

LECIDEA LATYPIZA Nyl. Obs. Pyr. Orient, Bull. Soc. Linne. de Norm. 2 serie VII, p. 201 (1872).

Rocks, Sidney.

Differing from *L. latypea* only in the absence of reaction with Ca Cl.

It has also been collected in California and Washington.

LECIDEA CONFLUENS forma OXYDATA Leight. Lich. Fl. G. Brit. Ed. III, p. 304 (1879).

Schistose rocks, Sidney.

Spores ellipsoid, $16-18 \times 8-9 \mu$, hymenium hyaline, hypothecium dark-brown, paraphyses distinct, compacted, tips brown, hymenial gel, with I + deep-blue.

Hypothallus little visible in our specimens.

Unreported from America previously.

LECIDEA (RHIZOCARPON) DISTINCTA Stiz. in Lich. Hyperb., p. 47
Rocks by the roadside, Sidney.

Spores colorless, 4-loc. halonate $25-29 \times 10-12 \mu$, eight, or fewer, in the ascus, hypothecium and tips of the paraphyses purplish-brown, hymenial gel, with I + blue or here and there violet.

This is one of the multifarious exhibits of the section *Rhizocarpum* of *Lecidea*. In thalline characters it is similar to many other species of the section and depends for its specific standing wholly upon the hymenial characters. Unreported previously from America.

XYLOGRAPHA HIANIS Tuck. Syn. II, p. 113 (1888).

Dead wood, Sidney.

Hymenial gelatine with I + faint blue.

Also detected in material sent by Mr. A. S. Foster from Washington.

OPEGRAPHA BETULINA Sm. Engl. Bot. t. 2281 (1811).

Young trees, Sidney.

Spores 2-4 locular, typically 4, halonate, $22-28 \times 8-10 \mu$, hypothecium brownish, paraphyses distinct, slender, not coherent, tips brown, asci oblong or inflated-clavate, hymenial gelatine with I + wine-red.

Under the synonym of *O. atrorimalis* Nyl., reported from California, but little is known of the species in America.

OPEGRAPHA VARIA forma DIAPHORA (Ach.) Nyl. Scand., p. 253 (1861).

Various rough barks, Sidney.

Occurs in Washington on both smooth and rough barks.