminal, sessile to 0.2-0.5 mm wide, disc black or dark red. Substrate: rock. VENTURA CO.: San Nicolas Island, along Theodolite Road (*T. Nash* 38775b ASU).

Also known to occur in Riverside, San Bernardino, San Diego, and Santa Barbara Counties. Photo by Matthias Schultz.

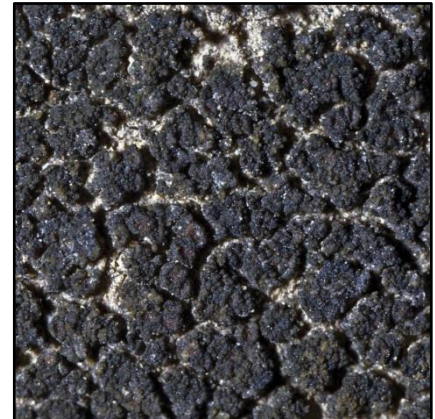
Psorotichia schaeferi (A. Massal.) Arnold – Schaefer's Rock Lichen – Lichinaceae

[*Biatora schaeferi* (A. Massal.) Hepp, *Pannaria schaeferi* A. Massal., *Pannaria schaeferi* var. *arenaria* Arnold, *Pannaria schaeferi* var. *schaeferi* A. Massal., *Psorotichia schaeferi* (A. Massal.) Arnold, *Pyrenopsis schaeferi* (A. Massal.) Nyl., *Synalissa schaeferi* (A. Massal.) Tuck., *Trachyderma schaeferi* (A. Massal.) Trevis.]

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus crustose areolate to granulose, black, dull, rough. Apothecia 1-2 per areole, disc dark red. Substrate: usually mossy rocks.

VENTURA CO.: Matilija Canyon (*H. Hasse* 411 ASU/FH); San Nicolas Island (*K. Knudsen* 8148 ASU).

Also known in Los Angeles, San Diego, San Luis Obispo, and Santa Barbara Counties. Photo by Mathias Schultz.



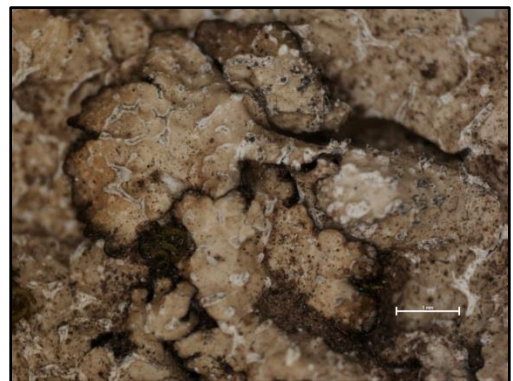
Punctelia punctilla (Hale) Krog. – Prickly Speckled Shield Lichen - Parmeliaceae

[*Parmelia punctilla* Hale]

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus foliose, tightly adnate to rocks, to 5 cm diam., light mineral gray with shiny dark gray-brown margin. Apothecia not seen. Substrate: rocks in coastal areas.

VENTURA CO.: Oxnard Plain, along Hueneme Road 2 miles S of Lewis Road at base of rock outcrop (*R. Riefner* 87-69 SBBG); Conejo Mountains, outcrops on Conejo Mountain (*Riefner* 92-53), mouth of Hill Canyon (*R. Riefner* 20-258 ASU).

Previously known in North America only from the Point Mugu-Long Grade Canyon area of Ventura Co. It was identified by the late Mason Hale, Jr. (Riefner 1989).



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Also known from Los Angeles, San Benito, Santa Barbara, and Siskiyou Counties.

***Ramalina farinacea* (L.) Ach. – Dotted Strap Lichen – Ramalinaceae**

[*Lichen farinaceus* L., *Lobaria farinacea* (L.) Hoffm., *Parmelia farinacea* (L.) Ach., *Parmelia farinacea* f. *farinacea* (L.) Ach., *Parmelia farinacea* f. *glauca* Bitter, *Parmelia farinacea* f. *obscura* Bitter, *Parmelia farinacea* var. *canaliculata* Clemente, *Parmelia farinacea* var. *farinacea* (L.) Ach., *Parmelia farinacea* var. *obscurascens* Bitter, *Parmelia farinacea* var. *pendulina* Ach., *Parmelia farinacea* var. *phalerata* Ach., *Parmelia fraxinea* var. *farinacea* (L.) Schaer., *Physcia farinacea* (L.) DC., *Platysma farinaceum* (L.) Frege, *Ramalina farinacea* f. *farinacea* (L.) Ach., *Ramalina farinacea* f. *phalerata* (Ach.) Räsänen, *Ramalina farinacea* f. *rubescens* Räsänen, *Ramalina farinacea* subsp. *farinacea* (L.) Ach., *Ramalina farinacea* subsp. *reagens* (B. de Lesd.) Werner, *Ramalina farinacea* var. *farinacea* (L.) Ach., *Ramalina farinacea* var. *hypoprotocetrarica* (W.L. Culb.) D. Hawksw., *Ramalina farinacea* var. *multifida* Ach., *Ramalina farinacea* var. *pendulina* (Ach.) Ach., *Ramalina farinacea* var. *phalerata* (Ach.) Ach., *Ramalina farinacea* var. *reagens* B. de Lesd., *Ramalina hypoprotocetrarica* Culb., *Ramalina multifida* (Ach.) Röhl., *Ramalina pendulina* (Ach.) Röhl., *Ramalina phalerata* (Ach.) Röhl., *Ramalina reagens* (B. de Lesd.) Culb., *Ramalina subfarinacea* var. *reagens* (B. de Lesd.) D. Hawksw., *Ramalina subfarinacea* var. *salazinicola* D. Hawksw.]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus fruticose, shrubby or tufted to 7(-15) cm long, irregularly or dichotomously branched from a narrow holdfast, branches solid, greenish gray to greenish yellow, smooth, shiny.

Apothecia rare, laminal, disc covered with thin pruina. Substrate: bark, rarely on rock.

VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1148 SBBG); Ventura Hills,

Harmon Canyon in oak grove along Family Farr Trail at 272 m (R. Reese Naesborg 2766 SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. - 34°8'30"N, 118°55'6"W at 362 m (K. Knudsen et al. 9634 UCR); Santa Monica Mountains, Deals Flat on Calderon property (D. Magney 118-24 UCSB); Anacapa Islands, West Anacapa Island on west end plateau (T. Nash 37054 ASU).

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Humboldt, Kern, Lake, Los Angeles, Madera, Marin, Mendocino, Monterey, Napa, Nevada, Orange, Plumas, Riverside, Sacrament, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Trinity, Tulare, Tuolumne, Yolo Counties.



***Ramalina leptocarpha* Tuck. – Western Strap Lichen – Ramalinaceae**

[*Ramalina leptocarpha* Tuck. [orthographic error], *Ramalina menziesii* Tuck. nom. illegit. (non Taylor), *Ramalina subfraxinea* subsp. *menziesii* Nyl.]

Rarity Ranking: G3, S unranked (S3?), L1

Thallus fruticose, shrubby to subpendulous to 7 cm long, irregularly or dichotomously branched from narrow holdfast, branches solid, greenish gray to greenish yellow. Apothecia common, cubmarginal to 1-3 mm diam., disc concave.

Substrate: bark.

VENTURA CO.: Upper Ojai Valley, Dennison Park (C. Bratt 1175 SBBG); Hidden Valley, near Commencias Ranch at 600 m (J. Marsh 7798 ASU); Anacapa Islands, West Anacapa Island on west end plateau (T. Nash 37075 ASU); San Nicolas Island, E of commissary (T. Nash 38860 ASU), gullies behind Tranquility Beach (T. Nash 38866 ASU).



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Also known from Alameda, Butte, Calaveras, Contra Costa, Los Angeles, Marin, Mendocino, Monterey, Napa, San Benito, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, and Sonoma Counties.

Ramalina subleptocarpa Rundel & Bowler – Slit-rimmed Strap Lichen - Ramalinaceae

Rarity Ranking: G4, S unranked (S4?), L2

Thallus fruticose, shrubby or subpendulous to 7 cm long, branching aparingly and dichotomously from narrow holdfast, branches solid, greenish gray to greenish yellow, lacunose, shiny. Apothecia not seen. Substrate: bark.



VENTURA CO.: Ventura Hills, grassy SE-facing slope near ridgetop in Harmon Canyon Preserve at 269 m (*R. Reese Naesborg* 2671 SBBG), along Harmon Creek at 307 m (*R. Reese Naesborg* 2711 SBBG); Oxnard Plain, McGrath State Beach (*G. Permuter* 3728 NCU); Santa Monica Mountains, on *Malacothamnus fasciculatum* in Sycamore Canyon, Point Mugu State Park at 34.13611°N by 119.00417°W at 213 m (*K. Knudsen & T. Sagar* 11222 UCR), upper La Jolla Valley (*K. Knudsen et al.* 11570 UCR); Anacapa Islands, West Anacapa Island between Rat Rock and campground (*C. Bratt* 9178 SBBG); San Nicolas Island, east of commissary (*T. Nash* 38862 ASU), along Tufts Road at 150 m (*T. Nash* 38788 ASU), behind pine grove by Navy Post Exchange (*S. Tucker*

33770a SBBG), base of L Canyon (*C. Bratt* 7962 SBBG), west of Borrow Pit (*C. Bratt* 8176 SBBG). A dominant in chaparral.

Also known from Alameda, Amador, Butte, El Dorado, Humboldt, Kern, Los Angeles, Madera, Marin, Monterey, Napa, Orange, Riverside, San Benito, San Diego, San Francisco, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano Counties.

Rhizocarpon distinctum Th. Fr. – Distinct Map Lichen – Rhizocarpaceae

[*Buellia distincta* (Th. Fr.) H. Olivier, *Diplotomma distinctum* (Th. Fr.) Jatta, *Lecidea distincta* (Th. Fr.) Stizenb., *Lecidea distincta* f. *distincta* (Th. Fr.) Stizenb., *Lecidea distincta* f. *subobscurata* Nyl., *Lecidea obscurata* f. *orphanina* Vain., *Lecidea petraea* var. *ambigua* Schaer., *Rhizocarpon ambiguum* (Schaer.) Zahlbr., *Rhizocarpon ambiguum* f. *albicans* (Körb.) Szatala, *Rhizocarpon ambiguum* f. *ambiguum* (Schaer.) Zahlbr., *Rhizocarpon ambiguum* f. *cinereum* (Flot.) Szatala, *Rhizocarpon ambiguum* f. *dendriticum* Erichsen, *Rhizocarpon ambiguum* f. *fuscum* (Flot.) Szatala, *Rhizocarpon ambiguum* f. *soreumaticum* (Flot.) Szatala, *Rhizocarpon obscuratum* subsp. *orphaninum* (Vain.) Vain., *Rhizocarpon orphaninum* (Vain.) Vain., *Rhizocarpon orphaninum* f. *orphaninum* (Vain.) Vain., *Rhizocarpon orphaninum* f. *platycarpa* Räsänen]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus crustose, areolate, prothallus present, black, thallus gray-brown to brown. Apothecia round to angular 0.3-1 mm diam., disc black.

Substrate: siliceous rocks and walls, in low, moist and cool places.

VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics on slope across rd & below turnoff for parking area for Sandstone Peak trailhead at 34°6'38"N by 118°55'38"W at 609 m (*K. Knudsen* 11160.2 UCR). Rare in California.

Also known from El Dorado, Humboldt, Marin, Monterey, San Benito, San Bernardino, San Francisco, San Mateo, Santa Cruz, and Siskiyou Counties. Photo by Andre Aptroot.



Ventura County Lichens: Annotated Checklist

By David L. Magney

Rhizocarpon subpostumum (Nyl.) Arnold – a Map Lichen – Rhizocarpaceae

[*Lecidea subpostuma* Nyl.]

Rarity Ranking: G unranked, S unranked (S1?), L1



Photo by Bruce McCune.

Thallus crustose, areolate, prothallus present, black, thallus gray-brown to brown. Apothecia round to angular 0.3-1 mm diam., disc black. Substrate: siliceous rocks and walls, in low, moist and cool places..

VENTURA CO.: Santa Monica Mountains, on Conejo Volcanics on slope across rd & below turnoff for parking area for Sandstone Peak trailhead, 34°6'38"N, 118°55'38"W, 609 m (K. Knudsen 11160 UCR). Rare in California. Not known from any other California counties.

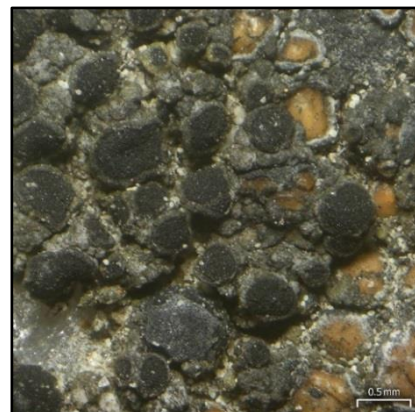
Rinodina endospora Sheard – a Pepper-spore Lichen - Physciaceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, thin, verrucose, 0.15-.020 mm wide, or areolate, grey to dark grey-brown. Apothecia frequent, 0.40-0.70 mm diam, disc dark brown to black. Substrate: twigs and small branches of deciduous trees and shrubs.

VENTURA CO.: Nordhoff Ridge, Ojai Valley School upper campus (*I. Tavares 1279a* ASU); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. at 34.10861°N by 118.91944°W at 355 m (K. Knudsen *et al.* 9626 UCR) and on *Q. agrifolia* on Ash property at 34.14167°N by 118.91833°W at 362 m (K. Knudsen *et al.* 9664 UCR).

Also known from Calaveras, Glenn, Lake, Los Angeles, Mariposa, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Shasta, Siskiyou, Sonoma, and Tulare Counties.



Rinodina parasitica H. Nayrh. & Poelt – Parasitic Pepper-spore Lichen - Physciaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, thin, epiphytic on lichens on rocks, finally areolate, areoles 0.6-0.7 mm wide, plane or rugose, gray-brown, more typically dark brown. Apothecia innate to sessile, disk dark brown to black. Substrate: epiphytic on crustose lichens over rocks, mostly *Aspicilia*.

VENTURA CO.: Hidden Valley, Ash property on Conejo Volcanics (K. Knudsen *et al.* 9646 SBBG).

Also known from Alpine, San Diego, San Mateo, Siskiyou, Tuolumne, and Tulare Counties.

Rinodina santa-monicae H. Magn. – Santa Monica Pepper-spore Lichen - Physciaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose. Apothecia black. Substrate: bark, wood, often on *Quercus agrifolia*.

VENTURA CO.: Ojai Valley, Lake Casitas (*S.C. Tucker 32274* SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. 34.14167°N by 118.91833°W at 362 m (K. Knudsen 9625 UCR).

Also known from Santa Cruz County. Photos by Ken Kellman and Curtis Bjork.

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By David L. Magney



***Rinodina verruciformis* Sheard** – a Pepper-spore Lichen - Physciaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, thick, dispersed or contiguous verrucose areoles 0.4-0.6 mm wide, light to dark grey. Apothecia narrowly attached, regglenst, 0.6-1.0 mm diam., disc dark brown to black
Substrate: siliceous rock, sandstone and rhyolite.

VENTURA CO.: Upper Sespe Creek, SR33 N of Potrero John Creek (C. Bratt 5043, 5044 SBBG).

Also known from Santa Barbara County.



