

## **Marchandiomyces**

After Diedrich, 1990

Colonies superficial or slightly immersed, orange to pink and red; sclerotia 50-150 um diam.; sporodochia 100-500 um diam., with cells 6-10 um diam. Conidiophores developing at the surface of the sporodochia, simple or septate, ellipsoid, claviform or subcylindrical, 15-35 x 3-9 um. Conidiogenous cells 9-11 x 4-9 um. Conidia 11-15 x 7-10 um. On various foliose lichens (e.g., Melanelia, Phaeophyscia, Physcia, and Xanthoria). ..... M. corallinus

## **Melanomma**

After Dennis

Pseudothecia gregarious, superficial, at least a maturity, black. Asci cylindrical. Asospores uniseriate or biseriate, brownish, with more than one septum.

M. oxysporum

## **Merismatium**

M. coccisporum

On Mycobilimbia or Rimularia. Manitoba; Minnesota; Utah. .... M. decolorans (Rehm ex Arnold) Triebel

## Microcalicium

After Tibell, 1978

Rev. 1/94

- 1. Apothecia with long stalks (3-14 times the diameter of the capitulum); mature spores ellipsoid, 1-septate, 5.5-8 um long.** On various lichens on rocks, or roots. ....M. arenarium
- 1. Apothecia sessile or subsessile; mature spores cylindrical, 3(-7)-septate, 9-15 um long.** On other Caliciales, sometimes directly on bark or wood of old pine trees. .... M. disseminatum (synonym M. subpedicellatum)

**Minutoexcipula Atienza & D. Hawksw.**

**M. tuckerae Atienza & D. Hawksw.**

**Miriquidica**

See Lecidea segregates

On Lecanora rupicola. .....M. intrudens

## Muellerella

After Hawksworth, 1983

VERRUCARIACEAE. Asci with more than 8 spores; spores small and non-septate (or 1-septate?)

**1. Perithecia (pseudothecia) 0.05-0.11 mm diam., usually  $\pm$  completely immersed;** ascospores brown, 5-7(-8) x 2-3(-4)  $\mu$ m, more than 64 per ascus. In apothecia of Mycobilimbia sabuletorum, Caloplaca, Fulgensia and Lecanora species and Pyxinaceous genera, almost always on calcareous rocks. Colorado. .... M. lichenicola (Sommerf.: Fr.) D. Hawksw.

**1. Perithecia (0.05-)0.15-0.2(0.4) mm diam., usually  $\pm$  superficial and immersed only at the base;** ascospores dark brown, 6-9(-12) x (2-)4-5(-6)  $\mu$ m, broadly elliptical, with one medium septum but only slightly constricted. Pseudothecia scattered, globose, black. Asci cylindric-clavate, to 95 x 23  $\mu$ m, thick-walled above, sessile; spores irregularly arranged. On Haematomma, Porpidia, Lecidea, Caloplaca, and other crustose lichen thalli, almost always on siliceous rocks. M. pygmaea. .... 2

**2. Spores 34-64 per ascus.** ..... 3

**2. Spores mostly ca. 32 per ascus,** 7.5-13 x 3.5-6  $\mu$ m. On Lecidea, Acarospora, etc. Alaska, Colorado, Arizona; British Columbia. . .... v. pygmaea

**3. Spores 6.5-9 x 4-6  $\mu$ m. Mainly on silicolous species of Rhizocarpon.** Colorado., Arizona. .... v. ventosicola (Mudd) Triebel

**3. Spores 5.5-8.5 x 2.5-5  $\mu$ m.** On Lecidea s. lato, Bellmerea, yellow Acarospora spp., Protoblastenia, Lecanora, etc. Wyoming, Colorado, Arizona, New Mexico. .... v. athallina

ADD:

M. melanostigma