

Arcyria pausiaca H.W. Keller & Bub. Zurey

Date 30 May 2014. Black Sugarloaf, Birrale (thismia gully).

Habitat wet eucalypt forest. **Substrate** stag of dead fallen *Eucalyptus obliqua*. **Description** Scattered and crowded sessile to very shortly stalked sporangia. **Sporangia** globose, sandy brown, 0.2–0.7 mm diameter. **Peridium** iridescent peridium persists on some sporangia, very small calyculus. Reticulum on calyculus observed with oil immersion lens. **Hypothallus** inconspicuous **Stalk** very short, < 0.1 mm long but absent in most sporangia. **Capillitium** brown in mass, attached to base of calyculus, branching at nodes, decorated with rings, half rings and reticulate ridges and some warts, 4–5 μm wide with some thickenings. **Spores** sandy brown in mass, light brown by transmitted light, scattered warts, 10 μm .

Note on Peta McDonald's observation on iNaturalist:

"Iryna Yatsiuk assisted with identification ... molecular studies show that this is a species-rank clade related to *A. pomiformis*. Similar to *A. olivaceoglobosa*, this id is being revised at present. We are calling it *Arcyria pausiaca* for the moment."

<https://www.inaturalist.org/observations/143633238>

