

Nomenclatural notes on algae. IX. Validation of various combinations for algae, fossil and extant

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While curating the entries of AlgaeBase (Guiry & Guiry 2025), it became apparent to us that some combinations for entities taxonomically accepted have been proposed without satisfying the requirements of the *International Code of Nomenclature for algae, fungi, and plants* (ICN, Madrid Code, Turland & al. 2025), or were carried out overlooking some nomenclatural issues, rendering them incorrect. These errors are briefly discussed and corrected here, with the proposal of 9 new combinations and the validation of a flagellate species.

Bourrelly (1966, 1968, 1970) proposed several names without “...a full and direct reference ... to its author and the place of valid publication...” required after 1 January 1953 (ICN Art. 41.5), rendering them invalid. While this is not an extensive list, and the monographic works of this author need a full nomenclatural assessment, these combinations provide valid, correct names for the type species of *Ampullamonas* Skvortzov, *Baranovia* Skvortzov, *Pirulus* J.W.Snow ($\equiv$ *Pirula* J.W.Snow) and *Trachycystis* Pascher.

It should be noted that we have adopted here and in AlgaeBase the spelling “Skvortzov” for Boris Vasilievich Skvortzov (1896–1980) whose publications employed several variants including “Skvortsov” and “Skvortzow” (see Williams & al. 2016).

Arachnochloris subsolitaria (Pascher) Molinari & Guiry, *comb. nov.*

Basionym: *Trachycystis subsolitaria* Pascher 1938: 492, figs 343–345.

Registration: <http://phycobank.org/105797>

Distigma repens (Skvortzov) Molinari & Guiry, *comb. nov.*

Basionym: *Ampullamonas repens* Skvortzov 1969: 235 ('repentes').

Registration: <http://phycobank.org/105798>

Note: *Ampullamonas repens* Skvortzov 1957: 174, pl. 4: fig. 24 (as 'repentes') is invalid as the genus name was invalid at this time (type not indicated). The genus name was validated in Skvortzov (1969: 235) by indication of “*Ampullamonas repentes*” as type.

Distigma rotans Molinari & Guiry, *sp. nov.*

Replaced designation: “*Ampullamonas rotante*” Skvortzov 1957: 175, pl. 4: fig. 25, *nom. inval.*

Description (Latin): Skvortzov (1957: 175)

Type: Skvortzov (1957: pl. 4: fig. 25, ICN Art. 40.5)

Type locality: “*Prope Charbin, in stagno, Manchuria borealis.*” [in a pool of standing water near Harbin, Heilongjiang Province, northern China.]

Registration (of name): <http://phycobank.org/105799>

Note: The specific adjectival epithets ‘repentes’ and ‘rotante’, respectively the plural nominative of *repens* and the ablative singular of *rotans*, are corrected to the singular nominative form, in accordance with ICN Art. 23.5. “*Ampullamonas rotante*” Skvortzov is invalid as the genus name

Ampullamonas was not valid at the time of publication and was not subsequently validated by Skvortzov.

Distigma stagnale (Skvortzov) Molinari & Guiry, *comb. nov.*

Basionym: *Baranovia stagnalis* Skvortzov 1957: 174, pl. 5: fig. 11.

Registration: <http://phycobank.org/105801>

Heterococcus gemmatus (J.W.Snow) Molinari & Guiry, *comb. nov.*

Basionym: *Pirulus gemmatus* J.W.Snow 1911: 360, pl. XVIII [18]: figs 1–8 (as *Pirula* in Snow 1912).

Registration: <http://phycobank.org/105823>

Note: Snow (1912: 347) “corrected” his original spelling of “*Pirulus*” to “*Pirula*”. Art. 60.1, while indicating that the original spelling of a name should be retained, does exclude orthographic corrections. [Index Nominum Algarum](#) notes: “Cells are pear-shaped, so the name is intended to be a diminutive. *Pirus* [= pear tree] or *pira* [vulgar Latin, pear fruit] are feminine, so the appropriate nominative ending would be “-ula”. I think that this is correctable without reference to the published correction.” The author of the note is likely to be Paul C. Silva. However, Kusber (pers. comm.) considered that *Pirulus* should be retained as *Pirus*, a pear-tree, is feminine. *Pirula* might also be a little close to *Pyrola* Linnaeus (*Ericaceae*).

Pseudochlorangium anomalum (Korshikov) Molinari & Guiry, *comb. nov.*

Basionym: *Chlorangiopsis anomala* Korshikov 1932: 583, pl. 10: figs 39–47.

Registration: <http://phycobank.org/105824>

Note: *Pseudochlorangium* was not validly published by Bourrelly (1966), as it lacked a Latin description or diagnosis (ICN Art. 44.1), the genus was validated by Hindák (1998: 388).

In previous works (Molinari Novoa 2016, Molinari Novoa & Guiry 2021), the authors reclassified some algal species in newly named genera proposed as replacements for illegitimate ones. The following species were unfortunately overlooked at the time.

Cyanoleptophycus mongolicus (A.V.Sochava) Molinari & Guiry, *comb. nov.*

Basionym: *Leptophycus mongolicus* A.V.Sochava 1977: 93, 153, pl. 6: figs 4, 5.

Registration: <http://phycobank.org/105825>

Uvulifera lecideae (Warén) Molinari & Guiry, *comb. nov.*

Basionym: *Cocobotrys lecideae* Warén 1920: 64, pl. I [1]: fig. 8, pl. II [2]: fig. 14.

Registration: <http://phycobank.org/105828>

Note: Originally described as the phycobiont of the lichen *Lecidea fuliginea* Acharius, *nom. illeg.*, currently *Placynthiella icmalea* (Acharius) Coppins & P.James (Coppins 1989). No type locality was indicated.

Mamet & Roux (1984a) proposed the genus *Poncetella* (*Bryopsidales familia incertae sedis*, cf. Pille 2008) for two Devonian calcareous algae: *Solenopora erecta* Poncet (1971) from Cotentin, northern France, and a new species, *P. veeversii*, from New South Wales, Australia. The genus is typified by the first species, a validly published one, thus satisfying Art. 40.1 of the ICN. However, no combination was proposed for *S. erecta*, which remained uncombined under *Poncetella*.

Despite its validity, the generic name *Poncetella* is a later illegitimate homonym (ICN Art. 53.1) of *Poncetella* Güvenç (1979). This was corrected by Mamet & Roux (1984b), who replaced it with



Poncetellina Mamet & A.Roux. Once again, no combinations under the new name were proposed, nor they appear to have been validated elsewhere.

Poncetellina erecta (Poncet) Molinari & Guiry, *comb. nov.*

Basionym: *Solenopora erecta* Poncet 1971: 93, pl. 2: figs 5–8.

Registration: <http://phycobank.org/105829>

Poncetellina veeversii (Mamet & A.Roux) Molinari & Guiry, *comb. nov.*

Basionym: *Poncetella veeversii* Mamet & A.Roux 1984a: 71, pl. 4: figs. 1–6 ('veeversii').

Registration: <http://phycobank.org/105830>

Note: The epithet is corrected to *veeversii* in accordance with ICN Art. 60.8.

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