

Nomenclatural novelties : Alexander B. Doweld

Polycaryaceae Doweld, fam.nov.

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Thalli ab initio lack of [visible] cell walls, tended to be flattened, with a central clustering of lipid globules, then appeared rounded when walled, irregularly lobate. Sporangia thick-walled, with exit papilla, either in conjunction with protrusion of the thallus wall, or through rupture of the cell wall with the sporangial membrane emerging through the jagged opening. Zoospores posteriorly uni-flagellate, kinetosome proximal to the cone-shaped nucleus; sometimes joined together to form biflagellate "spores"TM (zoospores as isogametes?). Resting spores ornamented. Endoparasites of Cladocerans (Branchiopoda).

Holotype: *Polycaryum* Stempel 1901.