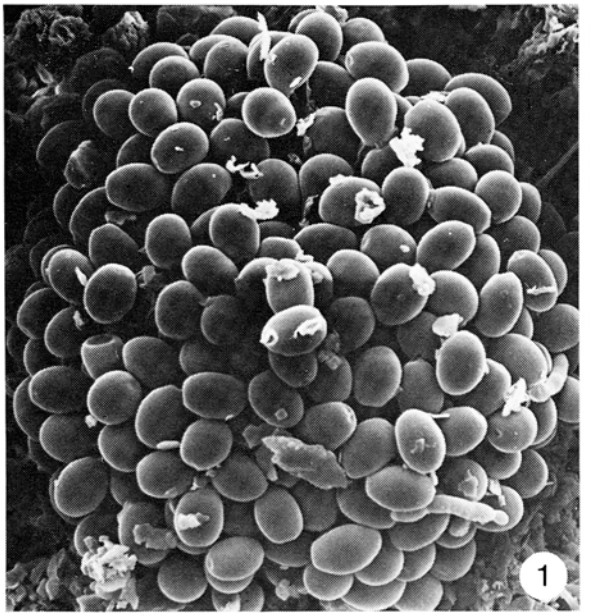
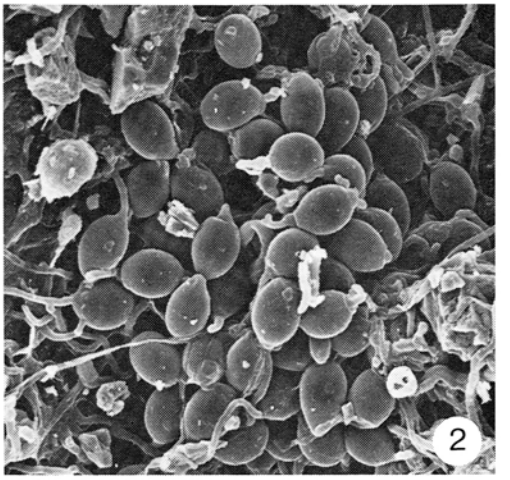
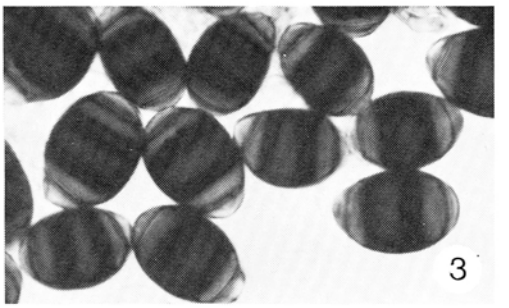
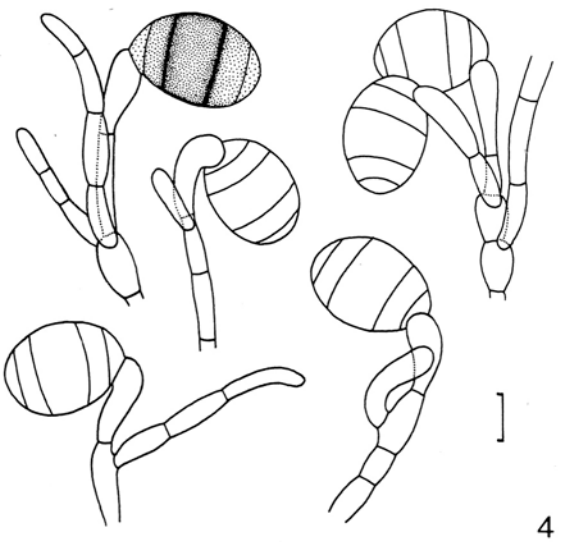
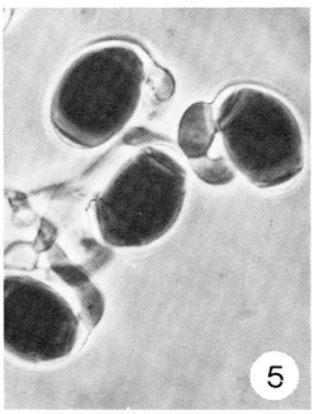
BACTRODESMIUM OBLIQUUM VAR. SUTTONII











1,2, Conidiomata, × 500 (SEM); 2, with several germinated conidia; 3-6, conidiophores and conidia. 1,2, from DAOM 173737. 3, from DAOM 173742. 4, from DAOM 139359b; 5, from DAOM 173740; 6, from DAOM 117436. 3,5,6, × 640. 4, scale = 10μm.

