

Thyrea Massal.

After Poelt, Fink, and Rogers

Rev. 5/94

Thallus foliose, umbilicate, monophyllous and entire, or sinuous and incised, attached at a central point; gelatinous, ± unlayered, composed of a loose system of hyphae ramifying through the algal gelatin; ecorticate. Apothecia immersed to adnate; disk deeply concave to flat; thalloid margin thick, sometimes ± closing the disk; hypothecium hyaline to brown; paraphyses unbranched; asci clavate, unitunicate, thin walled, ?I+, 824 spored; spores spherical to ellipsoid, simple, hyaline, thin walled. Pycnidia immersed; fulcrum exobasidial; pycnospores oblong. Photobiont Xanthocapsa (Gloeocapsa according to Rogers). On (usually?) calcareous rocks or soil.

[I need more info. on the genus and species; also check to see if the species below have now been transferred to another genus].

1. Thallus monophyllous or very shortly and broadly incised, umbilicate, ca. 12 cm wide, often bluishwhite pruinose; with powdery soredia (?). Spores to 8, 611 x 69 um. On steep limestone cliffs. (Description from Poelt). T. girardi (Durieu & Mont.) Bagl. & Car.

1. Thallus ± deeply lobed, umbilicate; rosettes usually clearly separated, deeply divided, the lobes usually narrow in crosssection, but very variable in width, form and degree of division. Spores ca. 1011 x 67 um. (Description from Poelt). T. pulvinata (Schaerer) Massal. [=??? Euopsis pulvinata (Schaerer) Massal. need to see what the basionym is for that name; it's Parmelia stygia v. pulvinata for Thyrea pulvinata]

Description of T. girardi from Fink (the different substrate makes me suspicious of the identification):

Thallus small, tough, ascending to erect, widely lobed, marginally wavy to divided, ashy to blackening. Apothecia 0.050.15 mm across, immersed; disk black, deeply urceolate, nearly closed to ± open; hypothecium thin, hyaline to brownish; spores 8, shortellipsoid, 912 x 68 um. Photobiont Gloeocapsa. On trees, Alabama.

Description of T. pulvinata from Fink:

Thallus small, ascending to suberect, pulvinately lobed, marginally wavy to ± deeply lobed, grayish pruinose or black. Apothecia 0.2-0.5 mm across, immersed to adnate, borne along the margins of the lobes; disk almost closed to open, blackish to lighter; thalline margin very thin, concolorous with thallus or lighter; spores 8, shortellipsoid, 912 x 56 µm. On rocks, New England and New York, and W to Minnesota and Nevada.

T. pyrenoides (Nyl.) Fink = Paulia pyrenoides

Literature

Fink, B. 1935. Lichen Flora of the United States.

Poelt, J. 1969. Bestimmungsschlüssel europischer Flechten.

Rogers, 19___. Genera of Australian Lichens.