

Date 12 Feb. 2012. Black Sugarloaf (Thismia Gully).

Habitat: Closed wet Eucalypt forest.

Substrate: Decaying wood. **Description:** Several small groups of gregarious stalked sporangia, 2.5 mm high after dehiscence, pink. **Sporotheca** ovate, 1.5 mm x 1 mm. **Stalk** 0.8–1 mm long, darker than calyculus. **Hypothallus** contiguous under groups, dark near stalk base, membranous, yellowish and shiny. **Peridium** fugacious except for prominent funnel to cup-shaped calyculus, 0.3 mm high x 0.5 mm diameter, red and shiny. Warts connected by fine ridges can be seen on the calyculus with oil immersion lens. **Capillitium** firmly attached to whole inner surface of calyculus and retaining its shape after dehiscence, reddish brown. Threads with rings (some spiny) and reticulations and striations between the rings, 3–4 μ m diameter. **Spores** pink in mass, colourless by transmitted light, some warts, 7 μ m. (Stained with lacto phenol cotton blue.)

Notes: Distinguished from morphologically similar *A. incarnata* by capillitial attachment to calyculus (Stephenson 2003). Capillitial decorations can include spirally arranged clubs, half rings and widely spaced warts or spines, sometimes with longitudinal stripes, often rather simple ... with smooth half rings in a circle (N.E. N-B. 1991).

