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The striking red pigments in the apothecia of species of *Haematomma* are concentrated mostly in the epihymenium above the tips of the asci. In this *Haematomma persoonii* the pigment is a tetracyclic anthraquinone called russulone. The compound has been found in the epihymenia of eight of Australia's 13 known species of the genus. *Haematomma persoonii* colonizes bark in the woodlands and forests of eastern Queensland and New South Wales in Australia. Elsewhere in the world it occurs in all of the Americas, plus several sites in Africa and the Pacific.

1 mm 

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Archer, AW; Elix, JA (2018): Validation of the recent combination *Lepra roseola*. *Australasian Lichenology* **83**, 48.

Blanchon, D (2013): Conservation status of New Zealand lichens. *Fungal Conservation* **3**, 15–19.
Boamponsem, LK; de Freitas, CR; Williams, D (2016): Source apportionment of air pollutants in the Greater Auckland Region of New Zealand using receptor models and elemental levels in the lichen, *Parmotrema reticulatum*. *Atmospheric Pollution Research* **8**: 101–113.

Duarte, AWF; Passarini, MRZ; Delforno, TP; Pellizzari, FM; Cipro, CVZ; Montone, RC; Petry, MV; Putzke, J; Rosa, LH; Sette, LD (2016): Yeasts from macroalgae and lichens that inhabit the South Shetland Islands, Antarctica. *Environmental Microbiology Reports* **8**: 874–885.

Elix, JA; Mayrhofer, H; Rodriguez, JM (2018): Two new species, a new combination and four new records of saxicolous buellioid lichens (Ascomycota, Caliciaceae) from southern South America. *Australasian Lichenology* **83**, 3–13.

Elix, JA (2018): A key to the buellioid lichens (Ascomycota, Caliciaceae) in New Zealand. *Australasian Lichenology* **83**, 26–35.

Elix, JA (2018): New combinations of *Tetramelas* (Caliciaceae, Ascomycota) and a key to the species in Antarctica. *Australasian Lichenology* **83**, 42–47.

Elvebakk, A (2018): *Pannaria pyxinooides*, comb. nov., an overlooked lichen species from northern New Zealand. *Australasian Lichenology* **83**, 36–41.

Elvebakk, A; Elix, JA (2016): A trio of endemic New Zealand lichens: *Pannaria aotearoana* and *P. gallowayi*, new species with a new chemosyndrome, and their relationship with *P. xanthomelana*. *Nova Hedwigia* 10.1127/nova_hedwigia/2016/0385.

Gunasekaran, S; Rajan, VP; Ramanathan, S; Murugaiyah, V; Samsudin, MW; Din, LB (2016): Antibacterial and antioxidant activity of lichens: *Usnea rubrotincta*, *Ramalina dumeticola*, *Cladonia verticillata* and their chemical constituents. *Malaysian Journal of Analytical Sciences* **20**, 1–13.

Mayrhofer, H; Elix, JA (2018): A new species of *Rinodina* (Physciaceae, Ascomycota) from eastern Australia. *Australasian Lichenology* **83**, 22–25.

McCarthy, PM; Elix, JA (2018): *Sclerophyton punctulatum* sp. nov. (lichenized Ascomycota, Opegraphaceae) from New South Wales, Australia. *Australasian Lichenology* **83**, 14–17.

McCarthy, JA; Elix, JA (2018): *Agonomia abscondita* sp. nov. (lichenized Ascomycota, Verrucariaceae) from New South Wales, Australia. *Australasian Lichenology* **83**, 18–21.

McCarthy, PM; Elix, JA (2018): A new species of *Enterographa* (lichenized Ascomycota, Roccellaceae) from Lord Howe Island, Australia. *Australasian Lichenology* **83**, 49–53.

McCarthy, PM; Kantvilas, G (2018): *Anisomeridium disjunctum* (Monoblastiaceae), a new lichen species from Tasmania, with a key to the genus in Australia. *Australasian Lichenology* **83**, 54–60.

Medina, MG; Avalos-Chacon, R (2015): Physiological performance of a foliose macrolichen *Umbilicaria antarctica* as affected by supplemental UV-B treatment. *Czech Polar Reports* **5**, 222–229.