***Rufoplaca arenaria* (Pers.) Arup, Søchting & Frödén** - Granite Firedot Lichen- Teloschistaceae

[*Caloplaca arenaria* (Pers.) Müll. Arg., *Biatra ferruginea* var. *festiva* (Ach.) Fr., *Blastenia arenaria* (Pers.) A. Massal., *Blastenia craspedia* (Ach.) B. de Lesd., *Blastenia erythrocarpa* (Ach.) Körb., *Blastenia erythrocarpia* (Ach.) Körb., *Blastenia festiva* (Ach.) A. Massal., *Blastenia lamprocheila* (DC.) Arnold, *Callospisma arenarium* (Pers.) Trevis., *Callospisma ferrugineum* var. *festivum* (Ach.) Mudd, *Callospisma festivum* (Ach.) Bagl., *Callospisma lamprocheilum* (DC.) Trevis., *Caloplaca arenaria* (Pers.) Müll. Arg., *Caloplaca arenaria* f. *arenaria* (Pers.) Müll. Arg., *Caloplaca craspedia* (Ach.) Szatala, *Caloplaca erythrocarpia* (Ach.) Zwackh, *Caloplaca erythrocarpia* f. *erythrocarpia* (Ach.) Zwackh, *Caloplaca erythrocarpia* var. *erythrocarpia* (Ach.) Zwackh, *Caloplaca ferruginascens* (Nyl.) H. Olivier, *Caloplaca ferruginea* var. *festiva* (Ach.) Th. Fr., *Caloplaca festiva* (Ach.) Zwackh, *Caloplaca festiva* f. *festiva* (Ach.) Zwackh, *Caloplaca festiva* var. *festiva* (Ach.) Zwackh, *Caloplaca lamprocheila* (DC.) Flagey, *Caloplaca lamprocheila* f. *lamprocheila* (DC.) Flagey, *Caloplaca pyracea* var. *picta* (Taylor) H. Olivier, *Gasparrinia erythrocarpia* (Ach.) Tornab., *Gasparrinia ferruginea* var. *festiva* (Ach.) Tornab., *Lecanora arenaria* (Pers.) Röhl., *Lecanora ferruginascens* Nyl., *Lecanora ferruginea* f. *festiva* (Ach.) Nyl., *Lecanora ferruginea* var. *festiva* (Ach.) Nyl., *Lecanora lamprocheila* (DC.) Nyl., *Lecidea arenaria* (Pers.) Steud., *Lecidea caesiurufa* var. *festiva* Ach., *Lecidea craspedia* (Ach.) Hue, *Lecidea erythrocarpia* Ach., *Lecidea erythrocarpia* var. *erythrocarpia* Ach., *Lecidea ferruginascens* (Nyl.) Hue, *Lecidea ferruginea* var. *festiva* (Ach.) Schaer., *Lecidea festiva* (Ach.) Hue, *Lecidea lamprocheila* (DC.) Hue, *Lecidea picta* Taylor, *Lichen arenarius* Pers., *Parmelia arenaria* (Pers.) Mart., *Parmelia erythrocarpia* (Ach.) Fr., *Patellaria arenaria* (Pers.) Hoffm., *Patellaria lamprocheila* DC., *Placodium arenarium* (Pers.) Naeg., *Placodium erythrocarpum* (Ach.) Anzi, *Placodium ferruginascens* (Nyl.) Räsänen, *Placodium ferrugineum* f. *ferruginascens* (Nyl.) A.L. Sm., *Placodium ferrugineum* var. *festivum* (Ach.) A.L. Sm., *Placodium festivum* (Ach.) Hepp, *Placodium festivum* var. *festivum* (Ach.) Hepp, *Verrucaria arenaria* (Pers.) Hoffm., *Zeora erythrocarpia* (Ach.) Flot.]

Rarity Ranking: G5, S unranked (S4?), L2

Thallus crustose, gray, smooth. Apothecia lecanorine, adnate, 0.3-0.7 mm diam., disc dark reddish orange, flat. Substrate: non-calcareous rocks.

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VENTURA CO.: Upper Sespe Creek, SR33 N of Potrero John Creek (C. Bratt 5037 SBBG); Simi Valley, Rocky Pointe in Santa Susana (C. Bratt 11312 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property (Knudsen & Magney 5602 SBBG), Mishe Mokwa Trail near Tri-Peaks Trail at 810 m (K. Knudsen 8506 SBBG).

Also known from Alpine, Calaveras, El Dorado, Fresno, Inyo, Los Angeles, Mariposa, Modoc, Mono, Monterey, Orange, Plumas, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Sierra, Siskiyou, Sonoma, and Tulare Counties.



Rusavskia elegans (Link) S.Y. Kondr. & Kärnefelt – Elegant Sunburst Lichen – Teloschitaceae

[*Amphiloma elegans* (Link) Körb., *Amphiloma elegans* f. *elegans* (Link) Körb., *Amphiloma elegans* var. *elegans* (Link) Körb., *Callopisma elegans* (Link) Trevis., *Caloplaca dissidens* (Nyl.) Mèrat, *Caloplaca elegans* (Link.) Th. Fr., *Caloplaca elegans* f. *elegans* (Link) Th. Fr., *Caloplaca elegans* var. *elegans* (Link) Th. Fr., *Caloplaca splendens* (Darb.) Zahlbr., *Gasparrinia elegans* (Link) Stein, *Gasparrinia elegans* var. *elegans* (Link) Stein, *Lecanora dissidens* (Nyl.) Cromb., *Lecanora elegans* (Link) Ach., *Lecanora elegans* f. *elegans* (Link) Ach., *Lecanora elegans* f. *tenuis* Ach., *Lecanora elegans* var. *elegans* (Link) Ach., *Lichen elegans* Link, *Lichen elegans* var. *elegans* Link, *Parmelia elegans* (Link) Ach., *Parmelia elegans* var. *elegans* (Link) Ach., *Physcia dissidens* (Nyl.) Arnold, *Physcia elegans* (Link) de Not., *Physcia elegans* var. *elegans* (Link) de Not., *Placodium dissidens* Nyl., *Placodium elegans* (Link) DC., *Placodium elegans* f. *elegans* (Link) DC., *Placodium elegans* f. *subpruinosa* Räsänen, *Placodium elegans* var. *elegans* (Link) DC., *Placodium splendens* Darb., *Squamaria elegans* (Link) Fée, *Teloschistes elegans* (Link) Norman, *Xanthoria elegans* (Link) Th. Fr., *Xanthoria elegans* subsp. *elegans* (Link) Th. Fr., *Xanthoria elegans* var. *elegans* (Link) Th. Fr., *Xanthoria elegans* var. *splendens* (Darb.) M.S. Christ. ex Poelt, *Xanthoria splendens* (Darb.) Christensen ex Poelt]

Rarity Ranking: G5, S unranked (S5?), L1

Thallus foliose, small to large rosettes to 6 cm wide, tightly adnate, lobate, lobes dorsiventral, 0.4-1.3 mm wide, tips rotund to truncate, yellow to orange to dull red. Apothecia common, laminal, to 3 mm diam, disc orange. Substrate: rock.

VENTURA CO.: Upper Sespe Creek, rockface along SR33 N of Derrydale Creek (C. Bratt 4120 SBBG), Sespe Gorge (C. Bratt 4116 COLO); Hidden Valley, Lake Sherwood district (W. Eyerdam 2102 WTU), Lake Sherwood (R. Moore 48777 UC); Santa Monica Mountains, Party Rock on N side at 698 m (K. Knudsen 5142.1 UCR).



Also known from Alameda, Alpine, Butte, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Inyo, Kern, Imperial, Lake, Lassen, Los Angeles, Madera, Mariposa, Modoc, Mono, Monterey, Napa, Nevada, Placer, Riverside, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Tehama, Tulare, and Tuolumne Counties. Photo by Troy McMullin.

Sarcogyne clavus (DC.) Kremp. – Sarcogyne Lichen – Acarosporaceae

[*Acarospora clavus* (DC.) Burnham, *Biatorrella clavus* (DC.) Th. Fr., *Biatorrella clavus* f. *aggregata* (H. Magn.) Zahlbr., *Biatorrella clavus* f. *clavus* (DC.) Th. Fr., *Biatorrella clavus* f. *hymenogonia* (H. Magn.) Zahlbr., *Biatorrella clavus* f. *macrocarpa* (Franzoni & De Not.) Zahlbr., *Cathisia concinna* Stirt., *Lecanora clavus* (DC.) Vain., *Lecidea clavus* (DC.) Steud., *Lichen clavus* (DC.) Ramond, *Patellaria clavus* DC.]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus crustose, endolithic. Apothecia cerucoes, wavy, blackish rod to black.

Substrate: vertical surfaces of hard acid rock in moist places along streams.

VENTURA CO.: Upper Sespe Creek, SR33 N of



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Derrydale Creek on rock face (C. Bratt 4130A SBBG); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10421 SBBG).

Also known from Inyo, Kern, Los Angeles, Plumas, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Sonoma, and Tulare Counties. Photo by Tim Wheeler.

Sarcogyne plicata H. Magn. – Plicate Sarcogyne Lichen – Acarosporaceae

[*Biatorella plicata* H. Magn.]

Rarity Ranking: G unranked, S unranked (S3?), L1
Thallus crustose, endolithic. Apothecia irregular, black. Substrate: rock.

VENTURA CO.: Santa Monica Mountains, Tri-Peaks near Backbone Trail at 829 m on Conejo volcanics (K. Knudsen 8397 UCR), Yerba Buena Canyon area at 409 m (K. Knudsen & D. Magney 5623 UCR).

LOS ANGELES CO.: San Gabriel Mountains, San Antonio Creek in wash behind San Antonio Dam at 761 m on hard granite boulders in floodplain (K. Knudsen 1230 ASU, MIN, NY, UCR). ORANGE CO.: Santa Ana Mountains, Fremont Canyon on granite at 268 m (K. Knudsen 10329 UCR), on granite rocks eroded out of sandstone at 343 m (K. Knudsen 9354 UCR), at 200 m on conglomerate rock (K. Knudsen 9004.2 UCR), at 956 m (K. Knudsen 10310 UCR). RIVERSIDE CO.: Wildomar, Meniffee Hills on granite wall along seasonal stream at 558 m (K. Knudsen 2124 UCR), at 635 m in granite drainages (K. Knudsen 4837 UCR), at 543 m on crumbling granite along stream (K. Knudsen 11782 UCR); Joshua Tree National Park, Pleasant Valley in wash crossing Geology Tour Road at 1049 m on flat granite rock (K. Knudsen 12689 UCR), Malapai Hill on south-facing base on granite rubble at 1165 m (K. Knudsen 12636.1 & 12636.2 UCR), Squaw Tank on dissected decaying quartz dike on monzogranite dome at 1092 m (K. Knudsen 12748 UCR), desert between Skull Rock & Jumbo Rocks at 1347 m on monzogranite (K. Knudsen 13150 UCR); San Jacinto Mountains, along Forbes Ranch Road on granite on pebble plain at 1651 m (K. Knudsen 5698 UCR). SAN BERNARDINO CO.: Granite Mountains, above Granite Cove along wash at 1335 m on granite slab (K. Knudsen 9687 UCR); Joshua Tree National Park at Key's Ranch at 1267 m on granite in washes (K. Knudsen & T. LaDoux 3041 UCR); Santa Ana River Valley, base of San Bernardino Mountains along Greenspot Road on granite boulders in floodplain at 533 m (K. Knudsen & M. Knudsen 5936 UCR); Woolly Star Preserve at 327 m on granite boulder (K. Knudsen et al. 13570 UCR). Also known from San Luis Obispo Counties. Photo by Jason Dart.



Sarcogyne regularis Korber – Frosted Grain-spored Lichen – Acarosporaceae

[*Biatorella flava* W. Johnson ex A.L. Sm., *Biatorella pruinoso* (Körb.) Mudd, *Biatorella pruinoso* f. *albocincta* (Cromb.) A.L. Sm., *Biatorella pruinoso* f. *atrosanguinea* (H. Magn.) Zahlbr., *Biatorella pruinoso* f. *calicivora* Kugan{?}, *Biatorella pruinoso* f. *intermedia* (Körb.) Lettau, *Biatorella pruinoso* f. *macroloma* (Flörke) Lettau, *Biatorella pruinoso* f. *nidulans* (B. de Lesd. ex H. Magn.) Zahlbr., *Biatorella pruinoso* f. *nivea* Kremp., *Biatorella pruinoso* f. *nuda* (Kremp.) H. Olivier, *Biatorella pruinoso* f. *pruinosa* (Körb.) Mudd, *Biatorella pruinoso* var. *incrassata* (H. Magn.) Zahlbr., *Biatorella pruinoso* var. *ochracea* (B. de Lesd. ex H. Magn.) Zahlbr., *Biatorella pruinoso* var. *perileuca* (Vain.) Zahlbr., *Biatorella pruinoso* var. *platycarpoides* (Anzi) Zahlbr., *Biatorella pruinoso* var. *pruinosa* (Körb.) Mudd, *Biatorella pruinoso* var. *psimythina* (Nyl.) Zahlbr., *Biatorella pruinoso* var. *regularis* (Körb.) Zahlbr., *Biatorella regularis* (Körb.) Lettau, *Lecanora glaucocarpa* f. *pruinosa* Leight., *Lecanora pruinoso* f. *albocincta* Cromb., *Lecanora pruinoso* f. *nuda* H. Olivier, *Sarcogyne pruinoso* var. *regularis* (Körb.) H. Magn.]

Rarity Ranking: G5, S unranked (S3?), L2

Thallus crustose, endolithic, areolate and chasmolithis on sandstone, white or pale brown. Apothecia numerous, circular, 0.5-1 mm wide, disc black. Substrate: carbonaceous rocks, rarely on sandstone or vertical flush surfaces on acidic rocks.

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VENTURA CO.: Upper Sespe Creek, Sespe Gorge (C. Bratt 5028 SBBG), Derrydale Creek at 1,000 m (C. Bratt L-81691 ASU); Simi Valley, Rocky Pointe Park (C. Bratt 11325 SBBG); San Nicolas Island, along Wilong Road (T. Nash 38899 ASU), end of Theodolit Road above Elephant Seal Beach (C. Bratt 8177 ASU), along Shannon Road near gas storage (C. Bratt 8191 ASU).

Also known from Inyo, Lake, Los Angeles, Marin, Mono, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, and Tuolumne Counties. Photo by Samuel Brinker.



Sarcogyne similis H. Magn. – Common Grain-spored Lichen – Acarosporaceae

[*Biatorrella similis* H. Magn., *Biatorrella similis* f. *convexa* (H. Magn.) Zahlbr., *Biatorrella similis* f. *similis* H. Magn., *Sarcogyne reebiae* K. Knudsen]

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, endolithic, rarely epilithic on hard rock.

Apothecia round, 0.2-1.5 mm, margin black, disc black.

Substrate: siliceous rock, especially sandstone, in full sun.

VENTURA CO.: Santa Paula Ridge, Toland Road Landfill

(C.C. Bratt 10422 ASU/SBBG); Santa Monica Mountains,

Point Mugu State Park in Sycamore Canyon along Ranch

Center Trail (K. Knudsen 11230 NY/SBBG), Deals Flat on

Beltrami property (Knudsen & Magney 5615 SBBG/UC); San Nicolas Island, along Wilong Rd (T.H. Nash III 38899 MIN/WIS).

Also known from Contra Costa, El Dorado, Humboldt, Kern, Lassen, Los Angeles, Madera, Monterey, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, Santa Cruz, and Tuolumne Counties. Photo by Frank Bungartz.



Sarcopyrenia bacillosa (Nyl. Ex Hass) Nav.-Ros. & Hladun – Little Stick Sacred Rock-fruit Lichen – Sordariomycetes

[*Hassea bacillosa* (Nyl.) Zahlbr., *Verrucaria bacillosa* Nyl.]

Rarity Ranking: G unranked, S unranked (S2?), L1. California endemic.

Thallus parasitic crustose, black. Substrate: crumbling sandstone on crustose cyanolichen.

VENTURA CO.: Santa Monica Mountains, parasitic on *Acarospora socialis* on slope above SR23 near Lake Eleanor Dam, Conejo Open Space at 34°8'10"N by 118°51'13"W at 296 m (K. Knudsen 11240 UCR). LOS ANGELES CO.: Santa Monica Mountains, near Old

Soldier's Home. SAN DIEGO CO. CONTRA COSTA CO.: Richmond.

Schizopelte californica Th. Fr. – Fog Fingers Lichen - Opegraphaceae

[*Combea californica* [Th. Fr.] Follm. & Geyer]

Rarity Ranking: G3, S unranked (S2?), L2

Thallus fruticose, epilithic, erect, sparsely dichotomously branched, creamy white, grayish-white. Apothecia numerous, solitary, terminal on branches. Substrate: vertical and overhanging cliffs near ocean.

VENTURA CO.: Anacapa Islands, West Anacapa Island above Rat Rock (T. Nash 37029 ASU/NY) on Climb Spine at 61 m (C. Bratt 8689 SBBG), Middle Anacapa Island at The Slot (A. Loeblich L-41548 ASU/COLO), East Anacapa Island 275 m NW of water tank building



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(*C. Williams 1373 SBBG*), East Anacapa Island at Coreopsis Point (*C. Bratt 6171 WTU*); San Nicolas Island, N of Conservation Center (*S. Tucker 33679B SBBG*).

LOS ANGELES CO.: Santa Monica Mountains, Pt. Dune, near Malibu (*Halling 613 ASU*, SFSU). MONTEREY CO.: Willow Creek (*Rundel s.n.* Herb. Rundel). SAN LUIS OBISPO CO.: White Point at Morro Bay State Park (*Riefner 85-507*); Cayucos (*Riefner 89-70*); Morro Rock Reserve (*Riefner 87-193 COLO, US*). ORANGE CO.: Abalone Point (*Riefner 90-137*); South Laguna (*Nash 10300 ASU*).

Also known from San Diego, San Francisco, Santa Barbara, Sonoma Counties. Photo by Frank Bungartz.

