

Phylliscum Nyl.
(LICHINACEAE)

After Poelt, and others

Rev. 5/94

Thallus small foliose, umbilicate, the upper surface reticulately veined; homeomerous, with photobiont in cavities of the finemeshed tissue; hyphae forming a network. Apothecia laminal, pseudoangiocarpic, sunken and remaining closed, with punctiform mouths, or sessile with thick thalline exciple; disc initially closed, later open. Periphysoids present, branched and anastomosing. Paraphyses absent. Asci thinwalled, with tapering tips, 8(16)spored. Spores hyaline, simple, thinwalled, elongateellipsoid. Photobiont Chroococcus, cells large, with reddish gelatinous sheath. Pycnospores sometimes acicular. On noncalcareous stone which is sometimes wet, boreal and montane.

1. Thallus largelobed, the marginal lobes about 1 mm long. Asci acuminate, 816(22) spored; paraphyses normally absent. Thallus polyphyllous, (not divided into lobes to the center, according to ?), ca. 25(8) mm wide, (rigid, flat to slightly raised, irregularly incisedlobed, black, according to Fink); lobuli 0.30.5(0.7) mm wide, often weakly concave, somewhat imbricate. Apothecia 0.20.5 mm across (according to Fink), immersed to slightly raised as warts; discs punctiform. Spores ellipsoid to shortly fusiform (oblongellipsoid according to Fink; oval according to ?), 710 x 45 um. On acidic siliceous rocks, especially shaded sides of moist walls. New England, Minnesota, Oregon. Fink stated "In the specimens examined the algal host seen was Trentepohlia"; if this is correct (which seems unlikely since he included the species under Thyrea, which he stated contained the Xanthocapsa), his report is based on some totally different genus!. P. demangeonii (Moug. & Nestl.) Nyl.

1. Thallus smalllobed, the marginal lobes to 0.5 mm long. Asci rounded; paraphyses always present. Apothecia with projecting thalline margin; disc distinctly expanded. Spores without epispore, oval, 811.5 x 45 um. P. tenue
Henssen

Literature

Awasthi. 19 . Microlichens of India, etc.

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

Henssen, A. 19 . [Need to get more info. from this].

Poelt, 1969. Bestimmungsschlssel europischer Flechten.