

Parmentaria Fe
(PYRENULALES: PYRENULACEAE)

After Rogers, and Awasthi

Rev. 5/94

Thallus crustose, uniform, epi or endophloic, effuse or lacking, matt or glossy, olivegreen or pale yellowish brown, to scarcely differentiated from substrate, often with scattered, minute white spots (x 10 lens), not, or rarely, delimited by a thin, black marginal line, ecorticate or with an amorphous cortexlike layer consisting of bark cells compacted with numerous hyphae.

Perithecia solitary or 25 aggregated and confluent, mostly radially arranged; apices black, pale, whitish or reddish, punctiform; ostiolar canals oblique to horizontal or vertical, single or fusing in a common opening at the center of the group; naked or immersed in thalline or carbonaceous stromatic warts (the latter can also be considered as being an involucrellum, according to Awasthi, and Galloway); exciple yellowish or brownish; paraphyses persistent, slender, septate, rarely branched (anastomosing according to Awasthi, and Galloway); periphyses muchbranched and anastomosed, highly gelatinized, forming a plug with a narrow opening the length of the ostiole; asci clavate to cylindricalclavate, thickwalled, unitunicate (according to Rogers; bitunicate according to Awasthi, and Galloway), 1; spores (14)8, broadly ellipsoid to oblong, multicelledmuriform, colorless to brown (brown at maturity); walls unequally thickened resulting in lenticular or rhombic locules.

Pycnidia immersed, pyriform, divided into several chamber internally; fulcrum exobasidial; conidia colorless. Photobiont Trentepohlia, in a ± continuous subcortical layer. On bark in humid forests, mainly tropical.

= Pyrenula + Anthracothecium (at least for N. American spp., according to Egan; Harris, 1989 synonymized Parmentaria under Pyrenula; the genus differs from Pyrenula s. str. mainly by the arrangement of the perithecia and the muriform spores)

Literature

Awasthi. 19 . Microlichens of India, etc.

Galloway, D. 1985. Flora of New Zealand Lichens

Rogers, 19 . Genera of Australian Lichens.