This unusual fog zone lichen, still abundant on the Channel Islands but rare on the mainland, was apparently thought by Hale and Cole (1988) to be only in Los Angeles and Ventura Cos. The Orange Co. collection appears to be a rare find for the south-coast mainland (Orcutt 1907; Hasse 1913). Tehler (1993) believes that this species should not be placed in *Combea*.

Sclerococcum pleiospermum (Triebel) Ertz & Diederich – Parasitic Full-spored Hard-berry Lichen - Dactylosporaceae

[*Dactylospora pleiosperma* Triebel]

Rarity Ranking: G unranked, S unranked (S1?), L1 – Narrow Endemic to coastal southern California.

Apothecia dark brown to black, single or in small groups on thallus and apothecia of the host lichen, erumpent, sessile to substipitate, 0.1-0.15 mm in diam., round to irregular, often urceolate, with plane to slightly concave discs, with distinct to thick black, rough to striate margin (Nash et al. 2004). Parasitic on apotecia of *Lecanora caesiorubella* subsp. *merrillii*.

VENTURA CO.: Santa Monica Mountains, on *Lecanora caesiorubella* on *Quercus agrifolia* in Wood Canyon, Point Mugu State Park at 34°7'38"N by 119°0'51"W at 383 m (*J. Kocourkova & K. Knudsen PRM 915667*), National Park lands at 1,118 ft. (*K. Knudsen 5580 PH*).

SANTA BARBARA CO.: Santa Cruz Island, Sauces Canyon, above China Harbor, Eastern Pines; Santa Rosa Island, margin of Cherry Canyon.

Not known from any other California counties.

Scytinium californicum (Tuck.) Otálora, P.M. Jørg. & Wedin – California Jellyskin Lichen – Collemataceae

[*Leptogium californicum* Tucker]

Rarity Ranking: G unranked, S unranked (S5?), L2
Thallus foliose, loosely adnate, irregularly lobate, brown to olivaceous ro greenish brown. Apothecia laminal, brown to dark red-brown. Substrate: rocks among mosses.

VENTURA CO.: Upper Piru Creek, Mutau Flat on sandstone (*C. Bratt 6232 ASU*); Matilija Canyon (*H.E. Hasse 2497 ASU*); Nordhoff Ridge, Ilvento Preserve on N-facing sandstone cliff at 1528 ft (*D. Magney et al. 38-24 UCSB*); Santa Monica Mountains, Little

Sycamore Canyon on cliff face at junction of Yerba Buena Road and Cotharin Road (*R.E. Riefner Jr. 20-205 UCR*), on soil over Conejo Volcanics on slope above SR23 near Lake Eleanor Dam - 34°8'12"N, 118°51'8"W at 297 m (*K. Knudsen et al. 10702 (UCR)*).

Common in Southern California but rare in the Santa Monica Mountains.

Also known from Butte, Contra Costa, Del Norte, El Dorado, Fresno, Humboldt, Lassen, Los Angeles, Mariposa, Mendocino, Modoc, Monterey, Plumas, Riverside, San Benito, San



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Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Clara, Santa Barbara, Shasta, Sierra, Siskiyou, Tehama, Trinity, Tulare, and Tuolumne Counties.

Skyttea pertusariicola Diederich & Etayo – Pertusaria-loving Lichen - Cordieritidaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus none. Apothecia dispersend on host thallus, immersed, black, 200-400 um diam. Substrate: corticolous *Pertusaria* species.



VENTURA CO.:

San Nicolas Island

(C. Bratt 7930

SBBG), between

Celery Canyon and Heart Attack Hill Road at 117 m (K. Knudsen 17748 NY/UCR),

below Theodolite Road at 200 m (T. Nash 38760 ASU), east of Twin Towers (K.

Knudsen 17821.1 UCR).

Also known from Santa Barbara County.



***Solenopsora crenata* (Herre) Zahlbr. [var. *crenata*]** – Crenate Rock-scab Lichen -

Catillariaceae

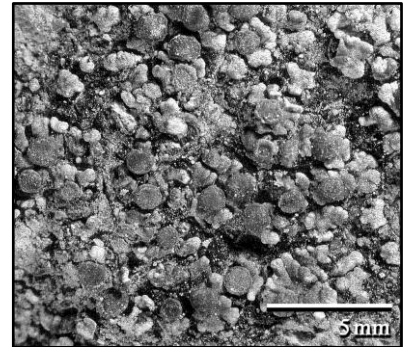
Rarity Ranking: G1. S unranked (S2?), L1, California coastal endemic.

Thallus crustose, squamulose to 1 mm diam., white to light gray or pale yellowish-brownish, epruinose or pruinose.

Apothecia sessile, to 1 mm diam., dark brown. Substrate: on soil and rock in open habitats near coast.

VENTURA CO.: San Nicolas Island, along Theodolite Road (T. Nash 38760 ASU), near NAVFAC (T. Nash 38664-a ASU), west end (T. Nash 38696 ASU), upper part of L Canyon (C. Bratt 7930 ASU/SBBG).

Also known from Marin, Monterey, San Diego, San Luis Obispo, Santa Barbara, Santa Cruz, and Sonoma Counties. Photo by Einar Tidal.



Solitaria chrysophthalma (Degel.) Arup, Søchting & Frödén – Bark Sulphur-firedot Lichen –

Teloschistaceae

[*Caloplaca chrysophthalma* Degel., *Callophisma citrinellum* (Duby) Arnold]

Rarity Ranking: G unranked, S1.2, L1.

Thallus crustose, orange. Apothecia dark orange. Substrate: bark.

VENTURA CO.: on bark of *Quercus lobata*, Conejo Mountain Recreation Area along Los Robles Trail (Riefner 92-101 SBBG/WIS).

MONTEREY CO.: Hastings Natural History Reservation. SAN LUIS OBISPO CO.:

Stenner Creek ¼ mile W of Dairy Unit on Cal Poly campus, 4 miles E of Paso Robles on *Quercus*.

SAN BENITO CO.: Pinnacles National Park.



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This inconspicuous taxon has been reported in California only from the San Francisco Bay region (Baltzo 1970). The Ventura County collection has fine soredia and a thin, almost invisible thallus that most closely matches typical European material rather than *C. cf. chrysophthalma* as collected and discussed by Weber et al. (1987), which may be an undescribed species. Photo by Stephen Sharnoff.

***Sphinctrina leucopoda* (Pers. Ex Fr.) De Not. – Lichen-loving Lichen – Sphinctrinaceae**

[*Calicium kylemoriensis* Larbal., *Calicium leucopodum* (Nyl.) Tuck., *Cyphelium kylemoriensis* (Larbal.) Sacc., *Sphinctrina kylemoriensis* (Larbal. ex Leight.) Cromb., *Sphinctrina pedata* (Stenh.) R. Sant.]

Rarity Ranking: G4, S unranked (S2?), L1

Thallus crustose, emersed in host. Apothecia distinctly stalked, 0.2-0.3 mm tall, shiny dark brown, rarely black. Substrate: on *Pertusaria*, *Quercus*, *Diploschistes*, *Lecanora* on rocks.

VENTURA CO.: Santa Monica Mountains, on *Lecanora ganglaeoides* in *Quercus agrifolia* woodland in Wood Canyon, Point Mugu State Park, 34°7'38"N, 119°0'51"W, 383 m (*J. Kocourkova et al. sn 13-Aug-2009 PRM 915676*).

Also known from Los Angeles, San Diego, San Luis Obispo, Santa Barbara, and Santa Cruz Counties.



***Squamulea squamosa* (de Lesd.) Arup, Søchting & Frödén – Squamulose Firedot Lichen – Teloschistaceae**

[*Caloplaca elegans* var. *brachyloba* Zahlbr., *Caloplaca squamosa* (B. de Lesd.) Zahlbr., *Caloplaca squamosa* var. *squamosa* (B. de Lesd.) Zahlbr., *Placodium squamosum* B. de Lesd., *Placodium squamosum* var. *squamosum* B. de Lesd.]

Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus squamulose, subsquamulose, orange. Apothecia lecanorine, orange. Substrate: calcareous or non-calcareous rocks. VENTURA CO.: Upper Ojai Valley at Dennison Park (*C. Bratt 1202 ASU/SBBG*).

Also known from Alameda, Amador, Calaveras, Lake, Los Angeles, Marin, Mendocino, Monterey, Orange, Riverside, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Sonoma, Stanislaus, and Tulare Counties. Photo by Matthias Schultz



***Squamulea subsoluta* (Nyl.) Arup, Søchting & Frödén – Solitary Firedot Lichen – Teloschistaceae**

[*Blastenia novomexicana* Fink ex J. Hedrick, *Callophisma americanum* Malme, *Callophisma aurantiacum* var. *irrubescens* Arnold, *Callophisma irrubescens* (Arnold) Arnold, *Caloplaca americana* (Malme) Zahlbr., *Caloplaca aurantia* var. *irrubescens* (Arnold) Jatta, *Caloplaca irrubescens* (Arnold) Zahlbr., *Caloplaca modesta* (Zahlbr.) Fink, *Caloplaca novomexicana* (Fink) ined., *Caloplaca subsoluta* (Nyl.) Zahlbr., *Caloplaca subsoluta* f. *subsoluta* (Nyl.) Zahlbr., *Lecanora murorum* var. *subsoluta* Nyl., *Lecanora subsoluta* (Nyl.) Nyl., *Physcia subsoluta* (Nyl.) Arnold, *Placodium americanum* (Malme) Räsänen, *Placodium aurantiacum* subsp. *irrubescens* (Arnold) A.L. Sm., *Placodium subsolutum* (Nyl.) H. Olivier, *Teloschistes modestus* (Zahlbr.) Fink, *Xanthoria modesta* Zahlbr.]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose and quite variable, areolate to indistinctly subsquamulose, pale yellow orange to deep orange. Apothecia lecanorine, deep orange. Substrate: rock.

VENTURA CO.: Topatopa Mountains, Sisar Canyon (*M. Cole 1247 SBBG*); Santa Monica Mountains, Arroy Sequit (*K. Knudsen 3719 PH*). Also known from Butte, Contra Costa, Inyo, Los



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Angeles, Marin, Merced, Monterey, Riverside, San Bernardino, San Diego, Santa Barbara, Siskiyou, Tulare, and Tuolumne Counties. Photograph by Garry Neil.

Staurothele drummondii (Tuck.) Tuck. – Drommund's Rock Pimple Lichen – Verrucariaceae

[*Endocarpon drummondii* (Tuck.) M. Choisy]

Rarity Ranking: G5, S unranked (S4?), L1



Thallus crustose, central areolose thicker and larger than peripheral ones, prothallus black when present, surface brown or blackish brown. Perithecia within central thallus verrucules, 0.4-0.6 mm wide, black.

Substrate: irrigated depressions.

VENTURA CO.: Lockwood Valley, southwest end near Mutau Flat turnoff (C. Bratt 7289 SBBG); San Guillermo Mountain, along Mutau Flat Road 4 miles south of Lockwood Valley Road (C. Bratt 5085a SBBG); Santa Monica Mountains, on

Conejo Volcanics on steep drainage of bedrock below Sandstone Peak, 34.00194°N, 118.93333°W at 883 m (K. Knudsen 2487 UCR). Rare in Santa Monica Mountains. Also known from Alpine, Amador, El Dorado, Fresno, Inyo, Kern, Lake, Los Angeles, Madera, Mendocino, Mono, Monterey, Napa, Riverside, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Sierra, Siskiyou, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

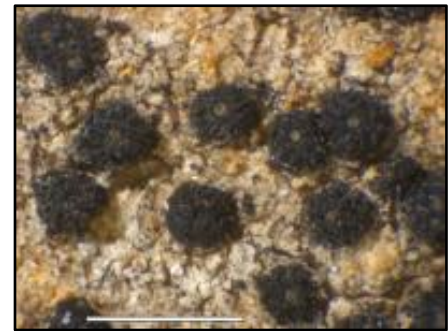
Staurothele elenkinii Oxner. – Elenkin's Rock Pimple Lichen - Verrucariaceae

Rarity Ranking: G4, S unranked (S2?), L1

Thallus crustose, partially endolithic, verruculate, black. Apothecia single in the verrucule, to 0.5 mm across, black. Substrate: calcareous rocks, shales, sandstones.

VENTURA CO.: Santa Monica Mountains, along trunk trail on ridge between Wood Canyon and upper La Jolla Valley, Point Mugu State Park, 34.11083°N, 119.02667°W at 267 m (K. Knudsen et al. 11576.1 UCR); San Nicolas Island, SE side 180 m S of Skyline Drive at 161 m (R. Reese Naesborg 2293c SBBG). Rare in Santa Monica Mountains.

Also known from Inyo, Marin, San Benito, and Tuolumne Counties. Photo by Bruce McCune.



Stigmidium californicum K. Knudsen & Kocourk. – California Stigmidium Lichen - Mycosphaerellaceae

Rarity Ranking: G unranked, S unranked (S1?), L1. Ventura County endemic.

Thallus crustose consisting of hyaline to pale brown vegetative hyphae. Ascomata perithecioid, black. Substrate: thallus and apothecia of lichens.

VENTURA CO.: Anacapa Islands, East Anacapa Island on *Caloplaca* (K. Knudsen 10915 UCR); San Nicolas Island, slope above Jackson Highway at 129 m (K. Knudsen 16791.2 UCR).

Not known from any other California county.

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Stigmidium epistigmellum (Nyl. ex Vouaux) Kocourk. & K. Knudsen – Caloplaca-loving Lichen – Mycosphaerellaceae

[*Mycoporellum epistigmellum* Hasse, *Pharcidia epistigmella* Nyl. ex Vouaux, *Pharcidia epistigmella* var. *epistigmella* Nyl., *Pharcidia epistigmella* var. *meizospora* Vouaux]

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, within thallus of host lichens. Substrate: *Caloplaca*.

VENTURA CO.: Anacapa Islands, West Anacapa Island at W end (*K. Knudsen 10804* UCR), West Anacapa Island on slope above Rat Island (*K. Knudsen 10654* UCR), near lighthouse on East Anacapa Island (*K. Knudsen 10740* UCR); San Nicolas Island, S side on Caloplaca on sandstone (*K. Knudsen 16726* UCR), E end above barge landing (*T. Nash 38946* ASU), below Twin Towers (*C. Bratt 7873* SBBG), bottom of Theodolite Road on N side of island (*C. Bratt 8139* SBBG), E of West Mesa Canyon (*Unknown 413H* SBBG). Also known from Los Angeles, San Benito, San Luis Obispo, and Santa Barbara Counties.

Stigmidium ramalinae (Müll. Arg.) Etayo & Diederich – Ramalina-loving Lichen – Mycosphaerellaceae

[*Pharcidia ramalinae* (Müll. Arg.) Vouaux]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, within thallus of host lichens. Substrate: *Ramalina*.

VENTURA CO.: Santa Monica Mountains, on *Ramalina subleptocarpha* (*K. Knudsen 10915* UCR).

Not known from any other California County.

Teloschistes chrysophthalmus (L.) Th. Fr. – Golden-eye Lichen – Teloschistaceae

[*Borreria chrysophthalma* (L.) Ach., *Hagenia chrysophthalma* (L.) Rabenh., *Lichen chrysophthalmus* L., *Lobaria chrysophthalma* (L.) Räuschel, *Niorma chrysophthalma* (L.) S.Y. Kondr., Kärnefelt, Elix, A. Thell, M.H. Jeong & Hur, *Parmelia chrysophthalma* (L.) Ach., *Physcia chrysophthalma* (L.) DC., *Physcia chrysophthalma* var. *chrysophthalma* (L.) DC., *Physcia villosa* var. *dickieana* Linds., *Platysma denudatum* Hoffm., *Teloschistes chrysophthalmus* f. *chrysophthalmus* (L.) Beltr., *Teloschistes chrysophthalmus* f. *cinereus* Müll. Arg., *Teloschistes chrysophthalmus* f. *denudatus* (Hoffm.) Hillmann, *Teloschistes chrysophthalmus* var. *chrysophthalmus* (L.) Beltr., *Teloschistes chrysophthalmus* var. *cinereus* Müll. Arg., *Teloschistes chrysophthalmus* var. *denudatus* (Hoffm.) Müll. Arg., *Teloschistes chrysophthalmus* var. *dickieanus* (Linds.) Zahlbr., *Teloschistes chrysophthalmus* var. *dilatatus* (Stizenb.) Hillmann, *Teloschistes chrysophthalmus* var. *flavoalbidus* (Kremp.) Malm., *Teloschistes chrysophthalmus* var. *hypoglaucoides* Hillmann, *Teloschistes chrysophthalmus* var. *melanotrichus* Maheu, *Teloschistes chrysophthalmus* var. *subpulvinaris* Gyeln., *Tornabenia chrysophthalma* (L.) A. Massal., *Xanthoanaptychia chrysophthalma* (L.) S.Y. Kondr. & Kärnefelt, *Xanthoria chrysophthalma* (L.) Stizenb.]

