

GENERA ET SPECIES ORCHIDALIUM. 1.

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Abstract: The following new taxa of the subfamily Thelymitroideae (Orchidaceae) are described: *Jonesiopsis* Szlach., gen. nov., *Oligochaetochilus* Szlach., gen. nov., *Plumatichilos* Szlach., gen. nov., *Simpliglottis* Szlach., gen. nov., *Microstis* R. Br. subgen. *Holocrotis* Szlach., subgen. nov., *Oligochaetochilus* Szlach. subgen. *Apicuchilos* Szlach., subgen. nov., *Oligochaetochilus* subgen. *Glabrichilos* Szlach., subgen. nov., *Caladenia* R. Br. sect. *Caladeniastrum* Szlach., sect. nov., *Calochilus* R. Br. sect. *Imberborkis* Szlach., sect. nov., *Calochilus* sect. *Pulchrichilos* Szlach., sect. nov., *Genoplesium* R. Br. sect. *Plesiogenum* Szlach., sect. nov. New combinations in Cyripediaceae and Thelymitroideae are proposed: *Calonema* (Lindl.) Szlach., stat. et comb. nov., *Pentisea* (Lindl.) Szlach., stat. et comb. nov., *Phlebochilus* (Benth.) Szlach., stat. et comb. nov., *Univiscidiatus* (Kores) Szlach., stat. et comb. nov., *Corybas* Salisb. subgen. *Steleocorys* (Endl.) Szlach., stat. et comb. nov., *Cyripedium* L. subgen. *Criosanthes* (Raf.) Szlach., stat. et comb. nov., *Phragmipedium* Rolfe subgen. *Micropetalum* (Hallier) Szlach., stat. et comb. nov., *Chloraea* Lindl. sect. *Trilobatae* (Gosewijn) Szlach., stat. et comb. nov., *Corybas* sect. *Gastrosiphon* (Schlecht.) Szlach., stat. et comb. nov., *Univiscidiatus* sect. *Macropetalus* (Kores) Szlach., stat. et comb. nov., *Phragmipedium* subsect. *Lorifolia* (Kraenzl.) Szlach., stat. et comb. nov. 162 new combinations on species and 1 on variety levels are validated.

Key words: Magnoliophyta, Liliopsida, Orchidales, Cyripediaceae, Orchidaceae – Thelymitroideae, world distribution

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In completing materials to *Gynostemia Orchidali-um* and to the first volume of *Genera et Species Orchidali-um* I came to the conclusion that several groups of orchids are very heteromorphic and should be divided into smaller but monomorphic taxa. In a series of papers I (and co-workers) will present the results of investigations. In this article I propose some new genera and infrageneric taxa along with validation of several new combinations on various taxonomic levels in the family Cyripediaceae and subfamily Thelymitroideae of Orchidaceae.

1. Family CYPRIPEDIACEAE Lindl.

Nixus Pl.: 188. 1833.

1. Subtribe CYPRIPEDIINAE

1. *Cyripedium* L.

Sp. Pl., ed. 1, 2: 951. 1753.

Subgenus *Criosanthes* (Raf.) Szlach., stat. et comb. nov.

Basionym: *Criosanthes* Raf., Amer. Monthly Mag. Crit. Rev.: 268. 1818.

Synonym: *Cyripedium* sect. *Arietinum* Morren, Belg. Hort.: 1. 1851.

Leaves several, well-spaced on stem, elliptic to lanceolate. Inflorescence 1-flowered. Petals narrow, tapering. Lateral sepals free to the base, sub-linear. Lip obconical, spurred, hairy along orifice. Stammodium convex, glabrous.

2. Subtribe PHRAGMIPEDIINAE Szlach.

Folia Geobot. Phytotax. 26: 323. 1991.

2. *Phragmipedium* Rolfe

Orchid. Rev. 4: 331. 1896.

Subgenus *Micropetalum* (Hallier) Szlach., comb. et stat. nov.

Basionym: *Paphiopedilum* sect. *Micropetalum* Hallier, Jard. Bot. Buitenz. 14: 46. 1896.

Petals longer and wider than sepals, broadly

lanceolate to elliptic-ovate, widest near middle, tapering towards apex.

Subgenus *Phragmipedium*

Petals longer but narrower than sepals.

Section *Himantopetalum* (Hallier) Garay

Orchid Dig. **43**: 140. 1979.

Scape sheathed, flowers opening successively. Petals narrowly lanceolate, tapering towards apex, acute, 2–3 times longer than sepals.

Subsection *Lorifolia* (Kraenzl.) Szlach., *stat. et comb. nov.*

Basionym: *Cypripedium* sect. *Lorifolia* Kraenzl., Orchid. Gen. Sp. **1**: 13. 1897.

Lip orifice with a pair of horn-like protuberances on both sides.

2. Family ORCHIDACEAE Juss.

Gen. Pl.: 64. 1789.

1. Subfamily THELYMITROIDEAE (Lindl.) Szlach.

Fragm. Flor. Geobot. **36**(1): 35. 1991.

1. Tribe MICROTIDEAE Szlach.

Fragm. Flor. Geobot. **36**(1): 36. 1991.

1.1. Subtribe PRASOPHYLLINAE Schlecht.

Bot. Syst. Jahrb. Syst. **45**: 381. 1911.

3. *Genoplesium* R. Br.

Prodr. Fl. Nov. Holl.: 319. 1810.

Section *Genoplesium*

Lip margins glabrous or toothed, but not hairy.

Section *Plesiogenum* Szlach., *sect. nov.*

Labellum marginibus ciliatis.

TYPE: *Genoplesium citriodorum* Jones & Clements

Lip with hairy margins.

ETYMOLOGY. Anagram of *Genoplesium*.

1.2. Subtribe MICROTIDINAE (Szlach.) Szlach.

Fragm. Flor. Geobot., Suppl. **3**: 20. 1995.

4. *Microtis* R. Br.

Prodr. Fl. Nov. Holl.: 320. 1810.

Subgenus *Microtis*

Lip more or less tongue-like in outline, constricted before expanded, bilobed apex, often with wavy or crispate margins, with 2 basal and single apical calli.

Subgenus *Holocrotis* Szlach., *subgen. nov.*

Labellum integrum, ellipticum vel rotundum, incrassationibus nullis.

TYPE: *Microtis orbicularis* R. Rogers

Lip entire, unlobed, orbicular to elliptic in outline, ecallose.

