

*Australasian Lichenology*  
 Number 86, January 2020 ISSN 1328-4401



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The vivid yellow colour of *Poeltiaria coromandelica* is caused by usnic acid. The species is the only lecideoid lichen with a *Porpidia*-type ascus structure that's known to produce usnic acid. It grows on siliceous rock at alpine elevations in New Zealand and Australia (Tasmania, Victoria and New South Wales).

1 mm 

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Figure 3. *Thelenella fernandeziana* (P.M. McCarthy 4811, CANB). Scale: 2 mm.

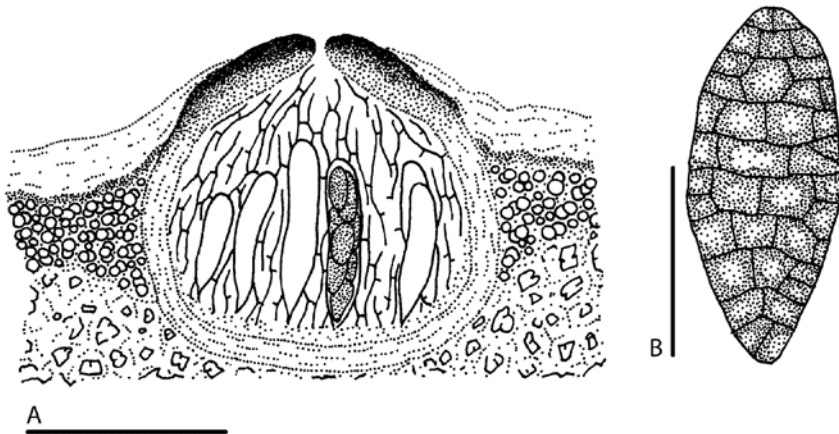


Figure 4. *Thelenella fernandeziana* (P.M. McCarthy 4811, CANB). A, Sectioned perithecium and adjacent thallus (semi-schematic); B, Mature ascospore. Scales: A = 0.2 mm; B = 20  $\mu$ m.

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