Bactrodesmium obliquum Sutton var. **suttonii** Hughes & White var. nov.

Ita a typo differt: conidia paulo parviora, cellulis polaribus sine septis longitudinalibus vel obliquis.

Typus in ramis corticatis *Pseudotsugae menziesii*, prope 'Mesachie Lake, Cowichan, Vancouver Island, B.C.', Canada, 13.VII.1972, DAOM 139359b(S.J.H.).

Conidiomata are similar to those of the type variety. Conidiophores vary from hyaline to brown but in most collections they are pale brown to brown. Conidia develop precisely as in the type variety but are usually slightly smaller being (18-)25-30.5(-36) × (16.2)18-23.5(-25.2)μm. The end cells of conidia do not develop longitudinal or oblique septa.

SUBSTRATE: Bark of *Pseudotsuga menziesii*, *Thuja plicata* and *Tsuga heterophylla*.

DISTRIBUTION: Quebec, British Columbia.

COLLECTIONS: *Pseudotsuga menziesii*: **P.Q.**, Loretteville, Cté Québec, 20.IX.1967, DAOM 118917 ex QFB 7026 (G. Bard); **B.C.**: Elko, 23.V.1968, DAOM 173743 ex DAVFP 18085 (N. Bauman); Mile 89 Hart Highway, McLeod, 31.VIII.1966, DAOM 173742 ex DAVFP 17906 (D. Doidge); Mile 85 Hart Highway, Tudyah Lake, McLeod Lake, 31.VIII.1966, DAOM 173737 ex DAVFP 17907 (D.D.); Fort St. James, 1.VIII.1966, DAOM 173739 ex DAVFP 17908 (A.Funk); 8 km SE of Falkland, 22.V.1973, DAOM 173736 ex DAVFP 20504 (C.B. Cottrell); Abbotsford, 2.V.1972 DAOM 138816b ex DAVFP 20195 (W.G. Ziller); Vancouver I.: Little Qualicum Falls, 26.IV.1965, DAOM 117436b (A. F.); Youbou, 9.III.1967, DAOM 173738 ex DAVFP 17909 (N.E. Alexander); Millstream Road, Langford, 2.XI.1967, DAOM 173748 ex DAVFP 19749 (A.F. & R.G. McMinn); S of Mesachie Lake, 13.VII.1972, DAOM 139359b(type), 139360c and 139347c, 28.VII.1972, DAOM 139392d, 139407d, 139390c, 139409c, 139411b, 139386c and 139388c, 10.VIII.1972, DAOM 139432d, 139437c, 139435b and 139442c, 8 km E of Lake Cowichan, 3.VIII.1972, DAOM 139422c (S.J.H.). *Thuja plicata*: **B.C.**, Port Coquitlam, 10.IV.1973, DAOM 173745 ex DAVFP 20497 (T. Gray). *Tsuga heterophylla*: **B.C.**, Vancouver I., Youbou, 24.VI.1959, DAOM 173740 ex DAVFP 11792 (E.G. Harvey).

NOTES: Sutton (Mycol. Papers 132: 15. 1973) drew attention to the occurrence on *Pseudotsuga menziesii* (= *P. taxifolia*) and *Tsuga heterophylla*, in British Columbia, of a fungus similar to *Bactrodesmium obliquum* (Fungi Canadenses No. 253) but differing in the absence of longitudinal or oblique septa in the end cells of the conidia. Sutton suggested that these collections may represent a West coast variety of *B. obliquum*. We concur.

Of interest is the occurrence of the 'West coast' var. *suttonii* on an isolated *Pseudotsuga menziesii* growing on a lawn in Quebec.

S.J. Hughes
G.P. White

National Mycological Herbarium, Biosystematics Research Institute
Research Branch, Agriculture Canada
Ottawa, Ontario, K1A 0C6

September, 1983