

## Zwackhiomyces

**1. Parasitic on discs of Caloplaca and on thallus of Acarospora spp.** Paraphyses absent (gelatinized). Asci I- (yellow), oblong-ellipsoid and oblique-ellipsoid, short-stalked, swollen, straight or slightly curved, acuminate at the tips, the wall there thickened, 48-56 x 14-18  $\mu\text{m}$ . Spores 8 per ascus, biserial, 2-celled, hyaline, oblong-ellipsoid, 16-20 x 3.5-4  $\mu\text{m}$ , the lower cell narrower and more acuminate than the other. Exciple 200  $\mu\text{m}$  across. Southern California; Mexico. .... Z. dispersus (syn. Pharcidia dispersa, Mycoporellum epistigmellum--description partly from Hasse)

**1. On Cladonia.** .... Z. cladoniae (Dodge) Diederich

ADD:

### Z. euplocinus

1. Ascospores 28-37 x 10-13  $\mu\text{m}$ ; on unidentified areolate thallus or without obvious host. Southern Georgia. [See Harris 1995 for full description]. .... Z. arenicola R. C. Harris

1. Ascospores 24-27 x 7.5-8.5  $\mu\text{m}$ ; without obvious host but green algae present. Louisiana. .... Z. sp. (Harris 1995)

## **Literature**

Grube, M. & J. Hafellner. 19\_

Harris, R. C. 1995. More Florida Lichens.