ETYMOLOGY. *Holo-* (Gr.) – entire. A combination of a Greek word meaning entire and the generic name *Microtis*. An allusion to the unstricted lip.

2. Tribe THELYMITREAE Endl.

Mant. Bot. Suppl. **2**: 21. 1842.

Predominantly Australian group including four genera gathered in single subtribe.

2.1. Subtribe THELYMITRINAE Lindl.

Gen. Sp. Orchid. Pl.: 442, 518. 1840.

5. *Calochilus* R. Br.

Prodr. Fl. Nov. Holl.: 320. 1810.

Section *Imberborkis* Szlach., *sect. nov.*

Labellum glabrum vel processibus brevibus obtectum, apice elongato, acuto, angusto glabroque.

TYPE: *Calochilus imberbis* Rogers ex Pescott

Lip lacking any hairs or covered with short, spiky calli. Apical part of lip acuminate or short apiculate, naked.

ETYMOLOGY. In reference to the type species of the section.

Section *Calochilus*

Basal part of lip covered with long, filiform calli, apical part of lip elongated into a prominent naked tail.

Section *Pulchrichilos* Szlach., *sect. nov.*

Labellum basi processibus filiformibus obtectum, apice glabro ecaudatoque.

TYPE: *Calochilus caeruleus* Williams

Basal part of lip covered by long filiform calli, apical part of lip glabrous, not developed into a tail.

ETYMOLOGY. *Pulchri* – (Lat.) – beautiful; – *chilus* (Gr.) – lipped. A Latin equivalent of the name *Calochilus*.

6. *Macdonaldia* Lindl. *emend.* Szlach.

Edward's Bot. Reg. App. 1: 50. 1839.

Macdonaldia apiculata (A. S. George) Szlach., *comb. et stat. nov.*

Basionym: *Thelymitra variegata* (Lindl.) F. Muell. var. *apiculata* A. S. George, *Nuytsia* 5(1): 62. 1984.

3. Tribe *GEOBLASTEAE* Barb. Rodr.

Vellozia 1: 132. 1891.

3.1. Subtribe *CHILOGLOTTIDINAE* Szlach.

Fragm. Flor. Geobot., Suppl. 3: 23. 1995.

7. *Simpliglottis* Szlach., *gen. nov.*

Genus a subtribus Chiloglottidinae pertinens. A cognato genero Chiloglottis forma labelli recedit. Labellum sessile vel subsessile, late ovatum vel cordatum basi latissimum, callo directo non insectiformi obtectum

TYPE: *Simpliglottis valida* (Jones) Szlach. [*Chiloglottis valida* Jones].

Leaves usually dark green above, paler beneath. Inflorescence single-flowered. Petals incurved to widely spreading. Lip subsessile to sessile, broadly ovate to cordate in outline, widest near base, lip calli few, consisting of relatively uniform clubs, not producing any insectiform thickening.

Gynostemium elongate, swollen distinctly in apical half. Column part prominent, winged. Column foot obscure. Anther base near stigma apex. Anther ovoid or conical. Pollinia 4, oblong to oblong-ovate, powdery. Stamnodia wing the column very broadly. Stigma more or less pad-like, rounded, ventral. Rostellum rounded.

ETYMOLOGY. *Simplici-* (Lat.) – simple; *glottos-* (Gr.) – tongue. In reference to the presence of rather simple callus on the lip surface.

NOTE. The genus embraces 6 species occurring in Australia and New Zealand.

Simpliglottis chlorantha (Jones) Szlach., *comb. nov.*

Basionym: *Chiloglottis chlorantha* Jones, *Austral. Orchid. Res.* 2: 37. 1991.

Simpliglottis cornuta (J. D. Hook) Szlach., *comb. nov.*

Basionym: *Chiloglottis cornuta* J. D. Hook., *Fl. Antarct.* 1: 69. 1844.

Simpliglottis gunnii (Lindl.) Szlach., *comb. nov.*

Basionym: *Chiloglottis gunnii* Lindl., *Gen. Sp. Orchid. Pl.*: 387. 1840.

Simpliglottis pluricallata (Jones) Szlach., *comb. nov.*

Basionym: *Chiloglottis pluricallata* Jones, *Austral. Orchid. Res.* 2: 40. 1991.

Simpliglottis turfosa (Jones) Szlach., *comb. nov.*

Basionym: *Chiloglottis turfosa* Jones, Austral. Orchid Res. **2**: 43. 1991.

Simpliglottis valida (Jones) Szlach., *comb. nov.*

Basionym: *Chiloglottis valida* Jones, Austral. Orchid Res. **2**: 43. 1991.

3.2. Subtribe CALADENIINAE Pfitz.

Entw. Nat. Anord. Orchid.: 97. 1887.

8. ***Jonesiopsis*** Szlach., *gen. nov.*

Genus a subtribus Caladeniinae pertinens. Plantae ciliatae, inflorescentis 1–2-floribus. Flores horizontales. Elementi perianthii incrassationibus apicalibus claviformibus nullis. Ab omnibus congeneribus subtribus Caladeniinae labello integro ungui distincto superposito basi incrassatione validissimo praedito et staminodiis magnis asciformibus Pterostylidii similibus recedit.

TYPE: *Jonesiopsis multiclavia* (Reichenb. f.) Szlach. [*Caladenia multiclavia* Reichenb. f.]

Stem wiry, hairy. Leaf single, hairy on both surfaces. Inflorescence 1–2-flowered. Flowers horizontally held, *ca* 3–4 cm across. Perianth segments subsimilar with upcurved tips, lacking any apical clubs. Lip set on a prominent claw, unlobed, with massive callus near its base.

Gynostemium elongate, slender. Column part prominent, strongly curved forward in apical half. Column foot absent. Anther base near stigma apex. Anther ellipsoid-conical, immovable. Pollinia 4, attenuate basally, rounded apically, powdery. Staminodes narrowly wing the column, much expanded near stigma, forming axe-shaped projections. Stigma cup-like, elliptic or rounded. Rostellum rounded and thickened.

ETYMOLOGY. Dedicated to Dr. David L. Jones, the eminent Australian orchidologist.

NOTE. At first glance it appears to be related to *Drakonorchis*, but the close affinity between these two genera requires further study.

A monotypic genus so far known from Australia only.

