

# OBCONICOPHYCUS

Schoff & Blacic 1971

Genus OBCONICOPHYCUS, n. gen.

*Type species.*—*Obconicophycus amadeus*, n. sp.

*Diagnosis.*—Trichomes multicellular, uniseriate, unbranched, not at all constricted at septa, apices markedly and gradually attenuated. Cross walls distinct, commonly granular, less than  $0.5 \mu\text{m}$  thick; sheath apparently absent. Trichomes solitary, straight, exhibiting a coarse, irregularly granular surface texture, up to  $58 \mu\text{m}$  long (incomplete trichome). Medial cells of trichome short, discoidal (commonly distorted to biconvex or concavo-convex lens shape). Medial cells commonly one-third as long as wide,  $4.0$ – $4.7 \mu\text{m}$  long and  $10.7$ – $13.4 \mu\text{m}$  wide with average dimensions (16 cells measured in 2 trichomes) of  $4.4 \mu\text{m}$  long and  $12.1 \mu\text{m}$  wide. Terminal cell bluntly pointed, subconical, not capitate, approximately  $7.0 \mu\text{m}$  wide at base and  $9.5 \mu\text{m}$  long. Reproductive structures unknown.

*Etymology.*—With reference to nearly conical apex of type species.

Division Cyanophyta  
Class Cyanophyceae  
Order Nostocales  
Family Oscillatoriaceae

