Hemitrichia calyculata (Speg.) M.L. Farr SM84 – a good fit. See also SM53 (= PDD 110426).

Substrate: dead wood

Collection site: Rimutaka Forest Park, Orongorongo Track. Nearest town, Wainuiomata.

Collection date: 15 November 2017

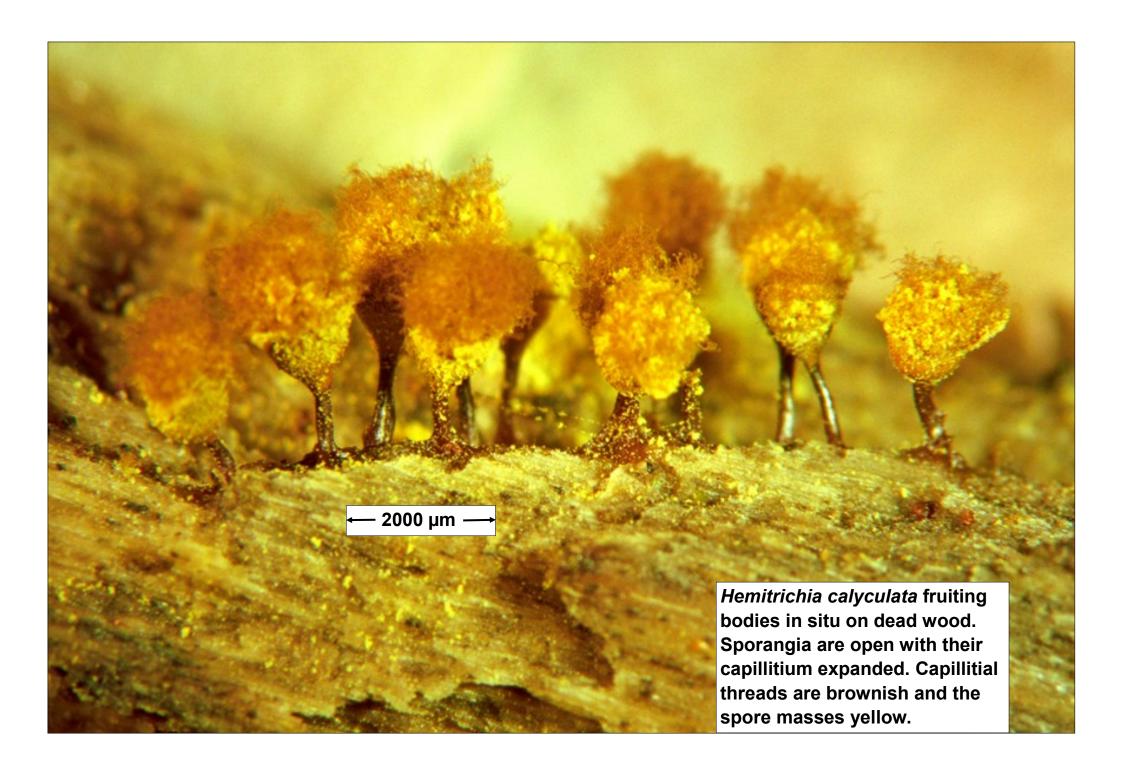
Collector: Ann Bell; **Identifier:** Dan Mahoney