Jonesiopsis multiclavia (Reichenb. f.) Szlach., *comb. nov.*

Basionym: *Caladenia multiclavia* Reichenb. f., Beitr. Syst. Pfl.: 64. 1871.

var. ***brevicuspis*** (Benth.) Szlach., *comb. nov.*

Basionym: *Caladenia multiclavia* var. *brevicuspis* Benth., Fl. Austral. **6**: 380. 1873.

9. ***Phlebochilus*** (Benth.) Szlach., *stat. & comb. nov.*

Basionym: *Caladenia* R. Br. # *Phlebochilus* Benth [rankless subdivision], Flora Austral **6**: 377. 1878.

Plants hairy. Leaf single, basal, hairy. Inflorescence usually 1-, rarely 2-flowered. Tepals linear-lanceolate, obtuse to shortly apiculate, usually widest in lower half, with or without apical clubs. Lateral sepals and petals strongly deflexed. Lip sessile, cordate, widest and slightly channelled at base, unlobed, with entire, revolute margins above. Lip calli along central nerves of lip only.

Gynostemium elongate, slender, arcuate. Column part prominent, winged. Column foot reduced. Anther base near stigma apex. Anther conical-ovoid to conical-ellipsoid, immovable. Pollinia 4, attenuate basally, rounded apically, powdery. Staminodes wing the column, slightly expanded towards apex. Stigma cup-like, elliptic or rounded. Rostellum rounded and thickened.

NOTE. This genus could be related to the one described above, from which it differs clearly in lip structure and staminodium morphology.

It includes about 20 species.

Phlebochilus bryceana (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia bryceana* Rogers, Trans. Proc. Roy. Soc. S. Austral. **54**: 46. 1930.

Phlebochilus cardiochila (Tate) Szlach., *comb. nov.*

Basionym: *Caladenia cardiochila* Tate, Trans. Proc. Roy. Soc. S. Austral. **9**: 60. 1887.

Phlebochilus cristata (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia cristata* Rogers, Trans. Proc. Roy. Soc. S. Austral. **47**: 337. 1923.

Phlebochilus tessellata (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia tessellata* Fitzg., Austral. Orchid. **1**(2): t. 3. 1876.

Phlebochilus cairnsiana (Muell.) Szlach., *comb. nov.*

Basionym: *Caladenia cairnsiana* Muell., Fragm. **7**: 31. 1869.

Phlebochilus clavigera (Cunn. ex Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia clavigera* Cunn. ex Lindl., Gen. Sp. Orchid. Pl.: 422. 1840.

Phlebochilus douthiae (Sarg.) Szlach., *comb. nov.*

Basionym: *Caladenia douthiae* Sarg., Journ. Bot. **59**: 175. 1921.

Phlebochilus integra (Coleman) Szlach., *comb. nov.*

Basionym: *Caladenia integra* Coleman, Vict. Nat. **49**: 246. 1933.

Phlebochilus leptochila (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia leptochila* Fitzg., Gard. Chron. (new ser.) **17**: 462. 1882.

Phlebochilus macrostylis (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia macrostylis* Fitzg., Gard. Chron. (new ser.) **17**: 462. 1882.

Phlebochilus ovata (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia ovata* Rogers, Trans. Roy. Soc. S. Austral. **33**: 16–17. 1909.

Phlebochilus pumila (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia pumila* Rogers, Trans. Proc. Roy. Soc. S. Austral. **46**: 152. 1922.

Phlebochilus radialis (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia radialis* Rogers, Trans. Proc. Roy. Soc. S. Austral. **51**: 296. 1927.

Phlebochilus roei (Benth.) Szlach., *comb. nov.*

Basionym: *Caladenia roei* Benth., Fl. Austral. **6**: 383. 1873.

Phlebochilus wanosa (George) Szlach., *comb. nov.*

Basionym: *Caladenia wanosa* George, Nuytsia **5**(1): 57–58. 1984.

10. *Caladenia* R. Br.

Prodr. Fl. Nov. Holl.: 323. 1810.

Caladenia, as proposed here, can be divided into two sections.

Section *Caladenia*

Lip distinctly 3-lobed.

Section *Caladeniastrum* Szlach., *sect. nov.*

Segmenti perianthiorum inferiori latissimi. Labellum integrum vel haud profunde trilobatum, oblongo-ovatum, margine incrassationibus claviformibus praeditum.

TYPE: *Caladenia flava* R. Br.

Perianth segments widest in lower half. Lip unlobed or very obscurely 3-lobed, oblong-ovate, with clubbed marginal calli.

ETYMOLOGY. *Astra* (Gr.) – star. In reference to the flower form.

11. *Calonema* (Lindl.) Szlach., *stat. & comb. nov.*

Basionym: *Caladenia* # *Calonema* Lindl. [rankless subdivision] in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Tuberoids single. Stem hairy. Leaf single, basal, hairy. Inflorescence usually single-, rarely

few-flowered. Flowers usually large, over 3 cm across. Apices of sepals clubbed, covered by glandular hairs. Petals usually smaller than sepals. Lip 3-lobed with glandular, toothed or fringed margins with variously developed callus on lamina.

Gynostemium elongate, slender, more or less arched. Column part prominent, winged. Column foot absent. Anther base near stigma apex. Anther conical, ovoid to ellipsoid-conical, immovable. Pollinia 4, attenuate basally, rounded apically, powdery. Staminodes wing the column. Stigma cup-like, elliptic or rounded. Rostellum truncate. Apical part of rostellum forms a viscidium.

NOTE. Although related to *Caladenia*, it differs from the latter in having distinctly clubbed apices of lateral sepals, and sometimes dorsal sepal and petals.

A genus of more than 70 species, known from Australia and New Zealand.

Calonema aerochila (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia aerochila* Jones, Austral. Orchid Res. **2**: 13. 1991.

Calonema aestiva (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia aestiva* Jones, Austral. Orchid Res. **2**: 14. 1991.

Calonema arenaria (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia arenaria* Fitzg., Austral. Orchid Res. **1**(7). t. 8. 1882.

Calonema argocalla (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia argocalla* Jones, Austral. Orchid Res. **2**: 15. 1991.

Calonema audasii (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia audasii* Rogers, Trans. Proc. Roy. Soc. S. Austral. **51**: 295. 1927.

Calonema beagleholei (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia beagleholei* Jones, Austral. Orchid. Res. **2**: 16. 1991.

Calonema bicallata (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia bicallata* Rogers, Trans. Proc. Roy. Soc. S. Austral. **33**: 17. 1909.

Calonema brumalis (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia brumalis* Jones, Austral. Orchid Res. **2**: 17. 1991.

