

***Trichia botrytis* (J.F. Gmel.) Pers. SM83 – a good match**

Substrate: dead wood

Collection site: Rimutaka Forest Park

Collection date: 3 August 2017

Collector: Ann Bell

Identifier: Dan Mahoney

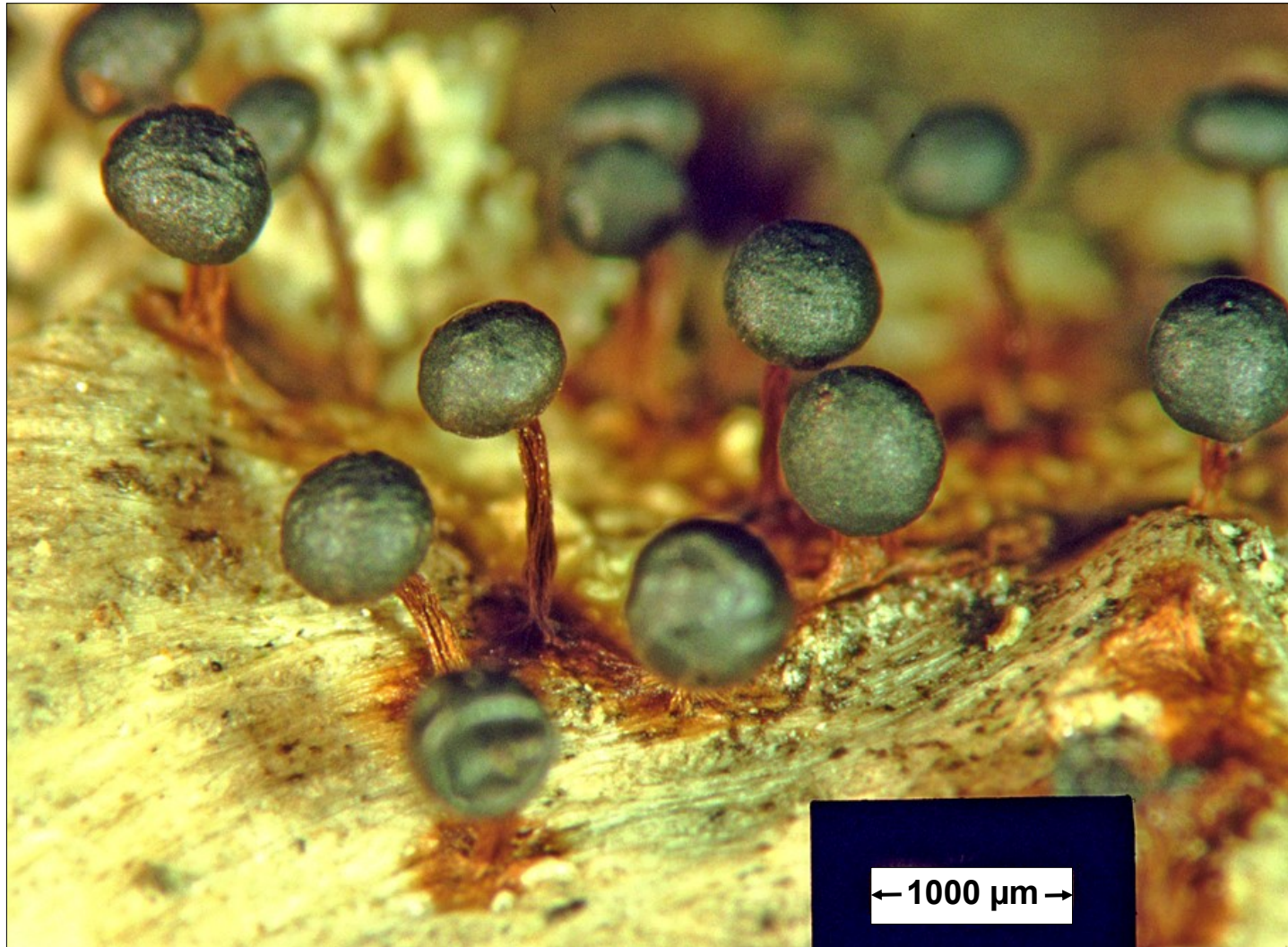
Voucher materials: dried herbarium material (SM83); 2 SMF-heated semipermanent slides; several digital photos (Olympus BX51) of squashed sporangia, elaters and spores and several scanned Portra professional 36 exposure color film photos, 160 ASA, of in situ fruiting bodies on wood.

Brief description: A small scattered fruiting of <25 simple fruiting bodies. These developed in the laboratory from the plasmodium that Ann collected in the field. They differed from those photographed for SM63 (=PDD 110436) in that the sporangia were globular rather than clavate and none had deliquesced in the lab. However, a search of Google images revealed the variety of shapes, colors, sizes and deliquesced or non-deliquesced appearances for fruiting bodies of this species. Microscopic details of the sporangiophores, sporangial peridium, capillitium and spores were characteristic of the species (as described by Stephenson, 2003, 'Myxomycetes of New Zealand').

