

ONLINE RESOURCE 4

ADDITIONAL NOMENCLATURAL NOVELTIES

1) *Phaeopterula*

***Phaeopterula anomala* (P. Roberts) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 830999

Basionym

Pterula anomala P. Roberts, Kew Bull. 54(3): 528 (1999).

Description in Roberts (1999).

***Phaeopterula hirsuta* (Henn.) Sacc. & D. Sacc.**

MycoBank No: 469044

Basionym

Pterula hirsuta Henn., in Warburg, Monunia 1: 9 (1899) [1900]. ≡ *Dendrocladium hirsutum* (Henn.) Lloyd, Mycol. Writ. 5: 870 (1919).

Description in Corner (1950).

***Phaeopterula juruensis* (Henn.) Sacc. & D. Sacc. (Fig. 1O)**

MycoBank No: 634235

Basionym

Pterula juruensis Henn. [as '*Phaeopterula juruensis*'], Hedwigia 43(3): 175 (1904). ≡ *Dendrocladium juruense* (Henn.) Lloyd, Mycol. Writ. 5: 870 (1919).

Descriptions in Corner (1950, 1952b).

***Phaeopterula stipata* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov. (Fig. 1N)**

MycoBank No: 831000

Basionym

Pterula stipata Corner, Ann. Bot., Lond., n.s. 16: 568 (1952).

Description in Corner (1952b).

***Phaeopterula taxiformis* (Mont.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831001

Basionym

Pterula taxiformis Mont., Syll. gen. sp. crypt. (Paris): 181 (1856). ≡ *Lachnocladium taxiforme* (Mont.) Sacc., Syll. fung. (Abellini) 6: 740 (1888).

= *Pterula humilis* Speg., Revista Argent. Hist. Nat. 1(2): 110 (1891).

= *Pterula humilis* var. *tucumanensis* Speg., Anal. Mus. nac. B. Aires, Ser. 3 12: 280 (1909).

Descriptions in Corner (1950, 1952b).

***Phaeopterula taxiformis* var. *gracilis* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831002

Basionym

Pterula taxiformis var. *gracilis* Corner, Ann. Bot., Lond., n.s. 16: 568 (1952).

Description in Corner (1952b).

2) *Pterulicium*

***Pterulicium argentinum* (Speg.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831003

Basionym

Mucronella argentina Speg., Anal. Mus. nac. Hist. nat. B. Aires 6: 178 (1898) [1899]. ≡ *Deflexula argentina* (Speg.) Corner, Ann. Bot., Lond., n.s. 16: 276 (1952).

= *Deflexula lilaceobrunnea* var. *elongata* Corner, Ann. Bot., Lond., n.s. 16: 276 (1952).

Description in Corner (1952a, 1970)

***Pterulicium argentinum* var. *ramosum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831004

Basionym

Deflexula argentina (Speg.) Corner, Ann. Bot., Lond., n.s. 16: 276 (1952).

Description in Corner (1970).

***Pterulicium bambusae* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831005

Basionym

Pterula bambusae Corner, Beih. Nova Hedwigia 33: 209 (1970).

Description in Corner (1970).

***Pterulicium bromeliphilum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831006

Basionym

Pterula bromeliphila Corner, Beih. Nova Hedwigia 33: 210 (1970).

Description in Corner (1970).

***Pterulicium brunneosetosum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831007

Basionym

Pterula brunneosetosa Corner, Ann. Bot., Lond., n.s. 16: 566 (1952)

Descriptions in Corner (1952b, 1957, 1970).

***Pterulicium campoi* (Speg.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831008

Basionym

Pterula campoi Speg., Bol. Acad. nac. Cienc. Córdoba 25: 29 (1921).

Descriptions in Corner (1970) and Spegazzini (1921).

***Pterulicium caricis-pendulae* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831009

Basionym

Pterula caricis-pendulae Corner, Beih. Nova Hedwigia 33: 211 (1970).

Description in Corner (1970).

***Pterulicium crassisporum* (P. Roberts) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831010

Basionym

Pterula crassispora P. Roberts, Kew Bull. 54(3): 531 (1999).

Description in Roberts (1999).

***Pterulicium cystidiatum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831011

Basionym

Pterula cystidiata Corner, Ann. Bot., Lond., n.s. 16: 567 (1952).