Calonema caesarea (Domin) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia filamentosa* R. Br. var. *caesarea* Domin, J. Proc. Linn. Soc., Bot. **41**: 251. 1912.

Calonema calcicola (G. W. Carr) Szlach., *comb. nov.*

Basionym: *Caladenia calcicola* G. W. Carr, Muelleria **6**(3): 185. 1986.

Calonema caudata (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia caudata* Nicholls, Vict. Nat. **64**: 231. 1948.

Calonema clavula (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia clavula* Jones, Austral. Orchid Res. **2**: 18. 1991.

Calonema colorata (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia colorata* Jones, Austral. Orchid Res. **2**: 21. 1991.

Calonema concinna (Rupp) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia dilatata* R. Br. var. *concinna* Rupp, Proc. Linn. Soc. N. S. Wales **53**: 554. 1928.

Calonema concolor (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia concolor* Fitzg., Austral. Orchid. **1**(7). t. 8. 1882.

Calonema conferta (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia conferta* Jones, Austral. Orchid Res. **2**: 21. 1991.

Calonema corynephora (George) Szlach., *comb. nov.*

Basionym: *Caladenia corynephora* George, Nuytsia **1**(2): 158. 1971.

Calonema corynepetala (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia corynepetala* Jones, Austral. Orchid. Res. **2**: 22. 1991.

Calonema crebra (George) Szlach., *comb. nov.*

Basionym: *Caladenia crebra* George, Nuytsia **1**(2): 160. 1971.

Calonema demissa (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia demissa* Jones, Austral. Orchid. Res. **2**: 24. 1991.

Calonema denticulata (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia denticulata* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Calonema dilatata (R. Br.) Szlach., *comb. nov.*

Basionym: *Caladenia dilatata* R. Br., Prodr. Fl. Nov. Holl.: 325. 1810.

Calonema discoidea (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia discoidea* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Calonema dorrienii (Domin) Szlach., *comb. nov.*

Basionym: *Caladenia dorrienii* Domin, J. Proc. Linn. Soc., Bot. **41**: 251. 1912.

Calonema echidnachila (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia echidnachila* Nicholls, Papers & Proc. Roy. Soc. Tasman. **1932**: 13. 1933

Calonema eminens (Domin) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia longicauda* Lindl. var. *eminens* Domin, J. Proc. Linn. Soc., Bot. **41**: 253. 1912.

Calonema ensata (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia ensata* Nicholls, Vict. Nat. **64**: 138. 1947.

Calonema falcata (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia dilatata* R. Br. var. *falcata* Nicholls, Vict. Nat. **65**: 268. 1949.

Calonema ferruginea (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia ferruginea* Nicholls, Vict. Nat. **64**: 136. 1947.

Calonema filamentosa (R. Br.) Szlach., *comb. nov.*

Basionym: *Caladenia filamentosa* R. Br., Prodr. Fl. Nov. Holl.: 324. 1810.

Calonema filifera (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia filifera* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Calonema fitzgeraldii (Rupp) Szlach., *comb. nov.*

Basionym: *Caladenia fitzgeraldii* Rupp, Vict. Nat. **58**: 199. 1942, *in obs.* & Austral. Orchid. Rev. **7**: 64. 1942, *cum descr. lat.*

Calonema flaccida (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia flaccida* Jones, Austral. Orchid. Res. **2**: 24. 1991.

Calonema floribunda (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia floribunda* Jones, Austral. Orchid. Res. **2**: 25. 1991.

Calonema fragrantissima (Jones & Carr) Szlach., *comb. nov.*

Basionym: *Caladenia fragrantissima* Jones & Carr *in* Clements, Austral. Orchid. Res. **1**: 24. 1989.

Calonema gladiolata (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia gladiolata* Rogers, Trans. Proc. Roy. Soc. S. Austral. **31**: 210. 1907.

Calonema graminifolia (George) Szlach., *comb. nov.*

Basionym: *Caladenia graminifolia* George, Nuytsia 1(2): 162. 1971.

Calonema haemantha (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia haemantha* Jones, Austral. Orchid. Res. 2: 26. 1991.

Calonema hastata (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia patersonii* R. Br. var. *hastata* Nicholls, Vict. Nat. 58: 115–116. 1941.

Calonema hirta (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia hirta* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Calonema huegelii (Reichenb. f.) Szlach., *comb. nov.*

Basionym: *Caladenia huegelii* Reichenb. f., Beitr. Syst. Pfl.: 66. 1871.

Calonema infundibularis (George) Szlach., *comb. nov.*

Basionym: *Caladenia infundibularis* George, Nuytsia 5(1): 55–56. 1984.

Calonema leptoclavia (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia leptoclavia* Jones, Austral. Orchid Res. 2: 27. 1991.

Calonema lindleyana (Reichenb. f.) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia patersonii* R. Br. var. *lindleyana* Reichenb. f., Beitr. Syst. Pfl.: 66. 1871.

Calonema lobata (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia lobata* Fitzg., Gard. Chron. (new ser.) 17: 461. 1882.

Calonema longicauda (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia longicauda* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Calonema longiclavata (Coleman) Szlach., *comb. nov.*

Basionym: *Caladenia longiclavata* Coleman, Vict. Nat. 46: 196. 1930.

Calonema macroclavia (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia macroclavia* Jones, Austral. Orchid Res. 2: 28. 1991.

Calonema magniclavata (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia magniclavata* Nicholls, Vict. Nat. 64: 135. 1947.

Calonema magnifica (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia patersonii* R. Br. var. *magnifica* Nicholls, Vict. Nat. 52: 167. 1936.

Calonema necrophylla (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia necrophylla* Jones, Austral. Orchid Res. 2: 29. 1991.

Calonema pallida (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia pallida* Lindl. Gen. Sp. Orchid. Pl.: 421. 1840.

Calonema patersonii (R. Br.) Szlach., *comb. nov.*

Basionym: *Caladenia patersonii* R. Br., Prodr. Fl. Nov. Holl.: 324. 1810.

Calonema pectinata (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia pectinata* Rogers, Trans. Proc. Roy. Soc. S. Austral. 47: 341. 1920.

Calonema phaeoclavia (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia phaeoclavia* Jones, Austral. Orchid Res. **2**: 29. 1991.

Calonema plicata (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia plicata* Fitzg., Gard. Chron. (new ser.) **17**: 461. 1882.

