

Nomenclatural notes on some *Micrasterias truncata* Brébisson ex Ralfs (*Desmidiaceae*, *Zygnematophyceae*) infraspecific taxa

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Here we propose to update some infraspecific names of *Micrasterias truncata* Brébisson ex Ralfs that require revision in accordance with ICN Art. 11.4 (Turland & al. 2018).

Micrasterias truncata* f. *montanica Levanets & Janse van Vuuren, *nom. nov.*

Replaced name: *Micrasterias truncata* [var. *turgida*] f. *elevata* G.W.Prescott in Prescott & al. *A synopsis of North American desmids Part II. Desmidiaceae: Placodermatae Section 2*: 200, pl. CI [101]: fig. 3, *nom. illeg.*, 1977. Priority for *Micrasterias truncata* f. *elevata* B.Eichler (1896: 130, pl. 4: fig. 39).

Registration: <http://phycobank.org/104572>

Type locality: “E palude *Carice* et *Equiseto* pleno in loco Mission Mountains, Montana dicto” [swamp with plentiful *Carex* and *Equisetum*, Mission Mountains, Montana, USA]

Micrasterias truncata* f. *hibernica Levanets & Janse van Vuuren, *nom. nov.*

Replaced name: *Micrasterias truncata* f. *punctata* West *Journal of the Linnean Society of London, Botany* 29: 135, no fig., *nom. illeg.*, 1892. Priority for *Micrasterias truncata* f. *punctata* Raciborski (1889: 663).

Registration: <http://phycobank.org/104573>

Syntype localities: “I. Near Oughterard; Nacoogarrow Lough [Co. Galway]; —II. Lough Guitane [Co. Kerry].” [Ireland]

Micrasterias truncata* var. *archangelskica Levanets & Janse van Vuuren, *nom. nov.*

Replaced name: *Micrasterias truncata* var. *crenata* Y.V.Roll, *Botanical materials of the Institute of Spore Plants of the Main Botanical Garden of RSFSR III*(8), Leningrad: 127, no fig., *nom. illeg.*, 1924. Priority for *Micrasterias truncata* var. *crenata* (Brébisson ex Ralfs) J.A.Cushman (1908: 102).

Registration: <http://phycobank.org/104574>

Type locality: “Prov. Archangelsk, lacus Murdozero.” Russia [Murmansk Region, Russian Federation].

Micrasterias truncata* var. *transvaalica Levanets & Janse van Vuuren, *nom. nov.*

Replaced name: *Micrasterias truncata* var. *minor* Claassen *Bothalia* 7: 588, pl. 17: fig. 8, *nom. illeg.*, 1961. Priority for *Micrasterias truncata* var. *minor* Wolle 1884: pl. XXXVIII [38]: fig. 8 [no description, name appears only in legend; validated by analytical figures (ICN Art. 38.7)].

Registration: <http://phycobank.org/104575>

Type locality: “Sample 74. Premier Dam. living material; leg. Dr. S. Saubert.” [Northern Transvaal, now Limpopo Province, Republic of South Africa]

Claassen, M.I. (1961). A contribution to our knowledge of the freshwater algae of the Transvaal Province. *Bothalia* 7: 559–666, 37 pls.

Cushman, J.A. (1908). A synopsis of the New England species of *Micrasterias*. *Rhodora* 10(114): 97–111, no figs.

Eichler, B. (1896). Materiały do flory wodorostów okolic Miedzyrzecza. *Pamiętnik Fizyograficzny*

14(Dzial 3): 119–136, pls 2–4.

Prescott, G.W., Croasdale, H.T. & Vinyard, W.C. (1977). *A synopsis of North American desmids Part II. Desmidiaceae: Placodermatae Section 2*. pp. [i–vii], 1–411, incl. pls LVIII–CXLVII. Lincoln & London: University of Nebraska Press.

Raciborski, M. (1889). Su alcune Desmidiacee Lituanie. *Notarisia* 4(13–16): 659–663.

Roll, Y.V. (1924). Some new and rare desmid algae. II. *Botanical materials of the Institute of Spore Plants of the Main Botanical Garden of RSFSR* III(8), Leningrad: 121–128 [in Russian: Ролл Я.В. (1923). Некоторые новые и редкие десмидиевые водоросли. II. Desmidiaceae novae nescio minus cognitae. II. Ботанические материалы Института споровых растений Главного ботанического сада РСФСР, III(8), Ленинград: 121–128].

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West, W. (1892). A contribution to the freshwater algae of west Ireland. *Journal of the Linnean Society of London, Botany* 29: 103–216.

Wolle, F. (1884). *Desmids of the United States and list of American Pediastrums with eleven hundred illustrations on fifty-three colored plates*. pp. [i]–xiv, 16–168, + 64 pls. Bethlehem, PA: Moravian Publication Office.