Description in Corner (1952b).

***Pterulicium debile* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831012

Basionym

Pterula debilis Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 698 (1950).

Description in (Corner 1950).

***Pterulicium echo* (D.J. McLaughlin & E.G. McLaughlin) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831013

Basionym

Pterula echo D.J. McLaughlin & E.G. McLaughlin, Can. J. Bot. 58: 1328 (1980).

Description in McLaughlin and McLaughlin (1980).

***Pterulicium epiphylloides* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831014

Basionym

Pterula epiphylloides Corner, Ann. Bot., Lond., n.s. 16: 567 (1952).

Description in Corner (1952b).

***Pterulicium epiphyllum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831015

Basionym

Pterula epiphylla Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 698 (1950).

Description in (Corner 1950).

***Pterulicium fasciculare* (Bres. & Pat.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831016

Basionym

Pterula fascicularis Bres. & Pat., Mycol. Writ. 1: 50 (1901). ≡ *Deflexula fascicularis* (Bres. & Pat.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 395 (1950).

Description in Corner (1950).

***Pterulicium fluminense* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831017

Basionym

Pterula fluminensis Corner, Ann. Bot., Lond., n.s. 16: 567 (1952).

Descriptions in Corner (1952b, 1970).

***Pterulicium gordium* (Speg.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831018

Basionym

Clavaria gordius Speg., Anal. Soc. cient. argent. 17(2): 83 (1884). ≡ *Pterula gordius* (Speg.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 513 (1950).

Description in (Corner 1950).

***Pterulicium gordium* var. *macrosporum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831019

Basionym

Pterula gordius var. *macrospora* Corner, Proc. Linn. Soc. London 178: 100 (1967).

Description in Corner (1967).

***Pterulicium gracile* (Desm. & Berk.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831020

Basionym

Typhula gracilis Desm. & Berk., Ann. nat. Hist., Mag. Zool. Bot. Geol. 1: 202 (1838). ≡ *Pistillaria gracilis* (Desm. & Berk.) Pat., Tab. analyt. Fung. (Paris)(6): 30 (1886). ≡ *Hirsutella gracilis* (Desm. & Berk.) Pat., Revue mycol., Toulouse 14(no. 54): 69 (1892). ≡ *Pterula gracilis* (Desm. & Berk.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 514 (1950).
= *Clavaria aculina* Quél., C. r. Assoc. Franç. Avancem. Sci. 9: 670 (1881) [1880]. ≡ *Pistillaria aculina* (Quél.) Pat., Tab. analyt. Fung. (Paris)(6): 29 (fig. 570) (1886). ≡ *Ceratella aculina* (Quél.) Pat., Hyménomyc. Eur. (Paris): 157 (1887). ≡ *Cnazonaria aculina* (Quél.) Donk, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 9: 97 (1933).
= *Pistillaria aculina* subsp. *juncicola* Bourdot & Galzin, Hyménomyc. de France (Sceaux): 138 (1928) [1927].
= *Pistillaria aculina* subsp. *graminicola* Bourdot & Galzin, Hyménomyc. de France (Sceaux): 139 (1928) [1927].
= *Pistillaria aculina* subsp. *acicula* Bourdot & Galzin, Hyménomyc. de France (Sceaux): 139 (1928) [1927].
= *Typhula brunaudii* Quél., C. r. Assoc. Franç. Avancem. Sci. 13: 283 (1885) [1884]. ≡ *Clavaria brunaudii* (Quél.) Sacc., Syll. fung. (Abellini) 6: 730 (1888).
= *Ceratella ferryi* Quél. & Fautrey, Revue mycol., Toulouse 15(no. 57): 15 (1893). ≡ *Pistillaria ferryi* (Quél. & Fautrey) Sacc., Syll. fung. (Abellini) 11: 141 (1895). ≡ *Pistillaria ferryi* subsp. *tremula* Sacc., Syll. fung. (Abellini) 17: 202 (1905).
= *Mucronella rickii* Oudem., Ned. kruidk. Archf, 3 sér. 2(3): 667 (1902). ≡ *Cnazonaria rickii* (Oudem.) Donk, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 9: 99 (1933). ≡ *Ceratellopsis rickii* (Oudem.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 205 (1950).