Calonema radiata (Nicholls) Szlach., *comb. nov.*

Basionym: *Caladenia radiata* Nicholls, Vict. Nat. **65**: 267. 1949.

Calonema reticulata (Fitzg.) Szlach., *comb. nov.*

Basionym: *Caladenia reticulata* Fitzg., Gard. Chron. (new ser.) **17**: 462. 1882.

Calonema rhomboidiformis (Coleman) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia dilatata* R. Br. var. *rhomboidiformis* Coleman, Vict. Nat. **46**: 197. 1930.

Calonema richardsiorum (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia richardsiorum* Jones, Austral. Orchid Res. **2**: 31. 1991.

Calonema rigens (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia rigens* Jones, Austral. Orchid Res. **2**: 32. 1991.

Calonema rigida (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia rigida* Rogers, Trans. Proc. Roy. Soc. S. Austral. **54**: 45. 1930.

Calonema septuosa (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia septuosa* Jones, Austral. Orchid Res. **2**: 33. 1991.

Calonema sigmoidea (Rogers) Szlach., *comb. nov.*

Basionym: *Caladenia sigmoidea* Rogers, Trans. Proc. Roy. Soc. S. Austral. **62**: 12. 1938.

Calonema stellata (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia stellata* Jones, Austral. Orchid. Res. **2**: 33. 1991.

Calonema stricta (Bates) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia dilatata* R. Br. var. *stricta* Bates, Orchadian **8**(12): 247. 1987.

Calonema tentaculata (Schldl.) Szlach., *comb. nov.*

Basionym: *Caladenia tentaculata* Schldl., Linnaea **20**: 571. 1847.

Calonema toxochila (Tate) Szlach., *comb. nov.*

Basionym: *Caladenia toxochila* Tate, Trans. Proc. Roy. Soc. S. Austral. **12**: 129. 1889

Calonema uliginosa (George) Szlach., *comb. nov.*

Basionym: *Caladenia uliginosa* George, Nuytsia **5**(1): 56. 1984.

Calonema valida (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Caladenia reticulata* Fitzg. var. *valida* Nicholls, Vict. Nat. **59**: 189. 1943.

Calonema woolcockiorum (Jones) Szlach., *comb. nov.*

Basionym: *Caladenia woolcockiorum* Jones, Austral. Orchid. Res. **2**: 35. 1991.

12. *Pentisea* (Lindl.) Szlach., *stat. & comb. nov.*

Basionym: *Caladenia* R. Br. # *Pentisea* Lindl. [rankless subdivision] in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

LECTOTYPE (designed here): *Pentisea gemmata* (Lindl.) Szlach. [*Caladenia gemmata* Lindl.]

Tuberoles single, ellipsoid or ovoid, small, with multi-layered covering sheath over them. Leaf single, basal, hairy. Flowers medium-sized, usually under 5 cm across, usually blue, widely opened. Sepals and petals subequal to equal, flat or moderately deflexed, usually widest near middle or above, blunt or obtuse, neither thick-

ened nor glandular at apices. Lip unlobed or obscurely 3-lobed. Apical margins of lateral lobes usually with club-like glandulae.

Gynostemium elongate, rather slender. Column part prominent, winged. Column foot absent. Anther base near stigma apex. Anther ellipsoid-conical, immovable. Pollinia 4, attenuate basally, rounded apically, powdery. Stamnodes expanded slightly below stigma and form prominent wings. Stigma cup-like, elliptic or rounded. Rostellum rounded and thickened.

NOTE. This genus has been treated so far as a section of *Caladenia*. Hopper & Brown (1998), however, proposed the name *Cyanicula* for about 10 species having, among other features, blue flowers. Lindley (1839) first separated 2 species of *Caladenia* – *C. gemmata* and *C. ixiooides* to the section *Pentisea*. As this name has priority, the name *Cyanicula* should be treated as a synonym of *Pentisea*.

Pentisea includes about 10 species, known mostly from SW Australia.

Pentisea amplexans (George) Szlach., *comb. nov.*

Basionym: *Caladenia amplexans* George, Nuytsia **5**(1): 53. 1984.

Pentisea caerulea (R. Br.) Szlach., *comb. nov.*

Basionym: *Caladenia caerulea* R. Br., Prodr. Fl. Nov. Holl.: 324. 1810.

Pentisea deformis (R. Br.) Szlach., *comb. nov.*

Basionym: *Caladenia deformis* R. Br., Prodr. Fl. Nov. Holl.: 324. 1810.

Pentisea gemmata (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia gemmata* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Pentisea gertrudeae (Ostenf.) Szlach., *comb. nov.*

Basionym: *Caladenia gertrudeae* Ostenf., Dansk. Vidensk. Selsk. Biol. Medd. **3**(2): 43. 1921.

Pentisea ixiooides (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia ixiooides* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

Pentisea sericea (Lindl.) Szlach., *comb. nov.*

Basionym: *Caladenia sericea* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 52. 1840.

3.3. Subtribe *CHLORAEINAE* Reichenb. f.

Bot. Zeit. **11**: 1. 1853.

13. *Chloraea* Lindl.

Brand. Quart. J. Roy. Inst. NS **1**: 47. 1827.

Section *Trilobatae* (Gosewijn) Szlach., *comb. nov.*

Basionym: *Bipinnula* sect. *Trilobatae* Gosewijn, Gayana Bot. **50**(1): 13. 1993.

Inflorescence 2–10-flowered. Apex of lateral sepals short pectinate. Lip prominently 3-lobed, with papillate disc.

Chloraea apinnula (Gosewijn) Szlach., *comb. nov.*

Basionym: *Bipinnula apinnula* Gosewijn, Gayana Bot. **50**(1): 12. 1993.

3.4. Subtribe *ACIANTHINAE* Schlecht.

Bot. Syst. Jahrb.: **45**: 381. 1911.

14. *Univiscidiatus* (Kores) Szlach., *stat. & comb. nov.*

Basionym: *Acianthus* R. Br. subgen. *Univiscidiatus* Kores, Allertonia **7**(3): 148. 1995.

Tuberooids single, ovoid to ellipsoid. Leaf sessile, near middle of stem, blade variable in shape, subentire to weakly or strongly 3–7-lobed. Flowers ascending, usually fully opened. Dorsal sepal 1- (rarely 3-) nerved. Petals reduced or expanded. Lip entire or 3-lobed apically, adorned with 1 or 2 basal calli.