Rarity Ranking: G4, S unranked (S3?), L2

Thallus subfruticose to fruticose, in small erect to prostrate tufts 1-2 cm across, yellow to deep orange. Apothecia lecanorine, abundant, mostly at tip of thallus branches, deep orange. Substrate: branches and twigs.

VENTURA CO.: Ojai Valley, along SR33 (W.A. Weber 26719 ASU/UC), along SR150 near Lake Casitas (*M. Cole 1561* WIS); Upper Ojai Valley, Dennison Park (*I. Tavares 550c* UC); Ventura Hills, Harmon Canyon on ridge along Family Farr Trail at 253 m (*R. Reese Naesborg 2664* SBBG) in oak grove (*R. Reese Naesborg 2768* SBBG); Aliso Canyon at 244 m (*M. Cole 1219* WIS); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. at 34°6'31"N, 118°55'10"W at 355 m (*K. Knudsen et al. 9624* UCR); Santa Monica Mountains, Deal Flats on Beltrami property, Little Sycamore Canyon (*R. Mower 1577096* ASU/UC), Point Mugu State Park along Chumash Trail at 180 m (*K. Knudsen 4001* UCR); San Nicolas Island, near Navy Post Exchange (*S. Tucker 35835* MSC).



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Also known from Alameda, Contra Costa, Los Angeles, Marin, Monterey, Napa, Orange, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, Sonoma, and Tulare Counties. Photo by Samuel Brinker.

Thalloidima ioen (Herre) S. Ekman & Timdal – Mexican Blister Lichen – Ramalinaceae

[*Bacidia ioessa* Herre, *Toninia submexicana* B. de Lesd.]

Rarity Ranking: G4, S unranked (S3?), L2

Thallus crustose, squamulose, squamules to 3 mm diam., scattered or adjacent or irregularly imbricate, dark olive-brown. Apothecia to 1 mm diam., dark gray to pale brown. Substrate: soil and rock in open habitats.



Photo by Ken Kellman.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (C. Bratt 7041 ASU); Santa Monica Mountains (H. Hasse 235 SBBG); San Nicolas Island, along Shannon Road near Tufts Road (C. Bratt 8184b SBBG).

Also known from Contra Costa, Los Angeles, Monterey, Riverside, San Bernardino, San Diego, San Luis Obispo, Santa Barbara, and Sonoma Counties.

Thalloidima sedifolium (Scop.) Kistenich, Timdal, Bendiksby & S. Ekman – Blue Blister Lichen – Ramalinaceae

[*Biatorina coeruleonigricans* sensu auct., *Lecidea glebosa* Ach., *Lichen coeruleonigricans*, *Lichen sedifolius* Scop., *Thalloidima coeruleonigricans*, *Thalloidima coeruleonigricans* f. *caulescens* (Lettau) Szatala, *Thalloidima coeruleonigricans* f. *caulescens* (Lettau) Szatala, *Thalloidima coeruleonigricans* f. *dispersum* (Nyl.) Szatala, *Toninia arenaria* Räsänen, *Toninia carolitana* (Arnold) Nimis & Poelt, *Toninia muricola* B. de Lesd., *Toninia sedifolia* (Scop.) Timdal, *Toninia subtabacina* (Nyl.) H. Olivier, *Verrucaria grisea* Willd.]

Rarity Ranking: G5, S unranked (S3?), L2

Thallus crustose, squamulose, squamules to 3 mm diam., scattered to adjacent to irregularly imbricate, olivaceous green to grayish green or olivaceous brown to grayish brown. Apothecia to 3 mm diam., dark gray in rim, medium brown to dark reddish brown in inner part. Substrate: soil and fissures of calciferous rock.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (C. Bratt 7042 ASU); Santa Monica Mountains (H. Hasse 629 ASU, H. Hasse 75 SBBG); San Nicolas Island, along Wilong Road W of Barge Landing at 50 m (T. Nash 38878 ASU), S-facing slope below Theodolite Road at 200 m (T. Nash 38776 ASU), end of Theodolite Road above Elephant Seal Beach (S. Tucker 33808 SBBG), near intersection of Owens & E. NAVFAC Roads at 27 m (R. Reese Naesborg 2415 SBBG), near Fern Canyon (R. Reese Naesborg 2237 SBBG).



Also known from Butte, Inyo, Kern, Lake, Los Angeles, Monterey, Riverside, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, and Tulare Counties. Photo by Samuel Brinker.

Thelenella modesta (Nyl.) Nyl. – Modest Bark Lichen – Thelenellaceae

[*Luykenia modesta* (Nyl.) Trevis., *Microglæna modesta* (Nyl.) A.L. Sm., *Microglæna modesta* f. *modesta* (Nyl.) A.L. Sm., *Microglæna modesta* f. *septentrionalis* (Th. Fr.) H. Magn., *Microglæna modesta* var. *carneofusca* Makar., *Microglæna modesta* var. *modesta* (Nyl.) A.L. Sm., *Microglæna subcorallina* Hasse, *Polyblastia modesta* (Nyl.) H. Olivier, *Verrucaria modesta* Nyl.]

Rarity Ranking: G4, S unranked (S2?), L1.

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Thallus crustose, thin to thick, superficial, rimose to deeply cracked-areolate, yellow-gray to pink or red-brown. Perithecia dispersed, ostiole dark-brown. Substrate: bark, smooth bark of



Quercus agrifolia and *Juglans californica* in southern California.

VENTURA CO.: Santa Monica Mountains, on *Malacothamnus fasciculatus* in upper La Jolla Valley of Point Mugu State Park at 34.1128°N, 119.02944°W at 270 m (K. Knudsen et al. 11573 UCR). Rare in Santa Monica Mountains.

Also known from Los Angeles, Marin, Monterey, San Luis Obispo, and San Mateo Counties. Photo by Bruce McCune.

Thelenella weberi H. Mayrhofer – Weber's Bark Lichen - Thelenellaceae

Rarity Ranking: G1, S unranked (S1?), L1. Ventura County, San Nicolas Island endemic. Thallus thick, superficial, rimose-areolate, ochre to gray-brown, dull. Perithecia immersed but appearing as half-globose warts, dark brown, 20-40 µm wide. Substrate: sandstone and tuff in marine-influenced habitats.

VENTURA CO.: San Nicolas Island (R. Foreman L-44275 ASU).

Not known from any other California county.

Thelocarpon intermediellum Nyl. – Intermediate Wart Lichen – Thelocarpaceae or Acarosporaceae

[*Thelocarpon intermixtulum* Nyl., *Thelocarpon intermixtulum* var. *intermixtulum* Nyl., *Thelocarpon intermixtulum* var. *olivaceum* (B. de Lesd.) H. Magn.]

Rarity Ranking: G unranked, S unranked (S1?), L1
Thallus crustose, scattered, globose warts, immersed or emergent from substrate, 0.2-0.3 mm diam., to 0.2 mm high, pale brown, with yellow pruina. Ascomata immersed, punctiform, perithecioid. Substrate: on wood, leather, rocks, cow manure, decaying lichens.

VENTURA CO.: Santa Monica Mountains, Party Rock above Carlisle Canyon on *Lecanora muralis* (K. Knudsen 4003.2 UCR).

Also known from Los Angeles County.



Thelomma mammosum (Hepp) A. Massal. – Rock Nipple Lichen – Caliciaceae

[*Acolium bolanderi* Tuck., *Cypheliopsis bolanderi* (Tuck.) Vain.]

Rarity Ranking: G3, S unranked (S4?), L1
Thallus crustose, areolate-warty, thick, light gray or with slightly yellowish olive tinge, smooth. Apothecia developing in older verrucae, black. Substrate: on rocks along the coast.

VENTURA CO.: Conejo Mountains, along Huenem Road 2 miles S of Lewis Road (R. Riefner 87-66 COLO); Hidden Valley, Sherwood Lake District (W. Eyerdam 2098, 2131, 2133 WTU); Santa Monica Mountains, Deal Flats on Calderon property (D. Magney 135-24 UCSB – photographed here); Anacapa



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Islands, West Anacapa Island above Rat Rock at 60 m (*T. Nash 37030* ASU), West Anacapa Island on W-end plateau (*T. Nash 37064* ASU), West Anacapa Island on W side of summit (*T. Nash 37097* ASU), East Anacapa Island on S side on edge of cliff at 58 m (*K. Knudsen 5327* UCR), East Anacapa Island on outcrop above campground (*K. Knudsen 10761* UCR). Also known from Alameda, Contra Costa, Del Norte, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Napa, Orange, Riverside, Sacramento, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, and Sonoma Counties.

Thelomma santessonii Tibell – Santesson's Nipple Lichen - Caliciaceae



Rarity Ranking: G unranked, S unranked (S3?), L2

Thallus crustose, areolate-verrucose, thick, coriaceous, areoles sterile verrucae 1-1.5 mm diam., pale yellow with a distinctly olivaceous brownish tinge. Apothecia developing on leder verrucae, black. Substrate: rocks near coast.

VENTURA CO.: Santa Paula Ridge, Toland Road Landfill (*C.C. Bratt 10423* SBBG); Conejo Mountains, N slope of Conejo Mountain above Conejo Creek at 99 m (*K. Knudsen 4036* SBBG); Hidden Valley, at 1430 Hidden Valley Rd (*K. Knudsen et al. 9650* SBBG); Santa Monica Mountains, Point

Mugu State Park along Chumash Trail at 180 m (*K. Knudsen 3989* SBBG), Deal Flats on Beltrami property (*Knudsen & Magney 5627* SBBG), near summit of Sandstone Peak at 921 m (*K. Knudsen 8468* SBBG); West Anacapa Island, Pleistocene terrace at W end at 100 m (*K. Knudsen 10803* SBBG), Box Canyon at 91 m (*C.C. Bratt 8700* SBBG), campground E of 2nd draw at 107 m (*C.C. Bratt 9193, 9208* SBBG).

Also known from Contra Costa, Los Angeles, Marin, Monterey, Orange, Riverside, San Diego, San Luis Obispo, San Mateo, Santa Barbara, and Solano Counties. Photo by Matthias Schultz.

Toniniopsis aromatica (Sm.) Kistenich, Timdal, Bendiksby & S. Ekman – Aromatic Blister Lichen – Ramalinaceae

[*Arthrospora squamulosa* (Mudd) Arnold, *Bacidia candida* (Leight.) Zahlbr., *Biatora acervulata* (Nyl.) Hepp, *Biatora aromatica* (Turner) Hepp, *Bilimbia acervulata* (Nyl.) Jatta, *Bilimbia aromatica* (Turner) Jatta, *Bilimbia candida* (Leight.) A.L. Sm., *Bilimbia squamulosa* (Mudd) A.L. Sm., *Bilimbia turneri* (Leight.) A.L. Sm., *Lecidea acervulata* Nyl., *Lecidea aromatica* (Turner) Turner, *Lecidea aromatica* var. *aromatica* Turner, *Lecidea coeruleonigricans* var. *aromatica* (Turner) Taylor, *Lichen aromaticus* Turner, *Patellaria aromatica* (Turner) Mathieu, *Psora aromatica* (Turner) Boistel, *Thalloidima acervulatum* (Nyl.) Körb., *Toninia acervulata* (Nyl.) Kremp., *Toninia aromatica* (Sm.) A. Massal., *Toninia aromatica* subsp. *aromatica* (Turner ex Sm.) A. Massal., *Toninia aromatica* var. *aromatica* (Turner ex Sm.) A. Massal., *Toninia turneri* (Leight.) H. Olivier]

Rarity Ranking: G4, unranked, S unranked (S3?), L1

Thallus crustose, squamulose, squamules to 4 mm diam., dispersed or adjacent, pale gray. Apothecia plan and marginate, to 1.5 mm diam., dark reddish brown. Substrate: crustose green algae-lichens or rarely cynolichens.



VENTURA CO.: Santa Monica Mountains, along Chumash Trail in Point Mugu State Park at 180 m (*K. Knudsen 3981, 3983.1* UCR), Sandstone Peak between Tri-Peaks and Backbone Trail on S-facing slope at 829 m (*K. Knudsen 8389* UCR); San Nicolas Island, next to NAVFAC (*T. Nash 38688* ASU), west end at 150 m (*T. Nash 38706, 38718* ASU), slope above Red Eye Beach (*W. Weber L-88989* SBBG), N Spur Canyon at 109 m (*C. Bratt 12066* SBBG), between Tufts and

Shannon Roads at 171 m (*R. Reese Naesborg 2226b* SBBG).

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Also known from Los Angeles, Marin, Monterey, Riverside, San Diego, San Luis Obispo, Santa Barbara, Santa Clara, and Santa Cruz Counties.

***Trapelia coarctata* (Sm.) Choisy – Dense Crust Lichen – Trapeliaceae**

[*Biatora arridens* (Nyl.) Walt. Watson, *Biatora coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata* f. *albomarginata* (Hazzl.) Oxner, *Biatora coarctata* f. *coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata* f. *terrestris* Flot., *Biatora coarctata* subsp. *coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata* var. *biatoriza* (Vain.) Räsänen, *Biatora coarctata* var. *coarctata* (Turner ex Sm.) Th. Fr., *Biatora coarctata* var. *petractis* Norman, *Biatora coarctata* var. *trapelia* (Ach.) Räsänen, *Biatora coarctata* var. *valamoensis* (Vain.) Räsänen, *Gasparrinia coarctata* (Turner) Tornab., *Lecanactis arridens* Nyl., *Lecanora coarctata* (Turner) Ach., *Lecanora coarctata* f. *albomarginata* (Hazzl.) Zahlbr., *Lecanora coarctata* f. *coarctata* (Turner) Ach., *Lecanora coarctata* f. *cotaria* Ach., *Lecanora coarctata* f. *fulgiana* Zahlbr., *Lecanora coarctata* f. *ochrinactella* (Vain.) Zahlbr., *Lecanora coarctata* f. *sorediosa* (B. de Lesd.) Zahlbr., *Lecanora coarctata* f. *subfumigata* (Nyl.) Zahlbr., *Lecanora coarctata* subsp. *angelica* Parrique, *Lecanora coarctata* subsp. *coarctata* (Turner) Ach., *Lecanora coarctata* var. *argilliseda* Dufour ex Schaer., *Lecanora coarctata* var. *biatoriza* (Vain.) Zahlbr., *Lecanora coarctata* var. *coarctata* (Turner) Ach., *Lecanora coarctata* var. *exposita* (Nyl.) Nyl., *Lecanora coarctata* var. *expositella* (Vain.) Zahlbr., *Lecanora coarctata* var. *fossulans* Stizenb., *Lecanora coarctata* var. *listrata* Ach., *Lecanora coarctata* var. *prominula* Schaer., *Lecanora coarctata* var. *trapelia* (Ach.) Zahlbr., *Lecidea arridens* Nyl., *Lecidea coarctata* (Smith) Nyl., *Lecidea coarctata* f. *albomarginata* (Hazzl.) Szatala, *Lecidea coarctata* f. *coarctata* (Turner) Nyl., *Lecidea coarctata* f. *deliciosula* Th. Fr., *Lecidea coarctata* f. *depauperata* Leight., *Lecidea coarctata* f. *fulgiana* (Chevall.) Zahlbr., *Lecidea coarctata* f. *prominula* (Schaer.) Szatala, *Lecidea coarctata* f. *sorediosa* B. de Lesd., *Lecidea coarctata* f. *subfumigata* Nyl. ex Zwackh, *Lecidea coarctata* f. *terrula* Hulting, *Lecidea coarctata* subsp. *coarctata* (Turner) Nyl., *Lecidea coarctata* subsp. *dioritica* Vain., *Lecidea coarctata* var. *argilliseda* (Dufour ex Schaer.) Arnold, *Lecidea coarctata* var. *biatoriza* Vain., *Lecidea coarctata* var. *coarctata* (Turner) Nyl., *Lecidea coarctata* var. *dioritica* (Vain.) Vain., *Lecidea coarctata* var. *exposita* Nyl., *Lecidea coarctata* var. *expositella* Vain., *Lecidea coarctata* var. *lutosa* Zahlbr., *Lecidea coarctata* var. *ochrinactella* Vain., *Lecidea coarctata* var. *trapelia* (Ach.) Vain., *Lecidea fulgiana* Chevall., *Lichen coarctatus* Turner, *Parmelia coarctata* (Turner) Ach., *Parmelia coarctata* var. *coarctata* (Turner) Ach., *Patellaria coarctata* (Turner) Wallr., *Rinodina coarctata* (Turner) Gray, *Zeora coarctata* (Turner ex Sm.) Flot., *Zeora coarctata* f. *albomarginata* Hazzl., *Zeora coarctata* f. *coarctata* (Turner ex Sm.) Flot., *Zeora coarctata* var. *coarctata* (Turner ex Sm.) Flot., *Zeora coarctata* var. *variolora* Flot.]