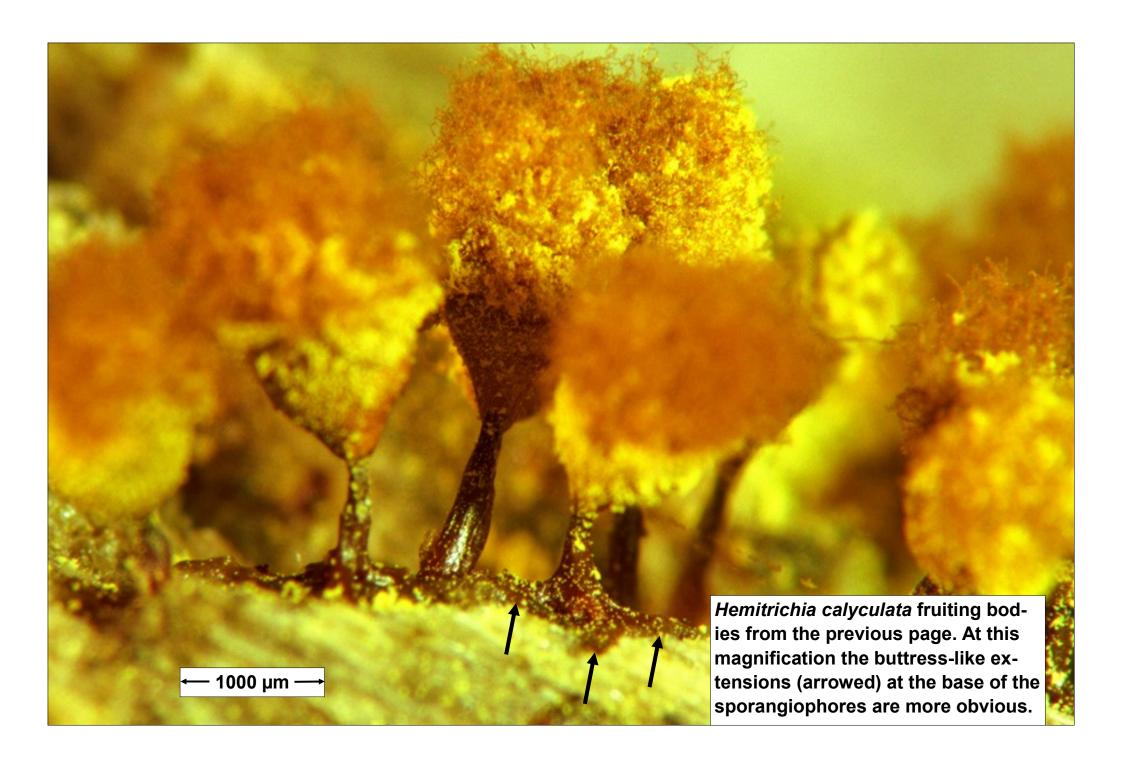
<u>Voucher materials:</u> dried herbarium material, including one Shear's mounting fluid (SMF) semi-permanent slide mount; professional Portra color film, in-situ photos from a Zeiss dissecting scope (best scanned) and digital photos of microscopic detail from an Olympus BX51 microscope & Olympus DP25 digital camera; Dan's brief comments.

<u>Dan's brief comments:</u> Matching the description and comments in Stephenson (Stephenson, S.L. 2003. The Fungi of New Zealand Volume 3: Myxomycetes of New Zealand. Fungal Diversity Research Series 11: 1-238.). This small collection was similar to another small collection from Kaitoke Regional Park north of Upper Hutt in 2007 – SM53 (= PDD 110426).

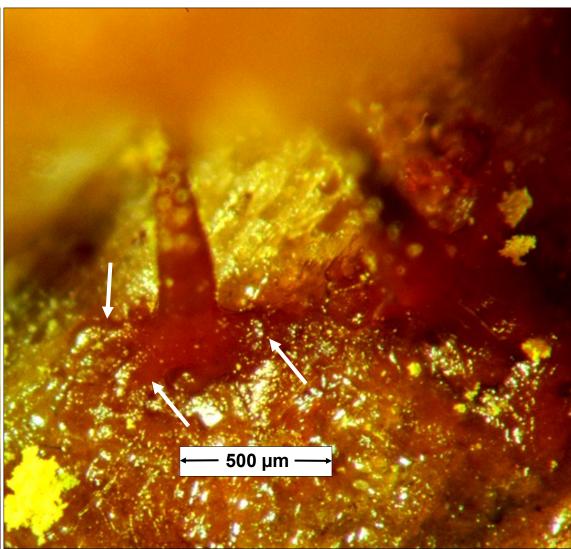
As Stephenson (2003, p. 76) points out "Hemitrichia calyculata and H. clavata are very close morphologically." "The major distinguishing feature is the stalk. In H. clavata, it is rather thick and widens gradually to form the deep trumpet-shaped base of the sporotheca. In contrast, H. calyculata has a narrow stalk that widens suddenly to form a shallow cup at the base of the sporotheca. However, intermediate forms are occasionally encountered, so this distinction is not always absolute." On p. 77, under H. clavata, he goes on to say "Virtually all of the collections from New Zealand that have been assigned to H. clavata in the past actually represent H. calyculata."











Hemitrichia calyculata fruiting bodies in situ on dead wood. Left photo: emphasis on the persistent calyculus (arrowed). Right photo: emphasis on the buttress-like extensions (arrowed) at the base of the sporangiophores - these detailed on the next page.