Park, CH; Kim, KM; Kim, O-S; Jeong, G; Hong, SG (2016): Bacterial communities in Antarctic lichens. *Antarctic Science*: 10.1017/S0954102016000286.

Raggio, J; Green, TGA; Sancho, LG (2016): *In situ* monitoring of microclimate and metabolic activity in lichens from Antarctic extremes: a comparison between South Shetland Islands and the McMurdo Dry Valleys. *Polar Biology* **39**, 113–122.

Rogers, RW (2018): New records of three *Bactrospora* species (Roccellaceae, Ascomycota) from Queensland, Australia. *Australasian Lichenology* **83**, 36–237.

Søchting, U; Sogaard, MZ; Sancho, LG; Frøden, P; Arup, U (2016): *Sirenophila ovisatra*, a new species of maritime Teloschistaceae from the Southern Hemisphere. *Opuscula Philolichenum* **15**, 1–5.

Wu, L; Taylor, MP; Handley, HK; Gulson, BL (2016): Insights into past atmospheric lead emissions using lead concentrations and isotopic compositions in historic lichens and fungi (1852–2008) from central and southern Victoria, Australia. *Atmospheric Environment* **139**, 46–55.

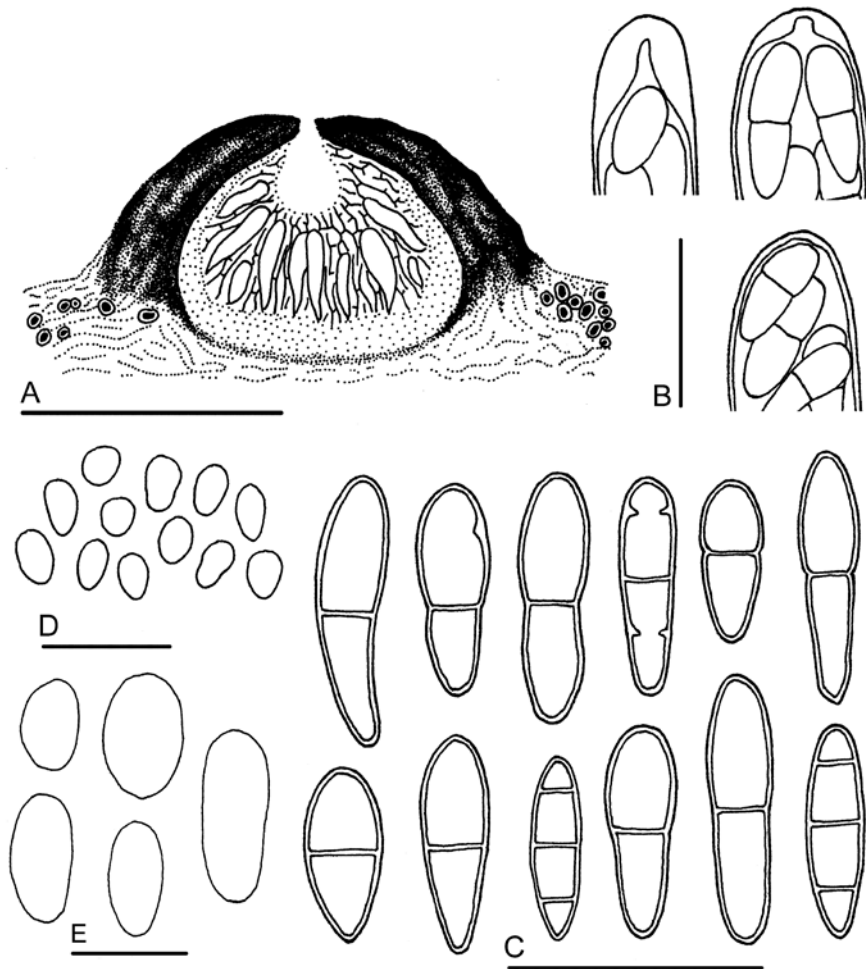


Figure 2. *Anisomeridium disjunctum* (A–D, holotype; E, HO 561068). A, Sectioned ascoma, with adjacent thallus and substratum (semi-schematic); B, Immature (upper left) and mature ascus apices; C, Mature ascospores; D, Microconidia; E, Macroconidia. Scales: A = 0.2 mm; B, C = 20 µm; D, E = 5 µm.