Description in (Corner 1950).

***Pterulicium incarnatum* (Pat.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831021

Basionym

Pterula incarnata Pat., in Patouillard & Lagerheim, Bull. Herb. Boissier 3(1): 58 (1895)

Description in (Corner 1950, 1970)

***Pterulicium intermedium* (Dogma) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831022

Basionym

Pterula intermedia Dogma, Philipp. Agric. 49: 852 (1966)

Descriptions in (Corner 1970) and Dogma (1966)

***Pterulicium laxum* (Pat.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831023

Basionym

Pterula laxa Pat., Bull. Soc. mycol. Fr. 18(2): 175 (1902).

Description in (Corner 1950, 1970) Pat. 1902

***Pterulicium lilaceobrunneum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov. (Fig. 1K)**
MycoBank No: 831024

Basionym

Deflexula lilaceobrunnea Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 695 (1950).

Description in Corner (1952a).

***Pterulicium lilaceobrunneum* var. *evolutius* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831025

Basionym

Deflexula lilaceobrunnea var. *evolutior* Corner, Beih. Nova Hedwigia 33: 197 (1970).

Description in Corner (1970).

***Pterulicium longisporum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831026

Basionym

Pterula longispora Corner, Ann. Bot., Lond., n.s. 16: 567 (1952)

Description in (Corner 1952b).

***Pterulicium macrosporum* (Pat.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831027

Basionym

Ceratella macrospora Pat., in Patouillard & Lagerheim, Bull. Soc. mycol. Fr. 8(3): 119 (1892). ≡ *Pistillaria macrospora* (Pat.) Sacc., Syll. fung. (Abellini) 11: 142 (1895). ≡ *Pterula macrospora* (Pat.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 518 (1950).

Description in (Corner 1950, 1970). Pat 1892

***Pterulicium majus* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831028

Basionym

Deflexula major Corner, Ann. Bot., Lond., n.s. 16: 277 (1952).

Description in Corner (1952a).

***Pterulicium mangiforme* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831029

Basionym

Deflexula mangiformis Corner, Ann. Bot., Lond., n.s. 16: 278 (1952).

Description in Corner (1952a).

***Pterulicium microsporum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**
MycoBank No: 831030

Basionym

Deflexula microspora Corner, Bull. Jard. bot. État Brux. 36: 264 (1966).

Description in Corner (1966).

***Pterulicium nanum* (Pat.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831031

Basionym

Pterula nana Pat., Bull. Soc. mycol. Fr. 18(2): 175 (1902). ≡ *Deflexula nana* (Pat.) Corner, Bull. Jard. bot. État Brux. 36: 264 (1966).

= *Pterula vanderystii* Henn. [as 'vanderysti'], Ann. Mus. Congo Belge, Bot., Sér. 5 2(2): 96 (1907). ≡ *Deflexula vanderystii* (Henn.) Corner, Ann. Bot., Lond., n.s. 16: 284 (1952).

Description in Corner (1966).

***Pterulicium naviculum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831032

Basionym

Pterula navicula Corner, Ann. Bot., Lond., n.s. 16: 568 (1952).

Description in (Corner 1952b).

***Pterulicium oryzae* (Remsberg) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831033

Basionym

Pistillaria oryzae Remsberg, Mycologia 32(5): 668 (1940). ≡ *Pterula oryzae* (Remsberg) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 519 (1950).

Descriptions in (Corner 1950) and Remsberg (1940)

***Pterulicium phylloicola* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831034

Basionym

Pterula phylloicola Corner, Beih. Nova Hedwigia 33: 220 (1970).

Description in Corner (1970)

***Pterulicium phyllophilum* (McAlpine) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831035

Basionym

Clavaria phyllophila McAlpine, Agric. Gaz. N.S.W., Sydney 7: 86 (1896). ≡ *Pterula phyllophila* (McAlpine) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 520 (1950).

Description in (Corner 1950).

***Pterulicium rigidum* (Donk) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831036

Basionym

Pterula rigida Donk, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 698 (1950).

