

Two new synonyms of *Metzgeria furcata* (L.) Dumort.

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Résumé – Les isotypes de *Jungermannia ciliifera* Schwein. 1821 et de *Metzgeria ciliata* Raddi 1822 sont *Metzgeria furcata* (L. 1753) Dumort. 1835. *Metzgeria myriopoda* Lindb. est le nom correct pour l'espèce néotropicale-nordaméricaine, décrite et figurée par Lindberg (1878) et Schuster (1992) sous ce nom.

Abstract – Isotypes of *Jungermannia ciliifera* Schwein. 1821 and *Metzgeria ciliata* Raddi 1822 proved to be *Metzgeria furcata* (L. 1753) Dumort. 1835. *Metzgeria myriopoda* Lindb. is the correct name of the neotropical-North American species, described and figured by Lindberg (1878) and Schuster (1992) under this name.

Jungermannia ciliifera / *Metzgeria ciliata* / *Metzgeria furcata* / *Metzgeria myriopoda*

Jungermannia ciliifera Schwein. 1821 and *Metzgeria ciliata* Raddi 1822 have been treated inconsistently in the literature (Gottsche *et al.*, 1844-1847; Schiffner, 1911; Frye & Clark, 1937; Schuster, 1992). Based on the study of newly discovered isotypes of both in W, they proved to be conspecific with the widespread *Metzgeria furcata* (L.) Dumort.

Metzgeria furcata (L.) Dumort., *Recueil Observ. Jungerm.*: 26. 1835 = *Jungermannia furcata* L., *Sp. Pl.*: 1136. 1753. – **Lectotype** (Grolle & So, 2002): [icon.] “*Lichenastrum tenuifolium, furcatum, thecis globosis pilosis*” in Dillenius, *Historia Muscorum* t. 74, f. 45 A-C, F-G (excl. D-E; see Lindberg 1878: 32, 36). 1742 “1741”. – **Epitype** (Grolle & So, 2002): OXF (Herb. Dillenius fol. 163, n. 45), isoeotype: H-SOL (ex Herb. Dillenius fol. 163, n. 45)!

= *Jungermannia ciliifera* Schwein., *Musc. Hep. Amer. Sept.*: 20. 1821 = *Metzgeria ciliifera* (Schwein.) Frye & L. Clark [(Schwein.) Lindb., *Acta Soc. Fauna Fl. Fenn.* 1(2): 24. 1878 „1877“; nom. inval.: Art. 34.1(b)], *Univ. Washington Publ. Biol.* 6: 139. 1937 (excl. description and figure by Frye & Clark loc. cit.); **syn. nov.** – **Type**: USA. North Carolina, near Salem, *leg. Schweinitz* (isotype: W (Lindenb. Hep. 8129 „*Jung. ciliifera* / mis.[it] Schweinitz” [handwritten by Lindenb.]!)

= *Metzgeria ciliata* Raddi, *Critt. Brasil.*: 17. 1822 [= *Mem. Mat. Fis. Soc. Ital. Sci. Modena* 19: 41. 1823]; **syn. nov.** – **Type**: Brazil. Estado Rio de Janeiro. „Provasi sugl' alberi nei Boschi presso Mandioca.” (isotype: W (Lindenb. Hep. 8138 „*Metzgeria ciliata* Raddi / *Jung. furcata* / ex herb. Raddiano mis.[it] Savi” [handwritten by Lindenb.] [male]!

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***Jungermannia ciliifera* Schwein. 1821** was placed with a question mark in the synonymy of *M. myriopoda* Lindb. 1878 by Lindberg (1878), apparently because he could not get original material of the former for study. Frye & Clark (1937) replaced *M. myriopoda* by *M. ciliifera* (Schwein.) Frye & L. Clark, citing a specimen from Allegheny Mts. collected in 1843 as type of the latter, as has been critically annotated already by Schuster (1992, p. 695).

Recently the author was able to check the above cited isotype of *Jungermannia ciliifera* Schwein. in W. It consists of flat thalli with exclusively solitary hairs and numerous marginal gemmae. It is certainly referable to the *ulvula* phase of the common *M. furcata*. Thus fortunately *Jungermannia ciliifera* Schwein. 1821 and *Metzgeria ciliifera* (Schwein.) Frye & L. Clark 1937 have to be placed in the synonymy of *M. furcata* (L.) Dumort. *Metzgeria myriopoda* Lindb. therefore remains the correct name of the neotropical – North American species, described and figured by Lindberg (1878) and Schuster (1992) under this name.

Based on study of an isotype of ***Metzgeria ciliata* Raddi 1822** in W (i.e. Lindenb. Hep. 8138) in the author's view a weak phase of *M. furcata* (L.) Dumort. is at hand. Such weak phases of *M. furcata* from exotic countries are usually treated as *M. decipiens* (C. Massal. 1885) Schiffn. 1890. If separation of those weak phases into a species of its own is maintained, the name *M. ciliata* Raddi 1822 would have to replace *M. decipiens*. But as pointed out by Grolle (2002), *M. decipiens* is merely a weak phase of *M. furcata* and therefore has to be placed in its synonymy.

In the past various treatments of *M. ciliata* exist. It has been placed in synonymy of *M. dichotoma* (Sw. 1788) Nees by Gottsche *et al.* (1844-1847). This has been rejected by Schiffner (1911), who recognized *M. ciliata* as quite another good species and described it in detail. His opinion is solely based on Lindenb. Hep. 8138 in W, the above cited isotype of *M. ciliata*.

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