

Nomenclatural novelties : Alexander B. Doweld

Orphellaceae Doweld, fam.nov.

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Thalli consist of a main axis bearing one to several fertile branches, and the holdfast cell bearing several subsidiary branches. Fertile branches bearing sporulating heads consist of basal cells which support generative cells, trichospores and terminal cells; each trichospore accompanied by generative cell, terminal cell and supporting generative cell dispersal unit 4-celled). Trichospores variable in shape, lacking appendages, produced subapically from generative cell bearing apically a sterile terminal cell. In hindgut of Plecoptera nymphs.

Holotype: *Orphella* L. Léger & M. Gauthier 1932.