Gynostemium usually elongate, strongly arched at apex, sometimes short, relatively stout and suberect. Column part much longer than anther.

Column foot lacking. Anther ovoid, bent back, stiffly attached to column apex. Pollinia subentire to weakly lobed: ovate, obovate to suborbicular. Stamines greatly reduced, forming only narrow wings near stigma. Stigma confluent, elliptic to oval, concave. Rostellum bluntly triangular, shelf-like. Viscidium single.

NOTE. This genus is closely related to *Acianthus*, from which it differs mainly in pollinium structure. In *Univiscidiatus* they are subentire, ovate to suborbicular, attached to a single viscidium, whereas in *Acianthus* pollinia they are more or less bilobed and attached to double viscidia. Additionally both genera are distinguishable by the number of nerves on the dorsal sepal – in *Univiscidiatus* there is usually a single nerve, occasionally 3, in *Acianthus* 3 or 5.

Univiscidiatus consists of 14 species, of which 13 are endemic to New Caledonia and Ile de Pins; a single one occurs on the E coast of Australia.

Section *Univiscidiatus*

Petals shorter than sepals. Lip entire with 2 basal calli, hardly or not channelled. Gynostemium short.

Univiscidiatus macroglossus (Schlecht.) Szlach., *comb. nov.*

Basionym: *Acianthus macroglossus* Schlecht., Bot. Jahrb. Syst. **39**: 40. 1906.

Univiscidiatus confusus (Guillaum.) Szlach., *comb. nov.*

Basionym: *Acianthus confusus* Guillaum., Bull. Soc. Bot. France **69**: 508. 1922.

Univiscidiatus aegeridantennatus (Halle) Szlach., *comb. nov.*

Basionym: *Acianthus aegeridantennatus* Halle, Fl. Nouv. Caled. Depend. **8**: 434. 1978.

Univiscidiatus heptadactylus (Kraenzl.) Szlach., *comb. nov.*

Basionym: *Acianthus heptadactylus* Kraenzl., Notul. Syst. (Paris) **4**: 132. 1928.

Univiscidiatus amplexicaulis (Bailey) Szlach., *comb. nov.*

Basionym: *Microstylis amplexicaulis* Bailey, Bot. Bull. Dept. Agric. (Queensland) **3**: 18. 1891.

Univiscidiatus elegans (Reichenb. f.) Szlach., *comb. nov.*

Basionym: *Acianthus elegans* Reichenb. f., Linnaea **41**: 56. 1877.

Univiscidiatus veillonis (Halle) Szlach., *comb. nov.*

Basionym: *Acianthus veillonis* Halle, Fl. Nouv. Caled. Depend. **8**: 427. 1978.

Univiscidiatus oxyglossus (Schlecht.) Szlach., *comb. nov.*

Basionym: *Acianthus oxyglossus* Schlecht., Bot. Jahrb. Syst. **39**: 40. 1906.

Section *Macropetalus* (Kores) Szlach., *comb. nov.*

Basionym: *Acianthus* subgenus *Univiscidiatus* section *Macropetalus* Kores, Allertonia **7**(3): 149. 1995.

Petals much broader than sepals. Lip entire or 3-lobed, with basal single callus, or ecallose, strongly channelled. Gynostemium elongate.

Univiscidiatus halleanus (Kores) Szlach., *comb. nov.*

Basionym: *Acianthus halleanus* Kores, Allertonia **7**(3): 149. 1995

Univiscidiatus tenuilabris (Schlecht.) Szlach., *comb. nov.*

Basionym: *Acianthus tenuilabris* Schlecht., Bot. Jahrb. Syst. **39**: 42. 1906.

Univiscidiatus grandiflorus (Schlecht.) Szlach., *comb. nov.*

Basionym: *Acianthus grandiflorus* Schlecht., Bot. Jahrb. Syst. **39**: 39. 1906.

Univiscidiatus bracteatus (Rendle) Szlach., *comb. nov.*

Basionym: *Acianthus bracteatus* Rendle, J. Linn. Soc. Bot. **45**: 254. 1921.

Univiscidiatus cymbalariifolius (Muell. & Kraenzl.) Szlach., *comb. nov.*

Basionym: *Acianthus cymbalariifolius* Muell. & Kraenzl., Oesterr. Bot. Zeit. **44**: 209. 1894 (as *A. cymbalariaefolius*).

Univiscidiatus corniculatus (Rendle) Szlach., *comb. nov.*

Basionym: *Acianthus corniculatus* Rendle, J. Linn. Soc. Bot. **45**: 255. 1921.

3.5. Subtribe *CORYBASINAE* Schlecht.

Repert. Sp. Nov. Regni Veg. **19**: 19. 1923.

A monotypic subtribe with species known from Australasia.

15. *Corybas* Salisb.

Parad. London, t. 83. 1807.

Subgenus *Corybas*

Lip at base with 2 spurs, without opening at base of latter.

Section *Gastrosiphon* (Schlecht.) Szlach., *comb. nov.*

Basionym: *Corysanthes* R. Br. sect. *Gastrosiphon* Schlecht., Rep. Sp. Nov. Regni Veg., Beih. **1**: 18. 1914.

Lip ventricose in basal parts.

Section *Corybas*

Lip straight or only slightly curved in basal part, not expanded ventrocose in front.

Subgenus *Steleocorys* (Endl.) Szlach., *comb. nov.*

Basionym: *Corysanthes* R. Br. sect. *Steleocorys* Endl., Gen. Pl.: 218. 1837.

Lip at base with 2 open auricles, slits, or 2-operculate.

4. Tribe *PTEROSTYLIODEAE* (Pfitz.) van Royen Alp. Fl. New Guinea, Orchid. **2**: 88. 1979.

4.1. Subtribe *PTEROSTYLIDINAE* Pfitz.

Entw. Nat. Anord. Orchid.: 97. 1887.

16. *Plumatichilos* Szlach., *gen. nov.*

Genus a subtribus Pterostylidinae pertinens. A genero Pterostylidi labello filiformi, marginibus perpilosis, in-crassationibus carnosis nullis, sepalis lateralibus recurvatis, non parallelis ad galeam. Galea stricta, in parte mediane constricta, basi et supra constrictionem ventricosa.

TYPE: *Plumatichilos barbata* (Lindl.) Szlach. [*Pterostylis barbata* Lindl.]