Rarity Ranking: G4, S unranked (S4?), L2

Thallus effuse and continuous to cracked or areolate, prothallus white, very thin, areoles contiguous but sometimes dispersed, white to gray, green-white or pale brown, often tinged pink. Apothecia round, scattered, 0.2-0.8 mm, disc rose-pink to red-brown or brown-black. Substrate: siliceous rocks and stones, bricks, hard clay soil.

VENTURA CO.: Conejo Mountains, along Los Robles Trail (R.E. Riefner 92-112 ASU), N side of hills 4 miles N of Newbury Park (W.A. Weber S1737 COLO); Santa Monica Mountains, Mishe Mokwa Trail between Tri-Peak Trail and Split Rock at 809 m (K. Knudsen 8509 PH/SBBG), Deal Flats on Beltrami property. Also known from Alameda, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Orange, Plumas, Riverside, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, Solano, Sonoma, and Yolo Counties. Photo by Gary Perlmutter.



***Trapelia glebulosa* (Sm.) J.R. Laundon – Pebble Lichen – Trapeliaceae**

[*Biatora coarctata* f. *glebulosa* (Sm.) Arnold, Flora, Regensburg 67: 549 (1884), *Biatora coarctata* var. *glebulosa* (Sm.) Arnold, *Lecidea coarctata* f. *glebulosa* (Sm.) Leight., *Lecidea coarctata* var. *glebulosa* (Sm.) Mudd, *Lecidea glebulosa* (Sm.) Jatta, *Lecidea granulosa* f. *glebulosa* (Sm.) Sandst., *Lecidea gregaria* G. Merr., *Lecidea pholidota* Ach., Syn. meth. lich. (Lund): 53 (1814), *Lepidoma glebulosum* (Sm.) Gray, *Lichen glebulosus* Sm., *Patellaria glebulosa* (Sm.) Spreng., *Psora glebulosa* (Sm.) Hook.]

Rarity Ranking: G4, S unranked (S4?), L3

Thallus crustose, areoles small, unimpeded areoles often recognizable as individuals, prothallus inconspicuous, greenish gray to brownish gray. Apothecia on areoles, disc light pinkish brown to brown or black. Substrate: siliceous rock and brick.

VENTURA CO.: Pine Mountain Ridge, Thorn Meadows (C. Bratt 8336 SBBG); Topatopa Mountains, Sisar Canyon (M. Cole 1248 SBBG);



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Santa Paula Ridge, Toland Road Landfill (*C. Bratt 10410* Esslinger); Simi Hills, Pioneer Summit in Box Canyon (*W. Weber sn 11-Apr-1966* COLO); Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney 5587* SBBG), Chumash Trail at 180 m in Point Mugu State Park (*K. Knudsen 3992.2* UCR), Sycamore Canyon in Point Mugu State Park at 191 m (*K. Knudsen 11231* UCR), drainage above Sycamore Canyon Road at 550 m (*K. Knudsen 12046, 12048* UCR), Sandstone Peak along Backbone Trail past Inspiration Pint at 838 m (*K. Knudsen 8382* UCR), along Yerba Buena Road on NW slope (*K. Knudsen 2695* UCR); Anacapa Islands, West Anacapa Island on ridge E of Summit Peak at 270 m (*K. Knudsen 10864.1* UCR), West Anacapa Island on west end terrace at 122 m (*K. Knudsen 10816* UCR).

Also known from Alameda, Contra Costa, El Dorado, Lake, Los Angeles, Marin, Mariposa, Merced, Monterey, Orange, Riverside, San Benito, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Solano, and Tehama Counties. Photo by Stephen Sharnoff.

Trapelia obtegens (Th. Fr.) Hertel – Rock Cap Lichen – Trapeliaceae

[*Biatora coarctata* var. *obtegens* Th. Fr., *Lecanora coarctata* var. *obtegens* (Th. Fr.) Zahlbr., *Lecidea coarctata* var. *obtegens* (Th. Fr.) Th. Fr., *Lecidea obtegens* (Th. Fr.) Lettau, *Lecidea obtegens* f. *obtegens* (Th. Fr.) Lettau, *Lecidea obtegens* f. *ochrinactella* Vain.]

Rarity Ranking: G unranked, S unranked (S2?), L1
Thallus crustose, areoles with abrupt margins, often scattered, strongly convex, green-gray to pale brownish gray to dull gray-brown. Apothecia frequent, disc pinkish brown to brown-black, rough. Substrate: siliceous rock.

VENTURA CO.: Santa Monica Mountains, Deal Flats on Beltrami property (*Knudsen & Magney 5599* PH/SBBG).

Also known from Amador, Mariposa, San Benito, San Francisco, and Santa Clara Counties.



Trapelia placodioides Coppins & P. James – Small-plate Rock Lichen - Trapeliaceae

Rarity Ranking: G5, S unranked (S2?), L1

Thallus thin, somewhat thickened at margins, margin entire or divided by cracks, pale pinkish gray, slightly pruinose, prothallus whitish. Apothecia very rare, 5 mm diam. Substrate: moist stones, stonework.



VENTURA CO.: Santa Monica Mountains, Party Rock above Carlisle Canyon at 697 m (*J. Lendemer & K. Knudsen 11506* NY); Anacapa Islands, West Anacapa Island (*T. Nash 37118* ASU).

Also known from Mariposa, Orange, Riverside, San Diego, and San Mateo Counties.

Trapeliopsis steppica McCune & Camacho – a Mottled-disc Lichen - Trapeliaceae

Rarity Ranking: G3, S unranked (S3?), L2

Thallus crustose, lobulated or areolate in central parts, squamules round to elongate, cream to light gray. Apothecia rare. Substrate: soil, soil over rock or moss over rock.

VENTURA CO.: Conejo Mountains, along W Potrero Road near Lewis Road (*R. Riefner 92-190* WIS); Santa Monica Mountains, along trunk trail on ridge between



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Wood Canyon and upper La Jolla Valley in Point Mugu State Park at 34.11083°N by 119.02667°W at 267 m (*K. Knudsen et al. 11576.2 UCR*). LOS ANGELES CO.: Santa Monica Mountains, Malibu Creek State Park along Backbone Trail. RIVERSIDE CO.: Santa Ana Mountains. Rare in Santa Monica Mountains.

Also known from Alameda, Contra Costa, Kern, Mariposa, Merced, Orange, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Santa Cruz, and Siskiyou Counties. Photo by Stephen Sharnoff.

Tremella parmeliarum Diederich – Parmelia-loving Jelly Lichen - Tremellaceae

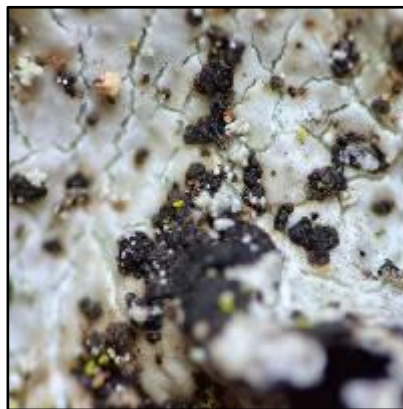
Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus lacking, rarely resupinate over thallus of host, often lobate, inducing formation of distinct galls on host, often lobate, concolorous with lichen host thallus or pale brown, reddish brown, rarely orange or dark brown, 0.4-4 mm diam.

Substrate: thalli of *Parmotrema* and *Rimelia* species.

VENTURA CO.: Anacapa Islands, West Anacapa Island (*S. Chaney 9258 SBBG*).

Also known from Santa Barbara County. Photo by Gary Perlmutter.



Trimmatothelopsis californica K. Knudsen, Dart, Kocourk. & Hodková – California

Cobblestone Lichen - Acarosporaceae

Rarity Ranking: G unranked, S unranked (S2), L1

Thallus crustose, areolate or squamulose to 6+ cm wide, brown to reddish brown to black. Apothecia round, often lacking, 1 per squamule, same color as thallus or darker. Substrate: pioneer on soil in sunny western exposures.

VENTURA CO.: Santa Monica Mountains, Point Mugu State Park on base of cliffs above normal high tide level on volcanic rock at 34.0986°N by 119.0763°W at 3 m (*K. Knudsen & M. Knudsen 4067.2 SBBG*). LOS ANGELES CO.: Santa Monica Mountains, Malibu Creek State Park along Lost Cabin Trail. MONTEREY CO.: Cholame Hills along Cholame Creek – Type Locality. RIVERSIDE CO.: San Jacinto Mountains. SAN BERNARDINO CO.: San Bernardino Mountains. SANTA BARBARA CO.: Santa Cruz Island. Photos by Jason Dart.



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Trimmatothelopsis terricola (H. Magn.) K. Knudsen & Lendemer – Soil Cobblestone Lichen - Acarosporaceae

[*Acarospora terricola* H. Magn.]

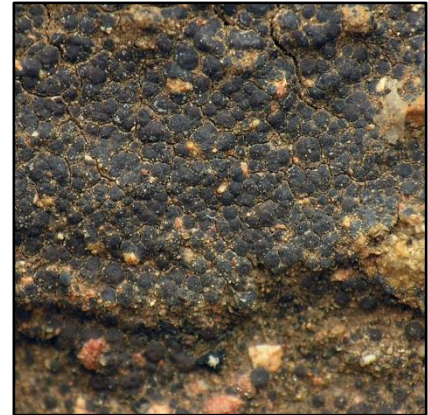
Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, areolate or squamulose to 6+ cm wide, brown to reddish brown to black. Apothecia round, often lacking, 1 per squamule, same color as thallus or darker.

Substrate: pioneer on soil in sunny western exposures.

VENTURA CO.: Santa Monica Mountains, Deals Flat on Beltrami property (*Knudsen & Magney 5608, 5620 SBBG*).

Also known from Inyo, Kern, Los Angeles, Orange, Riverside, San Diego, San Luis Obispo, and Santa Barbara Counties. Photo by Rolf Muerter.



Usnea brattiae P. Clerc – Bratt's Beard Lichen – Parmeliaceae

Rarity Ranking: G unranked, S unranked (S2?), L1



Thallus fruticose, erect-shrubby to subpendulous, 1.5-9 cm long, stiff, branching isotomic-dichotomous especially towards tips, divergent to subparallel, base brownish to reddish brown, branches cylindrical to tapered. Apothecia not seen. Substrate: on bark of *Arctostaphylos* and *Quercus*.

VENTURA CO.: Conejo Mountains, west ridge of Conejo Mountain at 374 m (*J. Hollinger 4229 UCR*).

Also known from Los Angeles, Orange, San Luis

Obispo, and Santa Barbara Counties.

Usnea ceratina Ach. – Warty Beard Lichen – Parmeliaceae

[*Lichen ceratinus* (Ach.) Lam., *Parmelia ceratina* (Ach.) Spreng., *Usnea barbata* var. *ceratina* (Ach.) Schaer., *Usnea ceratina* f. *incurvescens* Arnold, *Usnea ceratina* f. *incurvicens* Arnold, *Usnea ceratina* subsp. *incurvescens* (Arnold) Motyka, *Usnea ceratina* subsp. *incurvicens* (Arnold) Motyka, *Usnea ceratina* var. *incurvicens* (Arnold) H. Olivier, *Usnea incurvescens* (Arnold) Motyka ex B. de Lesd.]



Rarity Ranking: G4, S unranked (S3?), L1

Thallus fruticose, erect-shrubby, subpendulous to pendulous to 30 cm long, coarse to slender, still to flaccid, isotomic- to anisotomic-dichotomous, divergent to parallel branching, branches cylindric to irregular, greenish-gray. Soralia absent to numerous. Apothecia not seen. Substrate: on bark of *Pinus* and *Quercus*.

VENTURA CO: Conejo Mountains, west ridge of Conejo Mountain at 374 m (*J. Hollinger 4229 UCR*); San Nicolas Island, base of L Canyon (*C. Bratt 7967A ASU/SBBG*).

Also known to occur in Del Norte, Humboldt, Lake, Los Angeles, Marin, Mendocino, Monterey, San Mateo, Santa Cruz, San Luis Obispo, Santa Barbara, and Sonoma Counties. Photo by Stephen Sharnoff.

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Usnea esperantiana Clerc – Seaside Beard Lichen – Parmeliaceae

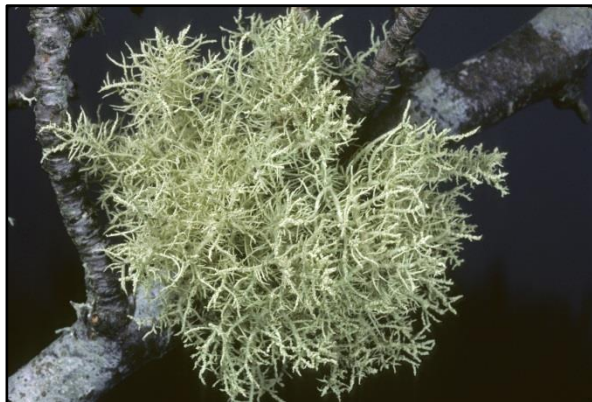
Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus fruticose, erect-shrubby and compact, to 5 cm long, richly anisotomic to isotomic dichotomously branched, divergent, branches cylindrical to irregular, lateral branches constricted at attachment points, greenish gray. Apothecia unknown.

Substrate: on bark of *Quercus*, *Pinus*, and shrubs, sometimes on wood.

VENTURA CO.: San Nicolas Island, W of Owens Road and Monroe Drive at 165 m (R. Reese Naesborg 2317c SBBG), base of L Canyon (C. Bratt 7967b SBBG).

Also known from Humboldt, Los Angeles, Monterey, San Luis Obispo, San Mateo, Santa Barbara, and Siskiyou Counties. Photo by Stephen Sharnoff.



Usnea fragilescens Hav. Ex Lynge – Inflated Beard Lichen – Parmeliaceae

[*Usnea florida* var. *mollis* Vain., *Usnea fragilescens* var. *fragilescens* Hav. ex Lynge, *Usnea mollis* Stirt.]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus fruticose, erect-shrubby to subpendulous, 3-8 cm long, branches irregular to tapering, lateral branches distinctly narrowed at attachment points, segments terete, pale green to greenish.

Apothecia not seen. Substrate: on bark of *Quercus* and *Pinus*, and shrubs.

VENTURA CO: San Nicolas Island, base of L Canyon (C. Bratt 7967B ASU).

Also known from Alameda, Contra Costa, Del Norte, Humboldt, Los Angeles, Marin, Mariposa, Mendocino, Monterey, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Sonoma Counties. Photo by Stephen Sharnoff.

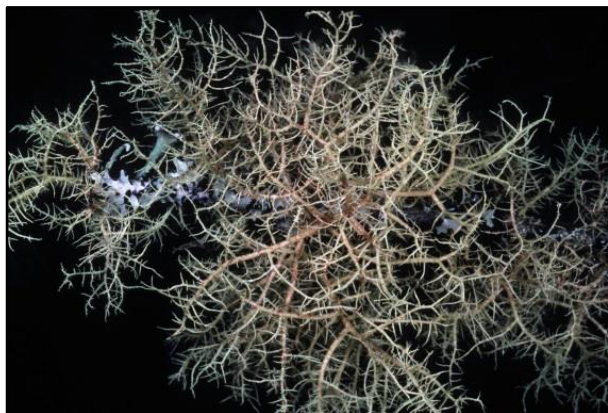


Usnea flavocardia Räsänen – Blood-spattered Beard Lichen – Parmeliaceae

[*Usnea wirthii* P. Clerc]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus fruticose, erect-shrubby, short, 1.5-5 cm long, anisotomic dichotomous branching, branches cylindrical to irregular, swollen or fusiform, segments terete, gray green towards tips, red splotched on stems. Apothecia not seen. Substrate: on bark or rock, rarely on wood, on *Quercus*, *Pinus*, and shrubs.



VENTURA CO: Anacapa Islands, West Anacapa Island (C. Bratt 9254 ASU).

Also known from Alameda, Del Norte, Humboldt, Los Angeles, Marin, Mendocino, Monterey, Orange, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, Plumas, Sierra, and Sonoma Counties. Photo by Stephen Sharnoff.