Description in Corner (1950)

***Pterulicium sclerotiiicola* (Berthier) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831037

Basionym

Pterula sclerotiiicola Berthier, Bull. trimest. Soc. mycol. Fr. 83: 731 (1968) [1967]

Description in Corner (1970)

***Pterulicium secundirameum* (Lév) Leal-Dutra, Dentinger, G.W. Griff., comb. nov. (Fig. 11)**

Mycobank No: 831038

Basionym

Clavaria secundiramea Lév., Anns Sci. Nat., Bot., sér. 3 2: 216 (1844). ≡ *Pterula secundiramea* (Lév.) Speg., Bol. Acad. nac. Cienc. Córdoba 11(4): 466 (1889). ≡ *Deflexula secundiramea* (Lév.) Corner, Beih. Nova Hedwigia 33: 199 (1970).
= *Pterula palmicola* Corner, Ann. Bot., Lond., n.s. 16: 568 (1952).

Descriptions in Corner (1950, 1952b).

Notes

The synonymisation of *Pm. palmicola* (samples M50 and M83) in *Pm. secundirameum* (samples M70 and genome5) is based on our phylogenetic results and morphological comparisons. The only morphological difference between the two species is the shape of the basidiome, however, the other characters are similar and both species are nested together within our tree (Online Resource 2).

***Pterulicium sprucei* (Mont.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov. (Fig. 1L)**

MycoBank No: 831039

Basionym

Hydnum sprucei Mont., Syll. gen. sp. crypt. (Paris): 173 (1856). ≡ *Pterula sprucei* (Mont.) Lloyd, Mycol. Writ. 5: 865 (1919). ≡ *Deflexula sprucei* (Mont.) Maas Geest., Persoonia 3(2): 179 (1964).
= *Pterula pennata* Henn., Hedwigia 43(3): 174 (1904). ≡ *Deflexula pennata* (Henn.) Corner, Ann. Bot., Lond., n.s. 16: 278 (1952).

Description in Corner (1952a) as *D. pennata*, Corner (1970) and Maas Geesteranus (1964).

***Pterulicium subsimplex* (Henn.) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831040

Basionym

Pterula subsimplex Henn., Hedwigia 36(4): 197 (1897). ≡ *Deflexula subsimplex* (Henn.) Corner, Ann. Bot., Lond., n.s. 16: 279 (1952).
= *Pterula nivea* Pat., Bull. Soc. mycol. Fr. 18(2): 174 (1902). *Deflexula nivea* (Pat.) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 398 (1950).
= *Mucronella pacifica* Kobayasi, Bot. Mag., Tokyo 53: 160 (1939). ≡ *Deflexula pacifica* (Kobayasi) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 399 (1950).

Descriptions in Corner (1952a) and Corner (1950) as *D. pacifica*.

***Pterulicium subsimplex* var. *multifidum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831041

Basionym

Deflexula subsimplex var. *multifida* Corner, Ann. Bot., Lond., n.s. 16: 282 (1952).

Description in Corner (1952a).

***Pterulicium subtyphuloides* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831042

Basionym

Pterula subtyphuloides Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 698 (1950).

Description in Corner (1950).

***Pterulicium sulcisporum* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

MycoBank No: 831043

Basionym

Deflexula sulcispora Corner, Ann. Bot., Lond., n.s. 16: 283 (1952).

Description in Corner (1952a).

***Pterulicium tenuissimum* (M.A. Curtis) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831044

Basionym

Typhula tenuissima M.A. Curtis, Am. Journ. Art. Scienc. 6: 351 (1848). ≡ *Pterula tenuissima* (M.A. Curtis) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 524 (1950).

Description in Corner (1950).

***Pterulicium ulmi* (Peck) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831045

Basionym

Mucronella ulmi Peck, Ann. Rep. Reg. N.Y. St. Mus. 54: 154 (1902) [1901]. ≡ *Deflexula ulmi* (Peck) Corner, Monograph of *Clavaria* and allied Genera, (Annals of Botany Memoirs No. 1): 400 (1950).

Description in Corner (1950, 1970).

***Pterulicium velutipes* (Corner) Leal-Dutra, Dentinger, G.W. Griff., comb. nov.**

Mycobank No: 831046

Basionym

Pterula velutipes Corner, Ann. Bot., Lond., n.s. 16: 569 (1952).

Description in Corner (1952b).