Tuberoids single, rounded. Leaves gathered in basal rosette. Inflorescence usually single-flowered. Flowers medium-sized to large, usually dull-colored. Dorsal sepal and petals form an erect, hooded, often semitransparent galea which is constricted near the middle, much swollen below the constriction and slightly above it. Lateral sepals joined together at base only, forming a kind of downcurved, furculate synsepal, not parallel to the galea. Lip filiform, more or less fringed with long, coarse, usually yellow hairs, ending with a knob of varying length.

Gynostemium elongate, slender. Column part prominent. Column foot absent. Anther base distinctly above receptive surface. Anther erect to suberect, ovoid, immovable. Pollinia 4, loosely organized. Staminodes perceptible only in apical part of gynostemium, very large, conspicuous, with long hairs along apical margins. Stigma oblong, flat. Rostellum finger-like, erect, thick. Viscidium single, rather large.

ETYMOLOGY. *Plumati-* (Lat.) – feathered; *-chilus* (Gr.) – lipped. An allusion to the lip characteristic.

NOTE. The genus is related to *Pterostylis*, from which it is easily distinguishable by the form of

the galea, lateral sepals and above all the lip shape.

It embraces 4 species only, 2 of which are endemic to SW Australia; the third one occurs in SE Australia and New Zealand and the fourth – in Tasmania.

Plumatichilos barbata (Lindl.) Szlach., *comb. nov.*

Basionym: *Pterostylis barbata* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App. 53. 1840..

Plumatichilos plumosa (Cady) Szlach., *comb. nov.*

Basionym: *Pterostylis plumosa* Cady, Austral. Pl. 5(39): 138. 1969.

Plumatichilos tasmanica (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis tasmanica* Jones, Muelleria 8(2): 190–191. 1994.

Plumatichilos turfosa (Lindl.) Szlach., *comb. nov.*

Basionym: *Pterostylis turfosa* Lindl. in Lehm. Pl. Preiss. 2: 5. 1846.

17. *Oligochaetochilus* Szlach., *gen. nov.*

Genus a subtribus Pterostylidinae pertinens. A genero Pterostylidi labello ovato vel oblongo, plerumque marginibus setis diversilongam obtectis, aliquando papilloso, ciliato vel glabro. Sepali laterales basi connati, late ovati, recurvati, non paralleli ad galeam.

TYPE: *Oligochaetochilus rufa* (R. Br.) Szlach. [*Pterostylis rufa* R. Br.]

Tuberoids single, rounded. Leaves gathered in basal rosette. Inflorescence usually few- to many-flowered. Flowers small, dull-colored. Dorsal sepal and petals form a humped, hooded, often semitransparent galea. Lateral sepals joined together in lower half, forming a kind of deflexed, broadly ovate in outline synsepal, not parallel to the galea, with free acute to apiculate endings. Lip oblong or ovate in outline, often thick and fleshy, usually adorned with various kinds of hairs, sometimes ciliate, papillate or glabrous.

Gynostemium elongate, slender. Column part prominent. Column foot absent. Anther base distinctly above receptive surface. Anther erect to suberect, ovoid, immovable. Pollinia 4, loosely organized. Staminodes perceptible only in apical part of gynostemium, very large, conspicuous, with long hairs along apical margins. Stigma oblong, flat. Rostellum finger-like, erect, thick. Viscidium single, rather large.

ETYMOLOGY. *Oligo-* (Gr.) – few; *chaeto-* (Gr.) – bristle; *-chilus* (Gr.) – lipped. An allusion to the lip characteristic.

NOTE. The genus is related to *Pterostylis*, from which it is easily distinguishable by the form of the lip, which has a different shape and is devoid of penicillate basal calli, instead of which it is adorned with setae, cilia or papillae, or possibly naked. The position of the lateral sepals distinguishes these two genera as well – in *Pterostylis* they are upcurved and protruding behind the galea, whereas in the newly proposed genus they are deflexed.

The genus contains about 30 species growing mostly in Australia. Based on the lip morphology they can be grouped into three subgenera:

Subgenus *Oligochaetochilus*

Lip oblong to ovate in general outline, thick and fleshy, variously adorned on margins by long or short, fine or coarse setae.

Oligochaetochilus aciculiformis (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Pterostylis pusilla* Rogers var. *aciculiformis* Nicholls, Vict. Nat. 52: 167. 1936.

Oligochaetochilus arenicola (Clements & Stewart) Szlach., *comb. nov.*

Basionym: *Pterostylis arenicola* Clements & Stewart in Clements, Austral. Orchid Res. 1: 120. 1989.

Oligochaetochilus biseta (Blackmore & Clemesha) Szlach., *comb. nov.*

Basionym: *Pterostylls biseta* Blackmore & Clemesha, Orchadian 2: 152. 1968.

Oligochaetochilus boormanii (Rupp) Szlach., *comb. nov.*

Basionym: *Pterostylis boormanii* Rupp, Orchid. N. S. Wales: 98. 1943; & Vict. Nat. **62**: 159. 1946., *descr. ampl.*

Oligochaetochilus calceolus (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis calceolus* Clements, Austral. Orchid Res. **1**: 120. 1989.

Oligochaetochilus chaetophora (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis chaetophora* Clements & Jones in Clements, Austral. Orchid Res. **1**: 120. 1989.

Oligochaetochilus ciliata (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis ciliata* Clements & Jones in Clements, Austral. Orchid Res. **1**: 120. 1989.

Oligochaetochilus cobarensis (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis cobarensis* Clements, Austral. Orchid Res. **1**: 121. 1989.

Oligochaetochilus commutata (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis commutata* Jones, Muelleria **8**(2): 186–189. 1994.

Oligochaetochilus despectans (Nicholls) Szlach., *comb. et stat. nov.*

Basionym: *Pterostylis rufa* R. Br. var. *despectans* Nicholls, Vict. Nat. **66**: 215. 1950.

Oligochaetochilus excelsa (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis excelsa* Clements in Jessop & Toelken, Fl. S. Australia **4**: 2118. 1986.

Oligochaetochilus gibbosa (R. Br.) Szlach., *comb. nov.*

Basionym: *Pterostylis gibbosa* R. Br., Prodr. Fl. Nov. Holl.: 328. 1810.

Oligochaetochilus hamata (Blackmore & Clemesha) Szlach., *comb. nov.*

Basionym: *Pterostylis hamata* Blackmore & Clemesha, Orchadian **2**: 154. 1968.

