

NANOMITRIOPSIS

Ilma G. Stone†

Nanomitriopsis Cardot, *Rev. Bryol.* 36: 18 (1909); from the Greek suffix *-opsis* (-like), in reference to the similarity in appearance to the genus *Nanomitriella* E.B.Bartram.

Type: *N. longifolia* Cardot

Synocious or paroicous. Plants gregarious, simple or with a basal branch. Protonema sparse, web-like, pale green. Leaves linear-lanceolate, acuminate; margin crenulate above, entire below; costa absent or rudimentary; laminal cells large, thin-walled, chlorophyllose, prosenchymatous, linear-rhomboidal to rectangular, shorter near apex.

Calyptra campanulate, reaching almost to the dehiscence line; vaginula cup-shaped. Setae reduced; foot subglobose. Capsules sessile, immersed, stegocarpous, globose or subglobose; stomata phaneropore, few, just below the line of dehiscence; operculum short-apiculate.

This monotypic genus occurs in Australia and Central Africa.

Nanomitriopsis resembles *Ephemerum* except for the arrangement of antheridia and the line of dehiscence in the capsule.

Reference

Stone, I.G. (1996), A revision of Ephemeraceae in Australia, *J. Bryol.* 19: 279–295.

Nanomitriopsis longifolia Cardot, *Rev. Bryol.* 36: 18 (1909)

Bruchia longifolia (Cardot) G.Roth., *Aussereur. Laubm.* 1: 121 (1911); *Sporledera longifolia* (Cardot) Broth., *Nat. Pflanzenfam.*, 2nd edn, 10: 158 (1924). T: Kisantu, Belgian Congo [Democratic Republic of Congo], 1906, *H.Vanderyst*; holotype: PC *n.v.*

Illustrations: Z.Iwatsuki, *Misc. Bryol. Lichenol.* 8: 132, fig. 3 (1980); I.G.Stone, *J. Bryol.* 19: 294, fig. 8 (1996).

Plants soft, to 1.5 mm tall, pale green. Leaves 6–10, the perichaetial leaves to 1.3 mm long; laminal cells lax, thin-walled, chlorophyllose, shorter near apex, c. 50 µm long, longer in mid-leaf, 100–150 × 15–25 µm. Spores 50–65 µm diam. (not seen in Australian specimen).

Collected once in W.A. on damp earth in arid zone with intermittent rainfall. Also in Central Africa.

W.A.: Kangaroo Pool, Napier Ra., 3 May 1988, *B.Spooner* (MEL).

Cite as: I.G.Stone, *Australian Mosses Online*. 41. *Ephemeraceae_Nanomitriopsis*.

http://www.anbg.gov.au/abrs/Mosses_online/Ephemeraceae_Nanomitriopsis.pdf (2012)