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***Usnea glabrata* (Ach.) Vein. – Lustrous Beard Lichen - Parmeliaceae**

[*Parmelia barbata* var. *erecta* Schaer., *Usnea articulata* f. *erecta* Stein, *Usnea articulata* f. *glabrata* (Ach.) Zahlbr., Cat. Lich. Univers. 6: 540 (1930), *Usnea barbata* f. *erecta* Schaer. nom. illegit., *Usnea barbata* f. *sorediifera* (Arnold) Arnold, *Usnea barbata* var. *erecta* Rabenh. nom. illegit., *Usnea barbata* var. *sorediifera* Arnold, *Usnea erecta* (Stein) Motyka, *Usnea florida* var. *sorediifera* (Arnold) Hue, *Usnea hirta* var. *sorediifera* (Arnold) Jatta, *Usnea plicata* f. *erecta* Kremp. nom. illegit., *Usnea plicata* f. *glabrata* (Ach.) Ach., *Usnea plicata* var. *glabrata* Ach., *Usnea sorediifera* (Arnold) Lynge, *Usnea sorediifera* f. *sorediifera* (Arnold) Lynge, *Usnea sorediifera* var. *sorediifera* (Arnold) Lynge]

Rarity Ranking: G5, S unranked (S4?), L1

Thallus Fruticose, erect-shrubby, 2-5 cm long, branches glossy on surface, divergent, branches inflated and fusiform, narrowed at attachment points, foveolate or with transverse furrows, grayish green. Apothecia not seen. Substrate: bark of *Quercus* and *Pinus*.

VENTURA CO.: Santa Monica Mountains, Deal Flats on Beltrami property.

Also known from Alameda, Calaveras, Contra Costa, Humboldt, Lake, Los Angeles, Marin, Mendocino, Monterey, Napa, Plumas, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Siskiyou, and Sonoma Counties. Photo by Stephen Sharnoff.



***Usnea hirta* (L.) Weber ex F.H. Wigg. – Bristly Beard Lichen – Parmeliaceae**

[*Lichen hirtus* L., *Usnea barbata* var. *villosa* (Ach.) Koltz, *Usnea florida* f. *minutissima* Mereschk., *Usnea florida* f. *villosa* (Ach.) Zahlbr., *Usnea florida* var. *hirta* (L.) Ach., *Usnea florida* var. *villosa* Ach., *Usnea hirta* f. *minutissima* (Mereschk.) Erichsen, *Usnea hirta* subsp. *comiformis* (Motyka ex Räsänen) Motyka, *Usnea hirta* subsp. *hirta* (L.) Weber ex F.H. Wigg., *Usnea hirta* subsp. *villosa* (Ach.) Räsänen, *Usnea hirta* var. *comiformis* Motyka ex Räsänen, *Usnea hirta* var. *minutissima* (Mereschk.) Cretz., *Usnea plicata* var. *hirta* (L.) Ach., *Usnea variolosa* Motyka]

Rarity Ranking: G5, S unranked (S3?), L1

Thallus fruticose, shrubby, short, to 5 cm long, rarely longer and subpendant, flaccid to stiff, branching anisotomic-dichotomous, divergent, branches irregular, swollen, lateral branches not narrowed, segments terete to strongly ridged, grayish green. Apothecia rare, 1-3 mm diam., subterminal. Substrate: bark and dead trees or wood, rarely on rock.

VENTURA CO.: Ventura Hills, Harmon Canyon in oak grove along Family Farr Trail at 272 m (R. Reese Naesborg 2769 SBBG).

Also known from Contra Costa, El Dorado, Humboldt, Los Angeles, Marin, Mendocino, Monterey, Orange, Plumas, Riverside, San Benito, San Diego, San Luis Obispo, Santa Clara, Santa Cruz, Santa Barbara, and Siskiyou Counties. Photo by Stephen Sharnoff.



***Usnea parvula* Motyka – Small Beard Lichen - Parmeliaceae**

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus fruticose, shrubby, usually short, 3-8 cm long, anistomic-dichotomous, divergently branched, branches irregular, distinctly segmented, swollen, grayish green. Apothecia terminal to subterminal, 2-17 mm diam., paler than thallus. Substrate: bark of *Pinus* and *Pseudotsuga*.



VENTURA CO.: San Nicolas Island, west end at 150 m (T. Nash 38711 ASU/SBBG).

Also known from Santa Barbara County. Photo by Stephen Sharnoff.

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By David L. Magney

Usnea rubicunda Stirton – Red Beard Lichen – Parmeliaceae

[*Usnea pensylvanica* Motyka, *Usnea protensa* Stirt., *Usnea rubicunda* var. *spilota* (Stirt.) G.N. Stevens, *Usnea spilota* Stirt., *Usnea subulurida* Stirt.]

Rarity Ranking: G4, S unranked (S3?), L1

Thallus fruticose, shrubby, small and erect to large and almost pendulous, trunk cortex reddish, red-orange, divergently branched, branches terete, grayish green.

Apothecia not seen. Substrate: on bark, rarely on rock or wood.

VENTURA CO.: San Nicolas Island, W of intersection of Owens Road and Monroe Drive at 165 m (*R. Reese Naesborg 2317c SBBG*).

Also known from Alameda, Contra Costa, Del Norte, Humboldt, Los Angeles, Marin, Mendocino, Monterey, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Sonoma Counties. Photo by Frank Bungartz.



Vahliella californica (Tuck.) P.M. Jørg. – California Brown Plate Lichen – Vahliellaceae

[*Fuscopannaria californica* (Tuck.) P.M. Jørg.]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, squamulose, squamules very thick to 0.5 mm thick & to 2 mm wide, brownish. Apothecia common. Substrate: dry rock outcrops.

VENTURA CO.: Santa Monica Mountains, Calderon property W of Deals Flat on Conejo Volcanics (*D. Magney 119-24 UCSB*), Deals Flat on Beltrami property S of Pacific View Drive at 423 m (*K. Knudsen & D. Magney 5614 PH*).

AMADOR CO.: Eldorado NF along Cole Creek 0.2 mi W of North Fork Mokelumne River bridge. GLENN CO.: Mendocino NF near jtn of roads to Dixon Orchara & Noel Spring Ridge at 869 m. LOS ANGELES CO.: Santa Monica Mountains, Sepulveda Canyon (*H.E. Hasse 496 US*); San Gabriel Mountains in Rubio Canyon (*H.E. Hasse 392 US*); Santa Catalina Island NW of Emerald Bay (*K. Knudsen 15388.3 SBBG*), in Middle Canyon below old state station at 183 m (*W.A. Weber L-42918 COLO*).



MADERA CO.: Sierra NF along Rock Creek at 1340 m (*B.D. Ryan 32149 ASU*), S of ridge at E end of Kerckhoff Lake at 3050 m. MARIPOSA CO.: Yosemite NP at Glacier Point.

MONTEREY CO.: Los Padres NF at Wagon Wheel Rocks along Del Venturi Road at 465; Santa Lucia Mountains in Los Padres NF on E side of Nacimiento-Fergusson Road at 820 m, Limekiln State Park along Albion Trail at 102 m. PLUMAS CO.: Plumas NF along Lower Emigrant Creek at 1801 m. SAN BENITO CO.: Pinnacles NM. SANTA BARBARA CO.: Santa Cruz Island on ridge to Ragged Mountain at 380 m; Sierra Madre Mountains along Bates Canyon Road at 1067 m. SANTA CRUZ CO.: Big Basin Redwoods State Park at 500 m. TULARE CO.: Kaweah River drainage N of Three Rivers at 671 m, slopes above Oriole Lake at 1753 m.

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By David L. Magney

Varicellaria velata (Turner) Schmitt & Lumbsch – Rimpled Wart Lichen – Pertusariaceae

[*Lichen velatus* (Turner) Sm. & Sowerby, *Parmelia velata* Turner, *Pertusaria santamonicae* Dibben, *Pertusaria velata* (Turner) Nyl., *Pertusaria velata* f. *velata* (Turner) Nyl., *Pertusaria velata* subsp. *velata* (Turner) Nyl., *Pertusaria velata* var. *velata* (Turner) Nyl., *Variolaria velata* (Turner) Ach.]

Rarity Ranking: G5, S unranked (S3?), L1

Thallus crustose, fissured to areolate with thin to moderately thick verrucae, whitish gray to yellowish gray, rugose-plicate, dull, pruinose. Apothecia 1 per verruca, disc pink, sunken. Substrate: bark of *Quercus*.

VENTURA CO.: Hidden Valley, on smooth bark of *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. at 34°08'31"N by 118°55'11"W at 359 m; Anacapa Islands, West Anacapa Island (K. Knudsen 10797 UCR).

Also known from Contra Costa, Los Angeles, Marin, Monterey, Riverside, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Sierra, and Sonoma Counties. Photo by Stephen Sharnoff.



Verrucaria calkinsiana Servit – Calkins' Speck Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S2?), L2

Thallus indistinct, to 0.15 mm thick, continuous and sparsely fissured to verruculose, grayish white to pale tawny, dull. Perithecia half immersed to almost superficial, brown. Substrate: epilithic on sandstone and volcanic rock.

VENTURA CO.: Ventura Hills, Harmon Canyon along Harmon Creek at 268 m (R. Reese Naesborg 2706, 2717 SBBG) at 273 m (R. Reese Naesborg 2724 SBBG); Santa Monica Mountains (K. Knudsen 5611 ASU/UCR); Anacapa Islands, West Anacapa Island on ridge W of Summit Peak at 192 m (K. Knudsen 10858 UCR); San Nicolas Island, E side of island at 20 m (T. Nash 38915 ASU), on ridge above Dutch Harbor at 118 m (R. Reese Naesborg 2444 SBBG), rim of S side at 247 m (K. Knudsen 17729.2 UCR).

Also known from Los Angeles, Orange, Riverside, San Diego, Santa Barbara, and Santa Cruz Counties. Photo by Garry Neil.



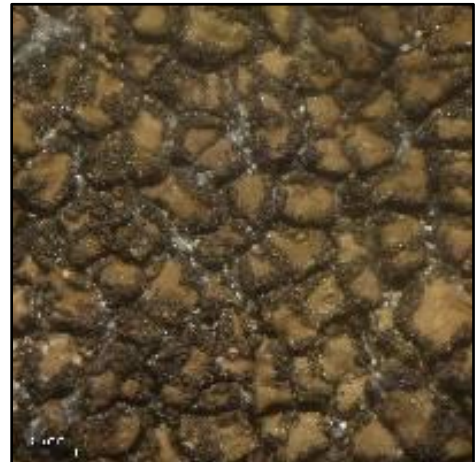
Verrucaria furfuracea (B. de Lesd) Breuss – Scurfy Speck Lichen – Verrucariaceae

[*Verrucaria macrostoma* f. *furfuracea* B. de Lesd.]

Rarity Ranking: G unranked, S unranked (S3?), L1

Verrucaria furfuracea is a black-colored crustose lichen typically found on rock substrates. It ranges from southern California to Arizona and Nevada; however, it has only been collected 17 times, including that from the Ash property.

VENTURA CO.: Santa Monica Mountains/Hidden Valley, on Conejo Volcanics boulder outcrop at edge of the in Wildflower Field on Charles Ash's property at 1430 Hidden Valley Road (K. Knudsen et al. 9667 UCR); Conejo Mountains, grout of brick wall of abandoned house foundation (K. Knudsen et al. 5150 UCR).



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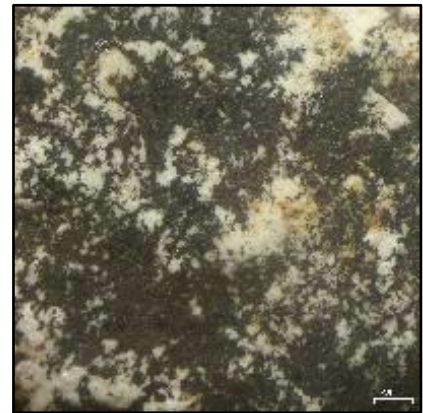
LOS ANGELES CO.: Santa Monica Mountains, Calabash Canyon on N-facing slope above stream (K. Knudsen 7959 UCR); Ballona Creek, intertidal zone on S levee near confluence of Centinela Creek (K. Knudsen 8284 UCR). SAN DIEGO CO.: Cuyamaca State Park: Paso Picacho Campground: unburnt oaks and conifers (K. Knudsen 3469 UCR). ORANGE CO.: Santa Ana Mountains, N of Windy Ridge Road in seasonal streambed cut through sandstone outcrop (K. Knudsen 6416 UCR). SANTA BARBARA CO.: San Miguel Island, between Green Mountain and San Miguel Hill (K. Knudsen 6702 UCR), exposed caliche outcrop on trail to Caldwell Point near ravine in Willow Canyon drainage (K. Knudsen 6728 UCR), south of summit of Green Mountain (K. Knudsen 6751 UCR), top of Green Mountain (K. Knudsen 6790 UCR); Santa Rosa Island, along Smith Highway (K. Knudsen 7397 UCR), Quernada Canyon (K. Knudsen 8679 UCR), Sandy Point (K. Knudsen 8797 UCR). ARIZONA. MARICOPA CO.: White Tank Mountains, County Regional Park (T.H. Nash III 9829-a ASU).

Verrucaria fusca Pers. – a Speck Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S3?), L2
Thallus crustose, irregularly granular-areolate, thin, sometimes becoming subgelatinous when wet, partly with dark fimbriate prothallus, areoles 0.1-0.2 mm thick, brown to brown-black, dull, rough. Perithecia prominent, hemispherical, same color as thallus. Substrate: epilithic, calcareous rocks and caliche.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (C. Bratt 5036 SBBG); Conejo Mountains, N slope Conejo Mountain at 99 m (J. Kendemer & K. Knudsen 11450 NY), at 63 m (K. Knudsen et al. 5139 DUKE/UCR).

Also known from Los Angeles, Orange, Plumas, Riverside, San Benito, San Bernardino, San Luis Obispo, Santa Barbara, Santa Cruz, and Tuolumne Counties. Photo by Jason Hollinger.



Verrucaria fuscoatroides Servit – a Speck Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, areolate, 0.2-0.3 mm thick, without a black basal layer, with or without prothallus, areoles angular to irregular, grayish brown to dark brown, dull. Perithecia single



per areole, brownish to darker brown. Substrate: epilithic, on siliceous or slightly calciferous rocks. VENTURA CO.: Ventura Hills, Harmon Canyon between Harmon Canyon Road and Harmon Creek (R. Reese Naesborg 2720 SBBG), along Harmon Creek at 268 m (R. Reese Naesborg 2705 SBBG) at 273 m (R. Reese Naesborg 2727 SBBG); Simi Valley, Rocky Pointe Park at 335 m (C. Bratt 11345 SBBG); Santa Monica Mountains, NE slope of Sandstone Peak along Mishe Mokwa Trail at 670 m (K. Knudsen 5664 ASU/SBBG/UCR); San Nicolas Island, in Celery Canyon at 40 m (R. Reese Naesborg 2185b SBBG), end of Theodolite Road at 225 m (K. Knudsen 16465.2 SBBG).

Also known from Contra Costa, Kern, Los Angeles, Monterey, Orange, Riverside, San

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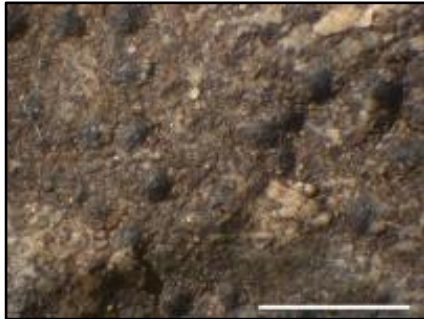
By David L. Magney

Benito, San Bernardino, San Diego, Santa Barbara, and Santa Clara Counties. Photo by Garry Neil.

Verrucaria memnonia (Flot.) Arnold – a Speck Lichen – Verrucariaceae

[*Verrucaria maura* var. *memnonia* Flot.]

Rarity Ranking: G unranked, S unranked (S2?), L1



Thallus crustose, thinly granular areolate, becoming subgelatinous when wet, areolas convex to granular, 0.05-0.15 mm wide, brown to brown-black, dull, rough. Perithecia prominent, hemispherical, brown, 0.15-0.25 mm wide. Substrate: epilithic on calcareous and siliceous rocks.

VENTURA CO.: Santa Monica Mountains, Deal Flats on Beltrami property (*Knudsen & Magney 5611 DUKE/SBBG*), Deer Creek Ridge at 288 m (*K. Knudsen 5586*

SBBG).

Also known from Los Angeles, Orange, San Benito, San Bernardino, San Diego, San Luis Obispo, and Santa Barbara Counties. Photo by Bruce McCune.

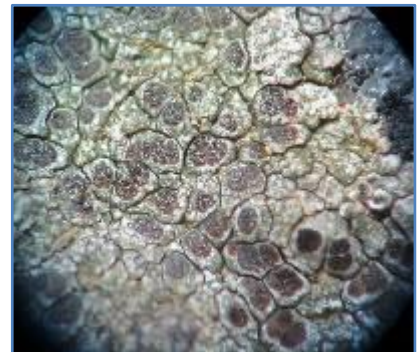
Verrucaria mimicrans Servit – a Speck Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S2?), L1

Thallus crustose, inconspicuous, when epilithic somewhat farinose, whitish gray to tawny. Perithecia superficial, hemispherically prominent, black, rough. Substrate: semi-endolithic or thinly epilithic, limestone, sandstone.

