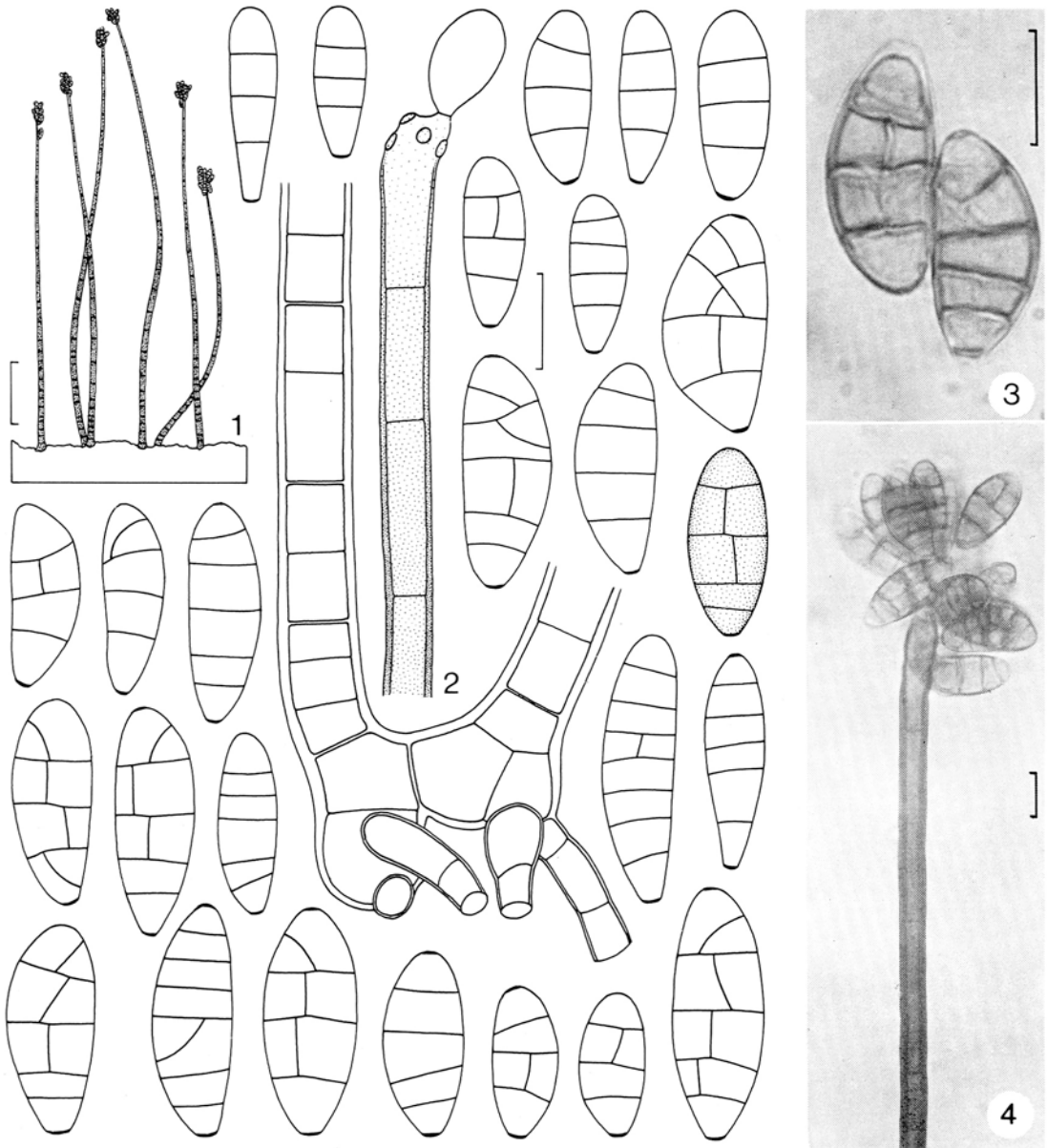


DACTYLOSPORIUM MACROPUS



Conidiophores and conidia; 1, scale = 100µm; 2-4, scale = 10µm. From DAOM 59641.

Dactylosporium macropus (Corda) Harz, Bull. Soc. imp. nat. Moscow 44: 131. 1871.

≡ *Mystrosporium macropus* Corda, Icon. fung. 3: 10. 1839.

= *Helminthosporium tingens* Cooke, Grevillea 12: 37. 1883.

≡ *Brachysporium tingens* (Cooke) Sacc., Syll. fung. 4: 427. 1886.

COLONIES effuse, black, sometimes velutinous. MYCELIUM mostly immersed, composed of

branched, septate, hyaline to pale brown hyphae 2-3.5 μ m wide. CONIDIOPHORES solitary and scattered or in groups of two or three arising from a rudimentary stroma, simple, straight or flexuous, up to 900 μ m long, 8-12 μ m wide just above the base, tapering gradually to 3.5-7 μ m wide at the apex, with the cells 16-35 μ m long above and as short as 7(-4) μ m below after secondary septation, brown to dark brown and thick-walled below and paler and thinner walled toward the apex. CONIDIOGENOUS CELLS terminal, integrated, polyblastic, sympodial, cylindrical with bluntly rounded scars after schizolytic conidium secession. CONIDIA solitary, dry, acropleurogenous, ellipsoidal to clavate, sometimes inequilateral, with a conspicuous, bluntly rounded scar at the base, smooth, transversely 3- to 7-septate usually with longitudinal and oblique septa in the larger conidia, subhyaline to brown, 17-33 \times 9-12 μ m, often with a small refringent area of wall at the apex.

SUBSTRATE: Decaying wood.

DISTRIBUTION: Alberta.

COLLECTION: On *Populus tremuloides*. Alta., Kananaskis Forest Experiment Station (1400 m), 26.VII.1957, DAOM 59641 (S.J.H.).

NOTES: The collection cited above presumably represents the first record of *Dactylosporium macropus* from North America. This species has been illustrated and redescribed from European collections by Ellis (Dematiaceous Hyphomycetes, p. 262. 1971) and by Hughes (Naturalist, Hull, 1952: 63-64. 1952).

Dactylosporium macropus is the type species of *Dactylosporium* Harz. The type collection is not among Corda's collections in Herb. PR (Pilát, Sb. nar. mus. Praze, 1B: 139-170. 1938) but Corda's illustrated account indicates the fungus redescribed above and by the authors cited. The type of the facultative synonym *Helminthosporium tingens* Cooke, which is preserved in Herb. K, has been examined (Ellis, Hughes, op. cit.).

S.J. Hughes