Oligochaetochilus insectifera (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis insectifera* Clements, Austral. Orchid Res. **1**: 123. 1989.

Oligochaetochilus leptochila (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis leptochila* Clements & Jones in Clements, Austral. Orchid Res. **1**: 123. 1989.

Oligochaetochilus lingua (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis lingua* Clements, Austral. Orchid Res. **1**: 123. 1989.

Oligochaetochilus macrocalymma (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis macrocalymma* Clements & Jones in Clements, Austral. Orchid Res. **1**: 124. 1989.

Oligochaetochilus maxima (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis maxima* Clements & Jones in Clements, Austral. Orchid Res. **1**: 124. 1989.

Oligochaetochilus mitchellii (Lindl.) Szlach., *comb. nov.*

Basionym: *Pterostylis mitchellii* Lindl., J. Exp. Trop. Austral.: 365. 1848.

Oligochaetochilus ovata (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis ovata* Clements in Jessop & Toelken, Fl. S. Australia **4**: 2124. 1986.

Oligochaetochilus picta (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis picta* Clements, Austral. Orchid Res. **1**: 125. 1989.

Oligochaetochilus praetermissa (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis praetermissa* Clements & Jones in Clements, Austral. Orchid Res. **1**: 125. 1989.

Oligochaetochilus pusilla (Rogers) Szlach., *comb. nov.*

Basionym: *Pterostylis pusilla* Rogers, Trans. Proc. Roy. Soc. S. Austral. **42**: 26. 1918.

Oligochaetochilus roensis (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis roensis* Clements & Jones in Clements, Austral. Orchid Res. **1**: 126. 1989.

Oligochaetochilus rufa (R. Br.) Szlach., *comb. nov.*

Basionym: *Pterostylis rufa* R. Br., Prodr. Fl. Nov. Holl.: 327. 1810.

Oligochaetochilus setifera (Clements, Matthias & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis setifera* Clements, Matthias & Jones, Kew Bull. **40**(1): 77. 1985.

Oligochaetochilus spathulata (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis spathulata* Clements, Austral. Orchid Res. **1**: 127. 1989.

Oligochaetochilus squamata (R. Br.) Szlach., *comb. nov.*

Basionym: *Pterostylis squamata* R. Br., Prodr. Fl. Nov. Holl.: 327. 1810.

Oligochaetochilus woollsü (Fitzg.) Szlach., *comb. nov.*

Basionym: *Pterostylis woollsü* Fitzg., Austral. Orchid **1**(2): t. 8. 1876.

Oligochaetochilus xerophila (Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis xerophila* Clements in Jessop & Toelken, Fl. S. Australia **4**: 2130. 1986.

Subgenus ***Glabrichilos*** Szlach., *subgen. nov.*

Labellum glaberrimum, truncatum vel retusum, basi incrassatione directo praeditum.

TYPE: *Oligochaetochilus cycnocephala* (Fitzg.) Szlach. [*Pterostylis cycnocephala* Fitzg.]

Lip completely glabrous, truncate or shallowly notched at apex with simple thickening at base.

ETYMOLOGY. *Glaber* (Lat.) – glabrous. In reference to the glabrous lip.

Oligochaetochilus bicolor (Clements & Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis bicolor* Clements & Jones, Proc. Roy. Soc. Queensl. **98**: 126. 1987.

Oligochaetochilus cycnocephala (Fitzg.) Szlach., *comb. nov.*

Basionym: *Pterostylis cycnocephala* Fitzg., Austral. Orchid. **1**(2): t. 7. 1876.

Oligochaetochilus daintreana (Benth.) Szlach., *comb. nov.*

Basionym: *Pterostylis daintreana* Benth., Fl. Austral. **6**: 360. 1873.

Oligochaetochilus mutica (R. Br.) Szlach., *comb. nov.*

Basionym: *Pterostylis mutica* R. Br., Prodr. Fl. Nov. Holl.: 328. 1810.

Oligochaetochilus pratensis (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis pratensis* Jones, Austral. Orchid Res. **3**: 149. 1998.

Oligochaetochilus rubenachii (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis rubenachii* Jones, Austral. Orchid Res. **3**: 150. 1998.

Oligochaetochilus wapstreorum (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis wapstreorum* Jones, Austral. Orchid Res. **3**: 156. 1998.

Oligochaetochilus ziegeleri (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis ziegeleri* Jones, Austral. Orchid Res. **3**: 158. 1998.

Subgenus ***Apicuchilos*** Szlach., *subgen. nov.*

Labellum apice retusum, basi processo corneo praedito, ciliatum vel papillosum.

TYPE: *Oligochaetochilus vittata* (Lindl.) Szlach. [*Pterostylis vittata* Lindl.]

Lip apex notched, with horn-like appendage at base, ciliate or papillate on surface.

ETYMOLOGY. *Apiculus* (Lat.) – apiculate. In reference to the presence of the apiculus at the lip apex.

Oligochaetochilus concava (Jones & Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis concava* Jones & Clements in Clements, Austral. Orchid Res. **1**: 121. 1989.

Oligochaetochilus longifolia (R. Br.) Szlach., *comb. nov.*

Basionym: *Pterostylis longifolia* R. Br., Prodr. Fl. Nov. Holl.: 327. 1810.

Oligochaetochilus melagramma (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis melagramma* Jones, Austral. Orchid Res. **3**: 145. 1998.

Oligochaetochilus sanguinea (Jones & Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis sanguinea* Jones & Clements in Clements, Austral. Orchid Res. **1**: 126. 1989.

Oligochaetochilus sargentii (Andrews) Szlach., *comb. nov.*

Basionym: *Pterostylis sargentii* Andrews, J. W. Austral. Nat. Hist. Soc. **2**(2): 57. 1905.

Oligochaetochilus stenochilos (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis stenochila* Jones, Austral. Orchid Res. **3**: 153. 1998.

Oligochaetochilus tunstallii (Jones & Clements) Szlach., *comb. nov.*

Basionym: *Pterostylis tunstallii* Jones & Clements, Austral. Orchid Res. **1**: 128. 1989.

Oligochaetochilus vittata (Lindl.) Szlach., *comb. nov.*

Basionym: *Pterostylis vittata* Lindl. in Edward's, Bot. Reg. 1–23: Swan Riv. App.: 53. 1840.

Oligochaetochilus williamsonii (Jones) Szlach., *comb. nov.*

Basionym: *Pterostylis williamsonii* Jones, Austral. Orchid Res. **3**: 157. 1998.

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