

B. Capsule not pedicellate, without neck. Spores very large, $0,1-0,2$ mm. Prothallium not persistent.

162. *Archidium*. Capsule globose; columella wanting. Calyptra rudimentary or irregularly splitting. Leaves often distant.

II. *Ephemereæ*. Stem wanting or indistinct. Leaves often nerveless, smooth or (seldom) papillose-spinulose. Capsule globose without neck, immersed. Prothallium persistent. Plants minute.

A. Leaves smooth.

163. *Ephemerum*. Capsule not or indistinctly pedicellate; columella rudimentary or complete, more or less fugacious. Calyptra campanulate or (in one species) subcucullate. Leaves often nerveless. Spores $0,02-0,08$ mm. Prothallium abundant. Dioecious.

164. *Nanomitrium*. Capsule not pedicellate, columella wanting. Calyptra campanulate-mitriform, very small. Leaves nerveless. Spores about $0,03$ mm. Prothallium not abundant. Paroecious.

B. Leaves papillose-spinulose on both sides and on the costa.

165. *Ephemeridium* (new genus). Capsule indistinctly pedicellate; columella wanting. Calyptra campanulate, somewhat large. Spores $0,02$ mm or larger. Prothallium not abundant. Dioecious.

Fam. 36. Voitiaceæ.

166. *Voitia*. Capsule oval-oblong or globose.

Fam. 37. Physcomitrellaceæ.

167. *Physcomitrella*. Capsule subglobose, irregularly splitting. Calyptra split or faintly crenulate at base, scarcely covering the point of the capsule.

168. *Aphanorhagma*. Capsule globose or oval, regularly and horizontally splitting. Calyptra lobulate, covering more than the point of the capsule.