VENTURA CO.: Ventura Hills, along Hall Canyon Road on Mariano property at 78 m (*R. Reese Naesborg 2903, 2910 SBBG*); Santa Monica Mountains (*Knudsen ??? SBBG*); San Nicolas Island, near NAVFAC & in gullies behind Tranquility Beach at 25 m (*T. Nash 38678 ASU*), downslope of Theodolite Road (*T. Nash 38755 ASU*), S of Tufts Road at 171 m (*R. Reese Naesborg 2226a SBBG*).

Also known from, Los Angeles, San Benito, San Bernardino, San Luis Obispo, and Santa Barbara Counties. Photo by Chris Coshland.

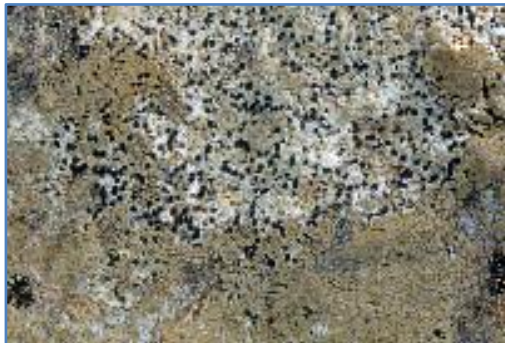


Verrucaria muralis Ach. – a Speck Lichen – Verrucariaceae

[*Verrucaria muralis* var. *submuralis* (Nyl.) H. Olivier]

Rarity Ranking: G5, S unranked (S2?), L1

Thallus crustose, continuous to irregularly rimose, rarely areolate, areoles subangular to irregular, 0.3-0.6 mm wide, gray, grayish white or pale brown, dull. Perithecia black, dome-shaped to hemispherical. Substrate: semi-endolithic to epilithic usually on soft or weathered calcareous rocks.



VENTURA CO.: Santa Monica Mountains; San Nicolas Island (*T. Nash 38680 ASU*), between NAVFAC Road and beach (*S. Tucker 33672 SBBG*), on ridge above Dutch Harbor (*R. Reese Naesborg 2440c SBBG*).

Also known from Lake, Los Angeles, Marin, Riverside, San Luis Obispo, Santa Barbara, Santa Clara, and Santa Cruz Counties. Photo by Stephen Sharnoff.

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Verrucaria rupicola (B. de Lesd) Breuss – a Speck Lichen – Verrucariaceae

[*Dermatocarpon rupicola* (B. de Lesd.) Zahlbr., *Endopyrenium rupicola* B. de Lesd., *Verrucaria rupicola* (B. de Lesd.) Breuss]

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, cracked-areolate to subsquamulose, 0.15-0.20 mm thick, areoles angular to irregularly roundish, plane to slightly convex, 0.3-0.6 mm wide, brown. Perithecia 2-5/areole, black. Substrate: epilithic on calcareous rocks.

VENTURA CO.: Santa Monica Mountains, on sandstone boulder in Sycamore Canyon in Point Mugu State Park on Ranch Center Trail in hills at 34.13417°N by 118.98167°W, 173 m (K. Knudsen *et al.* 11234 UCR).

Also known from Los Angeles, San Bernardino, and Santa Barbara Counties. Photo by Sheila Strawn.



Verrucaria rufofuscella Servit – a Speck Lichen - Verrucariaceae

Rarity Ranking: G unranked, S unranked (S1?), L1

Thallus crustose, rimose-areolate, 0.2-0.35 mm thick with broad obtuse fissures, areoles subangular to irregularly roundish-angular, dark brown to reddish brown, dull. Perithecia 1-3/areole, immersed, black. Substrate: epilithic on sandstone and shale.

VENTURA CO.: Santa Monica Mountains, Point Mugu State Park along Chumash Trail at 180 m (K. Knudsen 3982 UCR), Sandstone Peak along Mishe Mokwa Trail at 670 m (K. Knudsen 5664 DUKE).

Also known from Los Angeles, Santa Barbara, and Tuolumne Counties.

Vouauxiella lichenicola (Lindsay) Petr. & Sydow – Lecanora-loving Lichen – Pezizomycotina

[*Torula lichenicola* Linds.]

Rarity Ranking: G unranked, S unranked (S3?), L1

Thallus crustose, immersed. Pycnidia black, mostly immersed, wall brown or pale blue.

Substrate: *Lecanora*, typically the edges of the apothecial disc.

VENTURA CO.: Santa Monica Mountains?, nearest known occurrences is at Nicholas Flat just E of Ventura County.

Also known from Los Angeles, Mariposa, Monterey, Riverside, San Bernardino, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, and Tuolumne Counties.

Wahlenbergiella striatula (Wahlenb.) Gueidan & Thüs – a Speck Lichen – Verrucariaceae

[*Lithoidea striatula* (Wahlenb.) Gray, *Verrucaria melas* Herre, *Verrucaria striatula* Wahlenb., *Verrucaria striatula* f. *continua* M. Knowles, *Verrucaria striatula* f. *striatula* Wahlenb., *Verrucaria striatula* subsp. *australis* R. Sant., *Verrucaria striatula* subsp. *borealis* R. Sant., *Verrucaria striatula* subsp. *striatula* Wahlenb.]

Rarity Ranking: G4, S unranked (S1?), L1

Thallus crustose, episubstratal, continuous, diffuse, cracked, fissured, rimose, blackish green, greenish black. Apothecia perithecioid. Substrate: rock.

VENTURA CO.: Anacapa Islands, West Anacapa Island (K. Knudsen 10685 UCR).

Also known from Los Angeles, Monterey, San Francisco, and San Luis Obispo Counties.

Xanthomendoza fallax (Hepp ex. Arn.) Søchting, Kärnefelt & S. Kondr. – Hooded Sunburst Lichen – Teloschistaceae

[*Oxneria fallax* (Arnold) S.Y. Kondr. & Kärnefelt, *Placodium fallax* Hepp, *Xanthomendoza fallax* var. *fallax* (Arnold) Søchting, Kärnefelt & S.Y. Kondr., *Xanthoria fallax* (Hepp) Arnold, *Xanthoria fallax* f. *dolomitica* Gyeln., *Xanthoria fallax* f. *fallax* Arnold, *Xanthoria fallax* var. *fallax* (Hepp) Arnold, *Xanthoria fallax* var. *lychneoides* (Mereschk.) Erichsen, *Xanthoria fallax* var. *subsorediosa* (Räsänen) D.D. Awasthi]

Rarity Ranking: G5, S unranked (S5?), L3

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Thallus foliose, forming small to medium sized rosettes to 3 cm wide, adnate to loosely



adnate,
lobate, lobes
dorsiventral,
flattened to
convex, 0.8-2
mm wide,
tips truncate
to rotund,
0.3-0.9 mm



wide, yellow to orange, smooth to shiny. Apothecia

rare, laminal, stipitate, to 2.5 mm diam., disc orange. Substrate: bark, rarely rock or detritus. VENTURA CO.: Cuyama Badlands, Ballinger Canyon at Ballinger CG (C. Bratt 3276, 3288 SBBG), Ozena Valley at Ozena CG (C. Bratt 3340 SBBG); Chuchupate Valley, along Mill Valley Road (C. Bratt 11662 SBBG); Pine Mountain Ridge, Reyes Peak (E. Schmidt 978 WIS); North Fork Matilija Creek, Wheeler Springs (M. Cole 1270 WIS); Nordhoff Ridge, Sheldon Canyon along Cozy Dell Trail at 84 m (G. Perlmutter 6 NCU); Topatopa Mountains, Upper Sisar Canyon along Sisar Canyon Road 1 mile N of Summit (M. Cole 1243 WIS); Ojai Valley, Lake Casitas (S. Tucker 32275 LSU); Sulphur Mountain, Weldon Canyon (C. Bratt 5363 SBBG), Wheeler Canyon on UNOCAL property (C. Bratt 11299 SBBG); Ventura Hills, Harmon Canyon on ridge along Family Farr Trail at 253 m (R. Reese Naesborg 2686 SBBG); Whiteacre Peak Ridge, Hopper Ranch NE of Fillmore (C. Bratt 1310, 1311 SBBG/US), Hopper Mountain NWR near headquarters barn (H. Liu 13 UCSB); Santa Monica Mountains, Little Sycamore Canyon (R. Mower 1577093 ASU/UC), between Mulholland Highway and Sycamore Canyon Road at 514 m (K. Knudsen 18246 SBBG); San Nicolas Island, between NAVFAC Road and Conservation Center and beach (S. Tucker 33689b SBBG).

Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Glenn, Inyo, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mendocino, Merced, Modoc, Mono, Monterey, Napa, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Joaquin, San Luis Obispo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Stanislaus, Sutter, Tehama, Trinity, Tulare, Tuolumne, and Yuba Counties. Photo by Troy McMullin and Stephen Sharnoff.

***Xanthomendoza fulva* (Hoffm.) Söchting, Kärnefelt & S. Kondr. – Bare-bottomed Sunburst Lichen – Teloschistaceae**

[*Gallowayella fulva* (Hoffm.) S.Y. Kondr., Fedorenko, S. Stenroos, Kärnefelt, Elix, Hur & A. Thell, *Lobaria fulva* Hoffm., *Oxneria fulva* (Hoffm.) S.Y. Kondr. & Kärnefelt, *Xanthoria fulva* (Hoffm.) Poelt & Petutschnig]

Rarity Ranking: G5, S unranked (S5?), L2

Thallus foliose, dark red-orange to medium orange. Apothecia rarely seen, pycnidia common, resembling dark orange pimples. Substrate: bark, wood, rarely rock.

VENTURA CO.: Chuchupate Valley, along Mill Valley Road on *Quercus john-tuckeri* (C. Bratt 11670 SBBG); Frazier Mountain, along Frazier Mountain Road above Chuchupate Ranger Station (K.M. Keeman 8560 Kellman); Upper Piru Creek, E of Lockwood Peak at 5,709 ft on *Quercus chrysolepis* (W. Foss sn 30-Jun-1998 OSC); Santa Monica Mountains, on *Quercus agrifolia* in Wood Canyon, Point Mugu State Park,



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34°7'38"N, 119°0'51"W, 383 m (*J. Kocourkova et al. sn 13-Aug-2009* UCR), Rocky Oaks at 531 m (*J. Kocourkova et al. sn 14-Aug-2009* UCR).

Also known from Butte, El Dorado, Fresno, Humboldt, Inyo, Kern, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Mono, Monterey, Napa, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, and Yolo Counties. Photo by Stephen Shernoff.

Xanthomendoza hasseana (Räsänen) Sochting, Kärnefelt & S. Kondr. – Poplar Sunburst Lichen – Teloschistaceae

[*Gallowayella hasseana* (Räsänen) S.Y. Kondr., Fedorenko, S. Stenroos, Kärnefelt, Elix, Hur & A. Thell, *Oxneria hasseana* (Räsänen) S.Y. Kondr. & Kärnefelt, *Xanthoria hasseana* Räsänen]

Rarity Ranking: G5, unranked, S unranked (S5?), L1

Thallus foliose, forming small to medium-sized rosettes to 3 cm wide, tips rotund to pointed, 0.1-0.4 mm wide, yellow to light orange, smooth to shiny. Apothecia common, laminal, stipitate, to 3.5 mm in diam., disc orange. Substrate: bark, sometimes on rock or detritus.



VENTURA CO.: Sulphur Mountains, Wheeler Canyon on UNOCAL property (*C. Bratt 11302* SBBG); Ventura Hills, Harmon Canyon along Family Farr Trail at 193 m (*R. Reese Naesborg 2654* SBBG) at 253 m (*R. Reese Naesborg 2661* SBBG); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. at 34.82519°N, 118.68072°W at 355 m and 383 m (*K. Knudsen et al. 9614, 9680* UCR).

Also known from Alameda, Amador, Butte, Calaveras, Contra Costa, El Dorado, Fresno, Glenn, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Napa, Nevada, Orange, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Stanislaus, Tehama, Trinity, Tulare, Tuolumne, and Yolo Counties. Photo by Stephen Sharnoff.

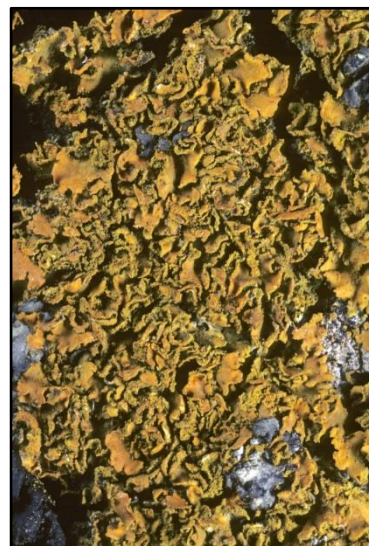
Xanthomendoza oregana (Gyeln.) Søchting, Kärnefelt & S.Y. Kondr. – Thin-lipped Sunburst Lichen – Teloschitaceae

[*Gallowayella oregana* (Gyeln.) S.Y. Kondr., Fedorenko, S. Stenroos, Kärnefelt, Elix, Hur & A. Thell, *Oxneria oregana* (Gyeln.) S.Y. Kondr. & Kärnefelt, *Xanthoria oregana* Gyeln.]

Rarity Ranking: G unranked, S unranked (S5?), L1

Thallus foliose to subfruticose, forming small to medium-sized rosettes up to 3 cm wide or into extensive colonies, loosely adnate, lobate, lobes dorsiventral, flattened to concave or irregular, 0.4-1 mm wide, tips rotund, yellow to orange, smooth to shiny, often wrinkled. Apothecia rare, laminal, stipitate, to 3.5 mm diam., disc orange. Substrate: bark, rarely detritus, rock, or soil.

VENTURA CO.: Sulphur Mountain, Wheeler Canyon on UNOCAL property (*C. Bratt 11303, 11304* SBBG); Santa Monica Mountains, N slope Clarks Peak along Cotharin Road at 342 m (*K. Knudsen 18277* SBBG); San Nicolas Island, area with palm trees next to Tufts Road at 150 m (*T. Hash 38784-b* ASU), near Twin Towers at 274 m (*C. Bratt 11951* SBBG).



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Also known from Alameda, Amador, Butte, Calaveras, Colusa, Contra Costa, El Dorado, Fresno, Humboldt, Kern, Lake, Lassen, Los Angeles, Madera, Marin, Mariposa, Mendocino, Modoc, Monterey, Napa, Placer, Plumas, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Stanislaus, Tehama, Tulare, Tuolumne, and Yolo Counties. Photo by Stephen Sharnoff.

Xanthoparmelia angustiphylla (Gyeln.) Hale – Meagre Rock-shield Lichen – Parmeliaceae

[*Parmelia angustiphylla* (Gyeln.) Gyeln., *Parmelia conspersa* var. *angustiphylla* Gyeln.]

Rarity Ranking: G5, S unranked (S2?), L1
Thallus foliose, loosely adnate, heteromerous, yellowish green. Apothecia lecanorine, 3-10 mm across, disc brown. Substrate: rocks.
VENTURA CO.: not stated.

Also known from Butte, Los Angeles, Marin, Riverside, San Luis Obispo, and Siskiyou Counties.

Photo by Andrew Khitsun.



Xanthoparmelia cumberlandia (Gyelnik) Hale – Cumberland Rock-shield Lichen – Parmeliaceae

[*Parmelia cumberlandia* (Gyeln.) Hale, *Parmelia subconspersa* var. *cumberlandia* Gyeln.]

Rarity Ranking: G5, S unranked (S5?), L3
Thallus foliose, adnate, lobes irregular, yellow-green to bluish green, smooth, shiny. Apothecia common, cinnamon-brown to dark brown.
Substrate: rocks.

VENTURA CO.: North Fork Matilija Creek, Wheeler Springs (M.S. Cole 1255 WIS); Upper Ojai Valley, Dennison Park (C. Bratt 1162, 1163 SBBG/US); Simi Valley, Rocky Peak Park (C. Bratt 11316, 11327, 11356 SBBG); Conejo Mountains, Camarillo Regional Park (C. Bratt 10973, 10975 ASU/SBBG), Long Grade Canyon at 70 m (R. Riefner 20-253 UCR); Hidden Valley, ¼ mile E of Lake Sherwood (J. Malchowski sn 3-Jan-1974 MSC); Santa Monica Mountains, Deals Flat on Beltrami property, Calderon property, Sycamore Canyon along Yerba Buena Road (K. Knudsen 3709 PH/UCR), Arroyo Sequit in Leo Carillo State Park at 65 m (K. Knudsen 3729 PH), Sandstone Peak (K. Knudsen 2499 NY).

