

Belonia Körber ex Nyl.
(PYRENULALES: TRICHOTHELIACEAE)

After Poelt, and Purvis

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Thallus superficial and thin, or immersed; cortex absent; photobiont Trentepohlia or Trebouxia. Ascocarps apothecia, resembling perithecia but immersed in thalline warts or emergent and enclosed by pale true and thalline exciples. Hymenium exposed at surface via a pore-like opening, \pm widening at maturity, I+ blue, containig small, yellow-orange oil droplets. Hamathecium of paraphyses, thin, to 1.5 μ m wide, simple, septate, lax, not forming distinct epithecium but filling up cavity formed by ascoma walls. Asci (4-)8-spored, narrowly cylindrical, thin-walled. Spores colorless, mostly needle-shaped and 15-20-septate, rarely muriform with attenuated apices. Conidiomata unknown. No substances. On rock or moss, on \pm basic substrates. Temperate.

1. Perithecia imbedded in thalloid warts; on rocks or wood. B. russula

1. Perithecia free; on humus and moist soil. Greenland. See Thomson 1997 for description. B. incarnata Th. Fr. & Graewe ex Th. Fr.

B. russula Körber

Thallus mostly superficial, thickly granular to inconspicuous, effuse, dark reddish gray to reddish brown (pale yellowish to brownish or dark brownish, sometimes reddish, acc. to Thomson). Photobiont Trentepohlia. Apothecia mostly discrete, rarely continuous, permanently sunken in prominent thallus warts (0.25-)0.4-0.7 mm wide, spherical, dull reddish brown, the apex pale gray or pink-gray, translucent when wet; involucrellum absent; true exciple colorless in outer part, the inner part pale yellow-brown, \pm totally invested by thalline tissue. Spores 8 per ascus, (50-)75-100(-125) x 3-6 μ m, colorless, acicular, 10-20-septate transversely, sometimes faintly constricted at septa. On "circumneutral rocks" (according to Poelt; epidiorite, calcareous schists and limestones, according to Purvis), in moist habitats (shaded overhangs), rarely overgrowing mosses, scattered in montane to alpine locations. Quebec.

Literature

Poelt, J. 1969. Bestimmungsschlüssel europäischer Flechten.

Purvis, O. W. 1992. Belonia. In: Purvis, et al., Lichen Flora of Great Britain and Ireland.