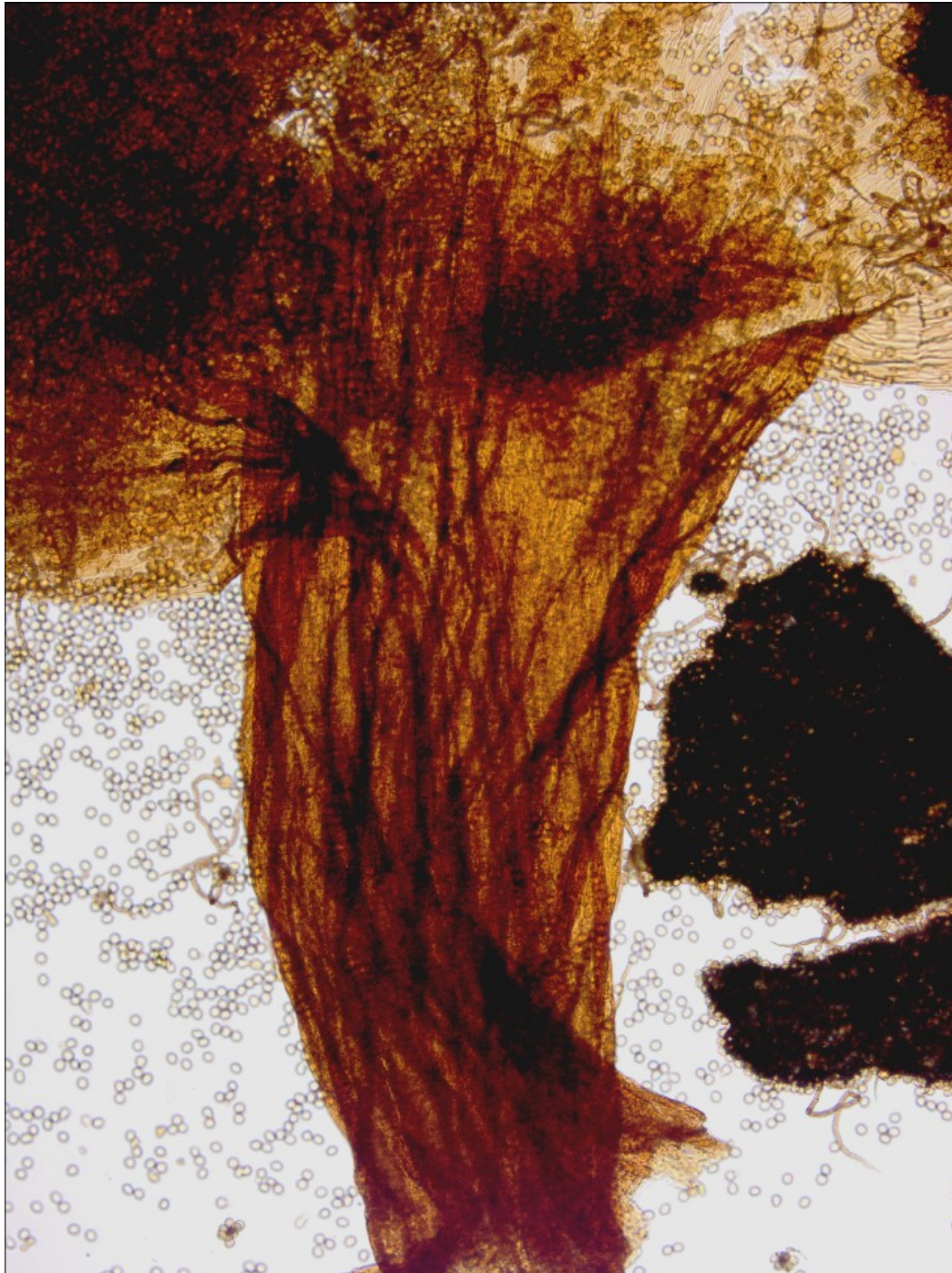


← 1250 μm →

Trichia botrytis SM83. In situ fruiting bodies on dead wood. Developed in the lab from a plasmodium collected in the field.



Trichia botrytis SM83. In situ fruiting bodies on dead wood. Developed in the lab from a plasmodium collected in the field. Left and right photos from the same field of view—emphasis on the longitudinally-ribbed, reddish-brown sporangiophores.



***Trichia botrytis* SM83,
longitudinally striate
sporangiophore. X10
objective, SMF, bright-
field.**



Trichia botrytis SM83, spirally banded elaters (5 μm mid-section width) and sporangiospores. X100 objective, SMF, brightfield. See the lower magnification of this photo on the previous page.



Trichia botrytis SM83, spirally banded elaters (5 μm mid-section width) and sporangiospores. X100 objective, SMF, brightfield. See the lower magnification of this photo on the previous page.



Trichia botrytis SM83, sporangio-
spores. 10–12 μm . X100 objective,
SMF, brightfield. Left: mid-spore fo-
cus. Right: surface focus, note the
evenly verruculose ornamentation.