Also known from Amador, Colusa, Contra Costa, Del Norte, El Dorado, Fresno, Inyo, Kern, Los Angeles, Madera, Marin, Mariposa, Mendocino, Merced, Monterey, Nevada, Orange, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Sonoma, Sutter, Tulare, Tuolumne, Yuba Counties.



Xanthoparmelia lineola (E.C. Berry) Hale – Tight Rock-shield Lichen – Parmeliaceae

[*Parmelia lineola* E.C. Berry, *Parmelia rimalis* Kurok., *Xanthoparmelia rimalis* (Kurok.) Elix, A. Thell & Søchting]

Rarity Ranking: G5, S unranked (S5?), L2

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By David L. Magney

Thallus foliose, adnate, 4-20 cm diam., irregularly lobate, lobes elongate, 0.8-3 mm wide, yellow to yellow-green, smooth becoming strongly rugose with age. Apothecia common, 2-5 mm wide, laminal on thallus, disc cinnamon-brown to dark brown. Substrate: acidic rocks. VENTURA CO.: Cuyama Badlands, along SR33 11.3 km N of Pine Mountain Road (E.



Schmidt 882 ASU); Middle Sespe Creek, Sespe Gorge above SR33 (I. Tavares 1286 ASU/UC); Matilija Canyon, 3.5 miles W of Matilija Hot Springs (W. Weber 1039 ASU/COLO); Ojai Valley, Lake Casitas (S. Tucker 32273 ASU/SBBG); Santa Paula Ridge, Toland Road Landfill (C. Bratt 10425, 10426 ASU/SBBG); Conejo Mountains, S side of hills 4 miles N of Newbury Park on Ventura Blvd (W. Weber L-77669 ASU/COLO); Hidden Valley, on *Quercus agrifolia* on Ash property at 1430

Hidden Valley Rd. at 34.14167°N by 118.91833°W at 362 m (K. Knudsen et al. 9668.2 UCR); Santa Monica Mountains, near summit of Sandstone Peak at 921 m (K. Knudsen 8467 PH/UCR).

Also known from Alameda, Amador, Butte, Contra Costa, Del Norte, Fresno, Humboldt, Kern, Los Angeles, Marin, Mendocino, Merced, Monterey, Orange, Riverside, Sacramento, San Benito, San Bernardino, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Siskiyou, Sonoma, Tulare, and Yolo Counties. Photo by Stephen Sharnoff.

Xanthoparmelia mexicana (Gyelnik) Hale – Salted Shield Lichen – Parmeliaceae

[*Parmelia mexicana* Gyeln., *Parmelia ramigera* f. *minuta* Gyeln., *Parmelia ramigera* f. *murita* Gyeln.]

Rarity Ranking: G5, S unranked (S5?), L3



Thallus foliose, adnate to loosely adnate, 4-10 cm diam, irregularly lobate, lobes subirregular, elongate, plant to subconvent, separate, 1.5-4 mm wide, yellow-green, smooth, shiny. Apothecia rare, substipitate, 2-7 mm wide, disc cinnamon-brwn to dark brown. Substrate: acidic rocks.

VENTURA CO.: Topatopa Mountains, ridgetop at head of Bear Canyon at 1524 m (C.C. Bratt 1018 ASU), ridgetop between Bear and Santa Paula Canyons (C.C. Bratt 1017, 1018 SBBG); Conejo Mountains, N

slope of Conejo Mountain above Conejo Creek at 99 m (J.C. Lendemer & K. Knudsen 11455 NY, K. Knudsen 4026, 4035 SBBG), Camarillo Regional Park (C.C. Bratt 10972 SBBG); Santa Monica Mountains, Deals Flat on Beltrami property, below trail to Tri-Peaks at 829 m (K. Knudsen 8491.1 SBBG), near summit of Sandstone Peak at 921 m (K. Knudsen 8473 SBBG), Party Road at 697 m (J.C. Lendemer & K. Knudsen 11501 NY), Leo Carrillo State Park in Arroyo Sequit at 65 m (K. Knudsen 3738 PH); West Anacapa Island, on plateau at W end at 100 m (T.H. Nash III 37074 ASU/MIN, K. Knudsen 10815 SBBG), N side of Summit Peak (C.C. Bratt 2014 ASU/SBBG, S. Chaney L-21 SBBG).

Also known from Alameda, Butte, Contra Costa, El Dorado, Inyo, Kern, Los Angeles, Marin, Mariposa, Mendocino, Monterey, Orange, Riverside, Sacramento, San Benito, San

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Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Shasta, Siskiyou, Sonoma, Sutter, and Tulare Counties. Photo by Stephen Sharnoff.

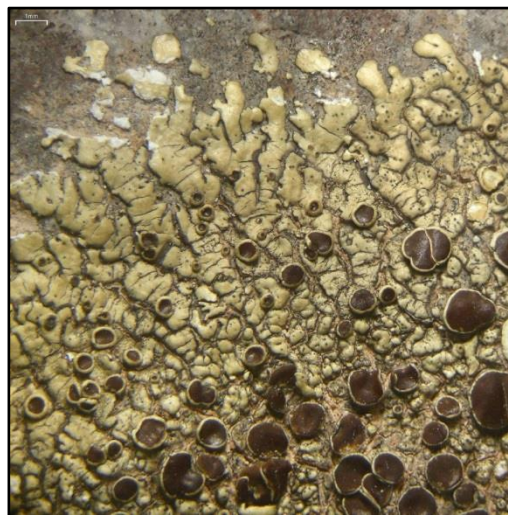
Xanthoparmelia oleosa (Elix & P.M. Armstrong) Elix – a Rock-shield Lichen – Parmeliaceae

[*Parmelia oleosa* Elix & P.M. Armstr.]

Rarity Ranking: G4, S unranked (S1?), L1
Thallus foliose, sometimes appearing areolate centrally, tightly adnate, 3-8 cm diam., lobes subirregular to sublinear, elongate, 0.8-2 mm wide, yellow-green. Apothecia common, adnate, 1-4 mm wide, laminal on thallus, disc cinnamon-brown to dark brown. Substrate: acidic rocks often in open shaded habitats.

VENTURA CO.: Upper Sespe Creek, Sespe Gorge (C. Bratt 5032 ASU/SBBG).

Also known from Riverside, San Bernardino, and San Diego Counties. Photo by Jason Hollinger.



Xanthoparmelia verruculifera (Nyl.) O. Blanco, A. Crespo, Elix, D. Hawksw. & Lumbsch – Carbuncular Rock-shield Lichen – Parmeliaceae

[*Imbricaria glomellifera* (Nyl.) Arnold, *Imbricaria verruculifera* (Nyl.) Arnold, *Neofuscelia verruculifera* (Nyl.) Essl., *Neofuscelia verruculifera* f. *pernites* (Lettau) S.Y. Kondr., *Neofuscelia verruculifera* f. *verruculifera* (Nyl.) Essl., *Neofuscelia verruculifera* var. *glomellifera* (Nyl.) S.Y. Kondr., *Neofuscelia verruculifera* var. *verruculifera* (Nyl.) Essl., *Parmelia glomellifera* (Nyl.) Nyl., *Parmelia glomellifera* f. *dissecta* (Hilzter) Hillmann, *Parmelia glomellifera* f. *glomellifera* (Nyl.) Nyl., *Parmelia glomellifera* f. *lignicola* Szatala, *Parmelia glomellifera* f. *pruinosa* Anders, *Parmelia glomellifera* var. *balatonica* Gyeln., *Parmelia glomellifera* var. *glomellifera* (Nyl.) Nyl., *Parmelia glomellifera* var. *grisea* Anders, *Parmelia isidiotyla* f. *glomellifera* (Nyl.) Erichsen, *Parmelia isidiotyla* var. *glomellifera* (Nyl.) Maas Geest., *Parmelia loxodes* var. *verruculifera* (Nyl.) Clauzade & Cl. Roux, *Parmelia prolixa* var. *glomellifera* Nyl., *Parmelia verruculifera* Nyl., *Parmelia verruculifera* f. *fuscisorediosa* Gyeln., *Parmelia verruculifera* f. *irregularata* Gyeln., *Parmelia verruculifera* f. *laxa* Gyeln., *Parmelia verruculifera* f. *pernites* Lettau, *Parmelia verruculifera* f. *pruinosa* Hilzter, *Parmelia verruculifera* f. *subdispersa* (Mereschk.) Hillmann, *Parmelia verruculifera* f. *verruculifera* Nyl., *Parmelia verruculifera* var. *conspurcata* (Schaer.) Hillmann, *Parmelia verruculifera* var. *leucocheila* (A. Massal.) Hillmann, *Parmelia verruculifera* var. *verruculifera* Nyl.]

Rarity Ranking: G4, S unranked (S5?), L2



Thallus foliose, adnate to ratherly loosely adnate, appressed throughout, to 11 cm diam., lobes short and rounded, 1-2 mm broad, olive-brown to reddish brown. Apothecia rare, to 3.5 mm diam. Substrate: rocks, rarely on wood or bark.

VENTURA CO.: Conejo Mountains, N side of hills 4 miles N of Newbury Park on Ventura Blvd (W. Weber S1739 COLO); Santa Monica Mountains, on Conejo Volcanics on slope above SR23 near Lake Eleanor Dam in Conejo Open

Space at 34.13667°N by 118.85194°W at 296 m (K. Knudsen et al. 10712 UCR), near summit of Sandstone Peak at 291 m (K. Knudsen 8478 UCR), Party Rock above Carlisle Canyon at 674 m (K. Knudsen 4095.1 UCR).

Also known from Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, El Dorado, Glenn, Kern, Lake, Los Angeles, Madera, Marin, Mariposa, Mendocino, Nevada, Orange, Plumas, Riverside, San Benito, San Bernardino, San Diego, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, Sonoma, Sutter, Trinity, Tulare, and Tuolumne Counties. Photo by Stephen Sharnoff.

Xanthoria candelaria* = *Polycauliona candelaria

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Xanthoria elegans = *Rusavskia elegans*

Xanthoria fallax = *Xanthomendoza fallax*

Xanthoria hasseana = *Xanthomendoza hasseana*

Xanthoria oregana = *Xanthomendoza oregana*

***Xanthoria parietina* (L.) Th. Fr. – Maritime Sunburst Lichen – Teloschitaceae**

[*Blasteniospora parietina* (L.) Trevis., *Geissodea parietina* (L.) J. St.-Hill., *Imbricaria parietina* (L.) DC., *Lecanora rutilans* (Ach.) Ach., *Lichen rutilans* Ach., *Lobaria parietina* (L.) Hoffm., *Parmelia parietina* var. *ectanea* Ach., *Parmelia parietina* var. *parietina* (L.) Ach., *Parmelia rutilans* (Ach.) Ach., *Physcia ectanea* (Ach.) Linds., *Physcia parietina* (L.) De Not., *Physcia parietina* f. *parietina* (L.) De Not., *Physcia parietina* var. *parietina* (L.) De Not., *Platysma parietinum* (L.) Frege, *Teloschistes parietinus* (Ach.) F. Wilson, *Xanthoria coomae* S.Y. Kondr. & Kärnefelt, *Xanthoria ectanea* (Ach.) Räsänen ex Filson, *Xanthoria parietina* subsp. *ectanea* (Ach.) Clauzade & Cl. Roux, *Xanthoria parietina* subsp. *parietina* (L.) Th. Fr., *Xanthoria parietina* var. *convexa* Räsänen, *Xanthoria parietina* var. *ectanea* (Ach.) J.J. Kickx, *Xanthoria polessica* S. Y. Kondr. et A. P. Yatsyna]

Rarity Ranking: G5, unranked, S unranked (S4?), L1

Thallus foliose, forming medium- to large-sized rosettes to 10 cm wide or larger colonies, tightly adnate, lobate, lobes dorsiventral, concave to flattened with slightly marginal border, 0.7-3.5 mm wide, yellow to orange, smooth, somewhat wringled. Apothecia common, laminal, stipitate to 8 mm diam., disc orange. Substrate: twigs, bark, rock.

VENTURA CO.: Hidden Valley, on *Quercus agrifolia* on Ash property at 1430 Hidden Valley Rd. at 34.14167°N by 118.91833°W at 362 m (K. Knudsen 9614 UCR).

Also known from Alameda, Calaveras, Contra Costa, Fresno, Glenn, Humboldt, Lake, Los Angeles, Marin, Mariposa, Monterey, Orange, San Diego, San Francisco, San Luis Obispo, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, Shasta, Siskiyou, Solano, and Sonoma Counties. Photo by Troy McMullin.



Xanthoria polycarpa = *Polycauliona polycarpa*

Xanthoria ramulosa = *Polycauliona polycarpa*

Xanthoria tenax = *Polycauliona tenax*

***Zyzygomyces physciacearum* (Diederich) Diederich, Millanes & Wedin – xxxxxx Lichen – Filobasidiaceae**

[*Heterocephalacria physciacearum* (Diederich) Millanes & Wedin, *Syzygospora physciacearum* Diederich]

Rarity Ranking: G unranked, S unranked (S3?), L1



Thallus waxy to gelatinous, pale pink, pale brown, reddish brown, grayish brown to almost black. Substrate: thallus and cilia of *Heterodermia*, *Physcia*, and *Physconia*.

VENTURA CO.: Anacapa Islands, West Anacapa Island on *Heterodermia namaquana* (K. Knudsen 10831 UCR) on W side of summit (T. Nash 37119 ASU).

Also known from Lake, Los Angeles, Monterey,

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Napa, San Luis Obispo, San Mateo, Santa Barbara, Santa Cruz, and Shasta Counties. Photo by Samuel Brinker.

Glossary of terms used:

Adnate – closely attached

Areolate – marked out into small usually angular spaces

Areole – small bump

Apothecia – cup-shaped or disc-shaped structures that produce spores

Ascomata – fruiting bodies of ascomycete fungi

Aspiciloid – Aspicilia-like

Bullate – covered with rounded swellings

Bysoid – filamentous, cobwebby

Cartilaginous – skeleton like, resembling cartilage

Chinky – full of chinks

Crenate – having scalloped edges

Crustose – having a thin thallus adhering closely to a substrate

Cryptolecanorine – apothecia with a reduced or indistinct thalline margin

Effuse – spreading out and flat

Endolithic – thallus growth inside rock

Endosubstratal – in or under substrate

Epilithic – on surface of rock

Epiphloedal – on the surface of bark

Epiphytic – on other plants

Erumpent – breaking through surface; ascomata and psuedoatomata that are more than $\frac{1}{2}$ to $\frac{3}{4}$ above the level of the thallus

Foliose – leaf-like, often extending in a $\pm$ circular pattern from a center of growth

Fruticose – shrub-like or hairy thallus attached to the substrate at a single point

Granulose – granular like

Immersed – embedded or sunken into the surface

Laminal – all over the thallus surface

Lecanorine – an apothecium in which the disk is surrounded by a pale thalline margin, as in the genus *Lecanora*

Lecideine – an apothecium in which the disk lacks a thalline margin, as in the genus *Lecidea*

Lepraroid – like the lichen genus *Lepraria*

Leprose – a lichen made entirely of granular soredia, lacking a cortex

Lichenicolous – a lichen that grows on another lichen

Lignified – wood stripped of bark

Lirellate – having the form of lirellae, which are linear straight, curved, branched, or flexuous apothecia

Mycelium – fungal thread or fungal root-like structure

Perithecia – a spherical or flask-shaped ascocarp that is sessile or partly immersed in the thallus

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Placodioid – a crustose lichen with an areolate center and radiating lobes on the circumference

Podetia – upright, hollow, stem-like structures bearing apothecia and sometimes conidiomata, usually associated with *Cladonia*

Pustulate – blistered, to blister

Prothallus – a fungal layer upon which an algae-containing thallus may develop, lacking photobiont; usually found between the aeroles and at the periferral margins of crustose lichens

Pruina – a powdery, frost-like or flour-like deposit on the surface

Pseudothecia – false apothecia in that they appear like apothecia but lack regenerative tissue

Rimose – having cracks or splits (usually in the thallus)

Rosulate – arranged to form a rosette

Rugose – having a rough texture; wrinkled and creased

Sessile – lacking a stem, attached directly to

Squamule – a small, flattened, scale-like structure that forms part of the thallus

Squamulose – a lichen with a thallus made of numerous small scales or lobes; intermediate in form between crustose and foliose lichens

Stipe – stem or stalk-like structure supporting a cap (or disc)

Terricolous – soil loving; grows on soil

Thallus – the body of a lichen, made up of both fungal and algal or cyanobacterial cells

Urceolate – deeply cup-shaped or urn-shaped

Verruculate – with small, cone-shaped protuberances, like small warts

Verruculose – a surface covered with tiny verrucae, or wart-like protuberances